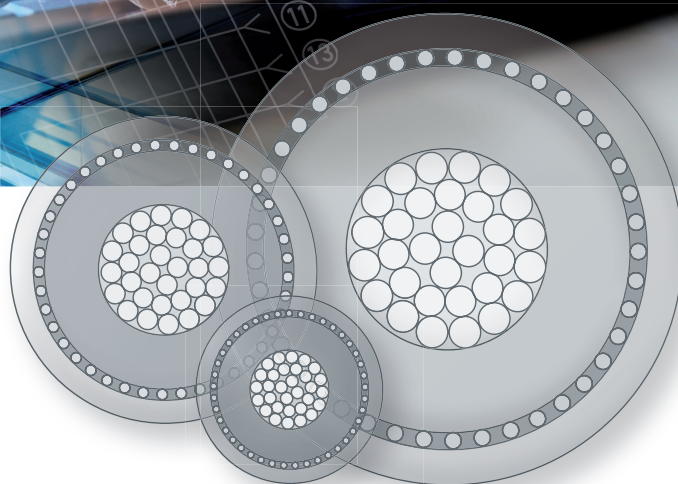




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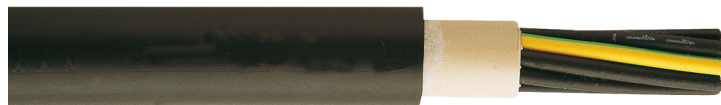
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Power cable NYY-J/- O acc. to VDE 0276-603

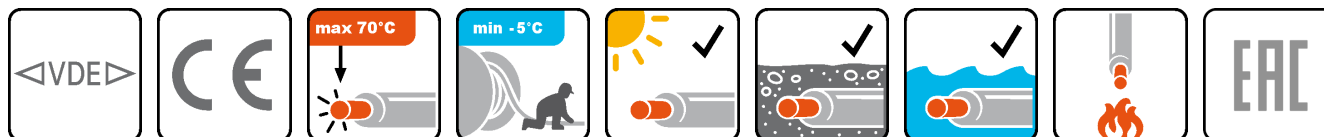


conductor material: bare copper
conductor construction: class 1, from 25 sqmm class 2
insulation: PVC DIV 4
sheathing material: PVC DMV 5
colour of outer sheath: black
meter mark: yes
flame retardant: VDE 0482-332-1-2/IEC 60332-1
UV-resistant: yes
maximum temperature at conductor: 70 °C
max. operating temperature, fixed: 70 °C
temperature, moved/during installation: -5 - +70 °C

	<i>NYY-J</i>	<i>NYY-O</i>
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV	1,2 kV
test voltage:	4 kV	4 kV

Application: For fixed installation in buildings, in free air, in ground and in water.

Switzerland: TT
Denmark: PVILD
Norway: PFXP 0,6/1 kV
Austria: E-YY
Russia: BBΓ



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Core identification

number of cores	with protective conductor	without protective conductor
1	green-yellow	black
2	-	blue, brown
3	green-yellow, blue, brown	brown, black, grey
4	green-yellow, brown, black, grey	blue, brown, black, grau
5	green-yellow, blue, brown, black, grey	blue, brown, black, grey, black

Table: Technical characteristics NYY-J

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
011840	NYY-J 01X4 SW	RE	4,61	1			0,46	0,459	136,5	1,8	9,1	200	38	110
011742	NYY-J 01X6 SW	RE	3,08	1			0,69	0,431	142,5	1,8	9,5	300	58	130
010133	NYY-J 01X10 SW	RE	1,83	1			1,15	0,399	153	1,8	10,2	500	96	180

p/n	part name		R _l [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA/mH/km]	L _b	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
010116	YYY-J 01X16 SW	RE	1,15	1			1,84	0,371	168	1,8	11,2	800	154	240
010117	YYY-J 01X25 SW	RM	0,727	1,2			2,87	0,35	183	1,8	12,2	1250	240	350
010118	YYY-J 01X35 SW	RM	0,524	1,2			4,02	0,333	198	1,8	13,2	1750	336	460
010119	YYY-J 01X50 SW	RMv	0,387	1,4			5,75	0,325	231	1,8	15,4	2500	480	600
010120	YYY-J 01X70 SW	RMv	0,268	1,4			8,05	0,309	246	1,8	16,4	3500	672	800
010121	YYY-J 01X95 SW	RMv	0,193	1,6			10,9	0,302	277,5	1,8	18,5	4750	912	1100
010147	YYY-J 01X120 SW	RMv	0,153	1,6			13,8	0,294	307,5	1,8	20,5	6000	1152	1350
010148	YYY-J 01X150 SW	RMv	0,124	1,8			17,2	0,29	337,5	1,8	22,5	7500	1440	1650
010506	YYY-J 01X185 SW	RMv	0,0991	2			21,3	0,287	369	1,8	24,6	9250	1776	2000
010507	YYY-J 01X240 SW	RMv	0,0754	2,2			27,6	0,281	414	1,8	27,6	12000	2304	2600
011225	YYY-J 01X300 SW	RMv	0,0601	2,4			34,5	0,279	445,5	1,9	29,7	15000	2880	3200
012110	YYY-J 01X400 SW	RMv	0,047	2,6			41,2	0,275	507	2	33,8	20000	3840	4100
010003	YYY-J 03X1,5 SW	RE	12,1	0,8	19	27	0,17	0,343	134,4	1,8	11,2	225	43	190
010012	YYY-J 03X2,5 SW	RE	7,41	0,8	25	36	0,29	0,317	146,4	1,8	12,2	375	72	240
010020	YYY-J 03X4 SW	RE	4,61	1	34	47	0,46	0,316	170,4	1,8	14,2	600	115	330
010023	YYY-J 03X6 SW	RE	3,08	1	43	59	0,69	0,298	182,4	1,8	15,2	900	173	420
010004	YYY-J 03X10 SW	RE	1,83	1	59	79	1,15	0,278	207,6	1,8	17,3	1500	288	580
010009	YYY-J 03X16 SW	RE	1,15	1	79	103	1,84	0,262	231,6	1,8	19,3	2400	461	810
010015	YYY-J 03X25 SW	RM	0,727	1,2	106	133	2,87	0,257	294	1,8	24,5	3750	720	1300
010018	YYY-J 03X35 SW	SM	0,524	1,2	129	159	4,02	0,248	271,2	1,8	22,6	5250	1008	1400
010021	YYY-J 03X50 SW	SMv	0,387	1,4	157	188	5,75	0,247	307,2	1,8	25,6	7500	1440	1800
010024	YYY-J 03X70 SW	SMv	0,268	1,4	199	232	8,05	0,238	356,4	2	29,7	10500	2016	2400
010026	YYY-J 03X95 SW	SMv	0,193	1,6	246	280	10,9	0,238	405,6	2,1	33,8	14250	2736	3300
010005	YYY-J 03X120 SW	SMv	0,153	1,6	285	318	13,8	0,233	429,6	2,2	35,8	18000	3456	4000
010007	YYY-J 03X150 SW	SMv	0,124	1,8	326	359	17,2	0,233	477,6	2,3	39,8	22500	4320	4900
010010	YYY-J 03X185 SW	SMv	0,0991	2	374	406	21,3	0,233	552	2,5	46	27750	5328	6500
010013	YYY-J 03X240 SW	SMv	0,0754	2,2	445	473	27,6	0,231	612	2,7	51	36000	6912	8300
010491	YYY-J 03X16/10 SW	RE	1,15	1	79	103	1,84	0,262	255	1,8	21,2	2900	557	1030
010016	YYY-J 03X25/16 SW	RM	0,727	1,2	106	133	2,87	0,257	294	1,8	24,5	4550	874	1500
010019	YYY-J 03X35/16 SW	SM	0,524	1,2	129	159	4,02	0,248	294	1,8	24,5	6050	1162	1700
010022	YYY-J 03X50/25 SW	SMv	0,387	1,4	157	188	5,75	0,247	344,4	1,9	28,7	8750	1680	2300
010025	YYY-J 03X70/35 SW	SMv	0,268	1,4	199	232	8,05	0,238	380,4	2	31,7	12250	2352	2800
010027	YYY-J 03X95/50 SW	SMv	0,193	1,6	246	280	10,9	0,238	453,6	2,2	37,8	16750	3216	3800
010006	YYY-J 03X120/70 SW	SMv	0,153	1,6	285	318	13,8	0,233	492	2,3	41	21500	4128	4700
010008	YYY-J 03X150/70 SW	SMv	0,124	1,8	326	359	17,2	0,233	540	2,4	45	26000	4992	5600
010011	YYY-J 03X185/95 SW	SMv	0,0991	2	374	406	21,3	0,233	600	2,6	50	30250	6240	7400
010014	YYY-J 03X240/120 SW	SMv	0,0754	2,2	445	473	27,6	0,231	684	2,8	57	42000	8064	9600
010017	YYY-J 03X300/150 SW	SMv	0,0601	2,4	511	535	34,5	0,231	768	2,9	64	52500	10080	11200
010028	YYY-J 04X1,5 SW	RE	12,1	0,8	19	27	0,17	0,366	146,4	1,8	12,2	300	58	220
010034	YYY-J 04X2,5 SW	RE	7,41	0,8	25	36	0,29	0,34	158,4	1,8	13,2	500	96	290
010038	YYY-J 04X4 SW	RE	4,61	1	34	47	0,46	0,339	183,6	1,8	15,3	800	154	400
010040	YYY-J 04X6 SW	RE	3,08	1	43	59	0,69	0,321	195,6	1,8	16,3	1200	230	510
010029	YYY-J 04X10 SW	RE	1,83	1	59	79	1,15	0,301	219,6	1,8	18,3	2000	384	720
010032	YYY-J 04X16 SW	RE	1,15	1	79	103	1,84	0,285	256,8	1,8	21,4	3200	614	1050
011018	YYY-J 04X16/RM SW	RM	1,15	1	79	103	1,84	0,285	257	1,8	21,4	3200	614	1050
010036	YYY-J 04X25 SW	RM	0,727	1,2	106	133	2,87	0,28	306	1,8	25,5	5000	960	1600
010037	YYY-J 04X35 SW	SM	0,524	1,2	129	159	4,02	0,271	332,4	1,8	27,7	7000	1344	1750
010039	YYY-J 04X50 SW	SMv	0,387	1,4	157	188	5,75	0,27	357,6	1,9	29,8	10000	1920	2300
010041	YYY-J 04X70 SW	SMv	0,268	1,4	199	232	8,05	0,262	405,6	2,1	33,8	14000	2688	3100
010042	YYY-J 04X95 SW	SMv	0,193	1,6	246	280	10,9	0,261	466,8	2,2	38,9	19000	3648	4200
010030	YYY-J 04X120 SW	SMv	0,153	1,6	285	318	13,8	0,256	504	2,4	42	24000	4608	5200
010031	YYY-J 04X150 SW	SMv	0,124	1,8	326	359	17,2	0,256	564	2,5	47	30000	5760	6400
010033	YYY-J 04X185 SW	SMv	0,0991	2	374	406	21,3	0,256	624	2,7	52	37000	7104	8050
010035	YYY-J 04X240 SW	SMv	0,0754	2,2	445	473	27,6	0,254	696	2,9	58	48000	9216	11000
013150	YYY-J 04X300 SW	SMv	0,0601	2,4	511	535	34,5	0,254	748	3	62,4	60000	11520	13127
010043	YYY-J 05X1,5 SW	RE	12,1	0,8	19	27	0,17	0,375	158,4	1,8	13,2	375	72	270
010046	YYY-J 05X2,5 SW	RE	7,41	0,8	25	36	0,29	0,349	170,4	1,8	14,2	625	120	350
010049	YYY-J 05X4 SW	RE	4,61	1	34	47	0,46	0,348	195,6	1,8	16,3	1000	192	480
010050	YYY-J 05X6 SW	RE	3,08	1	43	59	0,69	0,33	219,6	1,8	18,3	1500	288	610

p/n	part name		R _l [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA][mH/km]	L _b	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
010044	YYY-J 05X10 SW	RE	1,83	1	59	79	1,15	0,31	244,8	1,8	20,4	2500	480	880
010045	YYY-J 05X16 SW	RE	1,15	1	79	103	1,84	0,294	268,8	1,8	22,4	4000	768	1250
010047	YYY-J 05X25 SW	RM	0,727	1,2	106	133	2,87	0,289	330	1,8	27,5	6250	1200	1950
010048	YYY-J 05X35 SW	RM	0,524	1,2	129	159	4,02	0,285	403,2	1,8	33,6	8750	1680	2400
011028	YYY-J 05X50 SW	RMv	0,387	1,4	157	188	5,75	0,28	480	1,8	40	12500	2400	3500
012086	YYY-J 05X70 SW	RMv	0,268	1,4	199	232	8,05	0,275	508,8	2,1	42,4	17500	3360	4450
012087	YYY-J 05X95 SW	RMv	0,193	1,6	246	280	10,9	0,273	592,8	2,1	50	23750	4560	6134
012088	YYY-J 05X120 SW	RMv	0,153	1,6	285	318	13,8	0,27	615,6	2,4	51,3	30000	5760	7483

The current rating are calculated for 30 °C ambient temperature and standard utility load flow.

Table: Technical characteristics NYY-O

p/n	part name		R _l [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA][mH/km]	L _b	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
011512	YYY-O 01X1,5 SW	RE	12,1	0,8	19	27	0,17		105	1,8	7	75	14,4	63
012625	YYY-O 01X2,5 SW	RE	7,41	0,8	28	39	0,29		119	1,8	7,9	125	24	105
010085	YYY-O 01X4 SW	RE	4,61	1	37	50	0,46	0,459	137	1,8	9,1	200	38	110
010087	YYY-O 01X6 SW	RE	3,08	1	47	62	0,69	0,431	142,5	1,8	9,5	300	58	130
010076	YYY-O 01X10 SW	RE	1,83	1	64	83	1,15	0,399	153	1,8	10,2	500	96	180
010079	YYY-O 01X16 SW	RE	1,15	1	84	107	1,84	0,371	168	1,8	11,2	800	154	240
010082	YYY-O 01X25 SW	RM	0,727	1,2	114	138	2,87	0,35	183	1,8	12,2	1250	240	350
010084	YYY-O 01X35 SW	RM	0,524	1,2	139	164	4,02	0,333	198	1,8	13,2	1750	336	460
010086	YYY-O 01X50 SW	RMv	0,387	1,4	169	195	5,75	0,325	231	1,8	15,4	2500	480	600
010088	YYY-O 01X70 SW	RMv	0,268	1,4	213	238	8,05	0,309	246	1,8	16,4	3500	672	800
010089	YYY-O 01X95 SW	RMv	0,193	1,6	264	280	10,9	0,302	277,5	1,8	18,5	4750	912	1100
010077	YYY-O 01X120 SW	RMv	0,153	1,6	307	325	13,8	0,294	307,5	1,8	20,5	6000	1152	1350
010078	YYY-O 01X150 SW	RMv	0,124	1,8	352	365	11,4	0,29	337,5	1,8	22,5	7500	1440	1650
010080	YYY-O 01X185 SW	RMv	0,0991	2	406	413	21,3	0,287	369	1,8	24,6	9250	1776	2000
010081	YYY-O 01X240 SW	RMv	0,0754	2,2	483	479	27,6	0,281	414	1,8	27,6	12000	2304	2600
010083	YYY-O 01X300 SW	RMv	0,0601	2,4	557	541	34,5	0,279	445,5	1,9	29,7	15000	2880	3200
010115	YYY-O 01X400 SW	RMv	0,047	2,6	646	614	41,2	0,275	507	2	33,8	20000	3840	4100
010141	YYY-O 01X500 SW	RMv	0,0366	2,8	747	693	51,5	0,272	570	2,1	38	25000	4800	5200
010283	YYY-O 01X630 SW	RMv	0,0283	2,8	858	777	64	0,271	637,5	2,2	42,5	31500	6048	6650
010090	YYY-O 02X1,5 SW	RE	12,1	0,8	19	27	0,17		132	1,8	11	150	29	170
010093	YYY-O 02X2,5 SW	RE	7,41	0,8	25	36	0,29		144	1,8	12	250	48	210
010095	YYY-O 02X4 SW	RE	4,61	1	34	47	0,46		168	1,8	14	400	77	290
010096	YYY-O 02X6 SW	RE	3,08	1	43	59	0,69		182,4	1,8	15,2	600	115	360
010091	YYY-O 02X10 SW	RE	1,83	1	59	79	1,15		199,2	1,8	16,6	1000	192	490
010092	YYY-O 02X16 SW	RE	1,15	1	79	103	1,84		228	1,8	19	1600	307	660
010140	YYY-O 02X25 SW	RM	0,727	1,2	106	133	2,87		276	1,8	23	2500	480	940
011554	YYY-O 03X1,5 SW	RE	12,1	0,8	19	27	0,17	0,343	134,4	1,8	11,2	225	43	190
011033	YYY-O 03X2,5 SW	RE	7,41	0,8	25	36	0,29	0,317	146,4	1,8	12,2	375	72	240
010480	YYY-O 03X4 SW	RE	4,61	1	34	47	0,46	0,316	170,4	1,8	14,2	600	115	330
010508	YYY-O 03X6 SW	RE	3,08	1	43	59	0,69	0,298	182,4	1,8	15,2	900	173	420
010483	YYY-O 03X10 SW	RE	1,83	1	59	79	1,15	0,278	207,6	1,8	17,3	1500	288	580
010484	YYY-O 03X25 SW	RM	0,727	1,2	106	133	2,87	0,257	294	1,8	24,5	3750	720	1300
011032	YYY-O 03X35 SW	SM	0,524	1,2	129	159	4,02	0,248	271,2	1,8	22,6	5250	1008	1350
010150	YYY-O 03X50 SW	SMv	0,387	1,4	157	188	5,75	0,247	307,2	1,8	25,6	7500	1440	1800
010149	YYY-O 03X95 SW	SMv	0,193	1,6	246	280	10,9	0,238	405,6	2,1	33,8	14250	2736	3300
010510	YYY-O 03X150 SW	SMv	0,124	1,8	326	359	17,2	0,233	477,6	2,3	39,8	22500	4320	4900
011552	YYY-O 03X185 SW	SMv	0,0991	2	374	406	21,3	0,233	552	2,5	46	27750	5328	6500
011553	YYY-O 04X1,5 SW	RE	12,1	0,8	19	27	0,17	0,366	146,4	1,8	12,2	300	58	220
011849	YYY-O 04X2,5 SW	RE	7,41	0,8	25	36	0,29	0,34	158,4	1,8	13,2	500	96	290
010509	YYY-O 04X4 SW	RE	4,61	1	34	47	0,46	0,339	183,6	1,8	15,3	800	154	400
010109	YYY-O 04X6 SW	RE	3,08	1	43	59	0,69	0,321	195,6	1,8	16,3	1200	230	510
010102	YYY-O 04X10 SW	RE	1,83	1	59	79	1,15	0,301	219,6	1,8	18,3	2000	384	720
010105	YYY-O 04X16 SW	RE	1,15	1	79	103	1,84	0,285	256,8	1,8	21,4	3200	614	1050
010106	YYY-O 04X25 SW	RM	0,727	1,2	106	133	2,87	0,28	306	1,8	25,5	5000	960	1600
010107	YYY-O 04X35 SW	SM	0,524	1,2	129	159	4,02	0,271	332,4	1,8	27,7	7000	1344	1750
010108	YYY-O 04X50 SW	SMv	0,387	1,4	157	188	5,75	0,27	357,6	1,9	29,8	10000	1920	2300

p/n	part name		R_l [Ω/km]	W_i [mm]	I_{bl} [A]	I_{be} [A]	I_k [kA]	L_b [mH/km]	R_{bv} [mm]	W_m [mm]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg]
010110	NY-Y-O 04X70 SW	SMv	0,268	1,4	199	232	8,05	0,262	405,6	2,1	33,8	14000	2688	3100
010111	NY-Y-O 04X95 SW	SMv	0,193	1,6	246	280	10,9	0,261	466,8	2,2	38,9	19000	3648	4200
010103	NY-Y-O 04X120 SW	SMv	0,153	1,6	285	318	13,8	0,256	504	2,4	42	24000	4608	5200
010104	NY-Y-O 04X150 SW	SMv	0,124	1,8	326	359	17,2	0,256	564	2,5	47	30000	5760	6400
011010	NY-Y-O 04X185 SW	SMv	0,0991	2	374	406	21,3	0,256	624	2,7	52	37000	7104	8050
011531	NY-Y-O 04X240 SW	SMv	0,0754	2,2	445	473	27,6	0,254	696	2,9	58	48000	9216	11000

The current rating are calculated for 30 °C ambient temperature and standard utility load flow.

R_l	conductor resistance
W_i	thickness of insulation
I_{bl}	ampacity (in air)
I_{be}	ampacity (in ground)
I_k	short circuit current (1 s)
L_b	specific inductivity
R_{bv}	bending radius, fixed installation
W_m	thickness of outer sheath
D_A	outer diameter
F_{zv}	tensile strength (during installation)
Cu	copper
G	weight

Power cable NYY-JZ/- OZ acc. to VDE 0276-627



conductor material: bare copper
conductor construction: solid, class 1
insulation: PVC DIV 4
sheathing material: PVC DMV 5
colour of outer sheath: black
meter mark: yes
flame retardant: VDE 0482-332-1-2/IEC 60332-1
UV-resistant: yes
maximum temperature at conductor: 70 °C
max. operating temperature, fixed: 70 °C
temperature, moved/during installation: -5 - +70 °C

nominal voltage U_0 : 600 V 600 V
nominal voltage U : 1 kV 1 kV
maximum permitted operating voltage in 3-phase systems: 1,2 kV 1,2 kV
test voltage: 4 kV 4 kV

Application: For fixed installation in buildings, in free air, in ground and in water.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics NYY-JZ

p/n	part name		R_l [Ω/km]	I_{bl} [A]	I_{be} [A]	I_k [kA]	R_{bv} [mm]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg]
010052	NYJ-JZ 07X1,5 SW	RE	12,1	19	27	0,17	192	16	525	101	300
012003	NYJ-JZ 08X1,5 SW	RE	12,1	19	27	0,17	170,4	14,2	600	115	334
010055	NYJ-JZ 10X1,5 SW	RE	12,1	19	27	0,17	228	19	750	144	360
010057	NYJ-JZ 12X1,5 SW	RE	12,1	19	27	0,17	228	19	900	173	400
010059	NYJ-JZ 14X1,5 SW	RE	12,1	19	27	0,17	240	20	1050	202	450
010061	NYJ-JZ 16X1,5 SW	RE	12,1	19	27	0,17	252	21	1200	230	500
010063	NYJ-JZ 19X1,5 SW	RE	12,1	19	27	0,17	264	22	1425	274	560
010065	NYJ-JZ 21X1,5 SW	RE	12,1	19	27	0,17	276	23	1575	302	620
010067	NYJ-JZ 24X1,5 SW	RE	12,1	19	27	0,17	300	25	1800	346	700
010069	NYJ-JZ 30X1,5 SW	RE	12,1	19	27	0,17	312	26	2250	432	810
011511	NYJ-JZ 31X1,5 SW	RE	12,1	19	27	0,17	324	27	2325	446	834
010071	NYJ-JZ 40X1,5 SW	RE	12,1	19	27	0,17	348	29	3000	576	1050
010073	NYJ-JZ 52X1,5 SW	RE	12,1	19	27	0,17	384	32	3900	749	1400
010075	NYJ-JZ 61X1,5 SW	RE	12,1	19	27	0,17	408	34	4575	878	1650
010053	NYJ-JZ 07X2,5 SW	RE	7,41	25	36	0,29	204	17	875	168	420

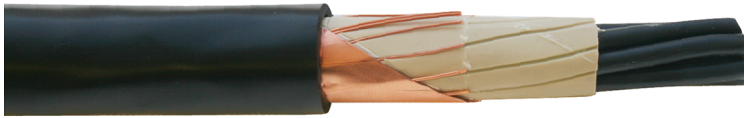
p/n	part name		R_l [Ω/km]	I_{bl} [A]	I_{be} [A]	I_k [kA]	R_{bv} [mm]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg]
010056	YYY-JZ 10X2,5 SW	RE	7,41	25	36	0,29	240	20	1250	240	500
010058	YYY-JZ 12X2,5 SW	RE	7,41	25	36	0,29	252	21	1500	288	560
010060	YYY-JZ 14X2,5 SW	RE	7,41	25	36	0,29	252	21	1750	336	630
010062	YYY-JZ 16X2,5 SW	RE	7,41	25	36	0,29	264	22	2000	384	710
010064	YYY-JZ 19X2,5 SW	RE	7,41	25	36	0,29	276	23	2375	456	830
010066	YYY-JZ 21X2,5 SW	RE	7,41	25	36	0,29	300	25	2625	504	910
010068	YYY-JZ 24X2,5 SW	RE	7,41	25	36	0,29	324	27	3000	576	1050
010070	YYY-JZ 30X2,5 SW	RE	7,41	25	36	0,29	336	28	3750	720	1250
010072	YYY-JZ 40X2,5 SW	RE	7,41	25	36	0,29	372	31	5000	960	1650
010074	YYY-JZ 52X2,5 SW	RE	7,41	25	36	0,29	420	35	6500	1248	2150
010054	YYY-JZ 07X4 SW	RE	4,61	34	47	0,46	228	19	1400	269	630
011216	YYY-JZ 10X4 SW	RE	4,61	34	47	0,46	276	23	2000	384	930
011530	YYY-JZ 14X4 SW	RE	4,61	34	47	0,46	300	25	2800	538	1000
013028	YYY-JZ 18X4 SW	RE	3,08	34	47	0,46		25,7		691,2	1181
011759	YYY-JZ 19X4 SW	RE	4,61	34	47	0,46	336	28	3800	730	1354
010918	YYY-JZ 07X6 SW	RE	3,08	43	59	0,69	252	21	2100	403	840
012197	YYY-JZ 14X6 SW	RE	3,08	43	59	0,69	311	25,9	4200	806	1354
010930	YYY-JZ 07X10 SW	RE	1,83	59	79	1,15	276	23	3500	672	1150
012060	YYY-JZ 07X25 SW	RM	0,727	106	133	2,87	370,8	30,9	8750	1680	2403
012061	YYY-JZ 07X35 SW	RM	0,524	129	159	4,02	416,4	34,7	12250	2352	3191
012062	YYY-JZ 07X50 SW	RM	0,387	157	188	5,75	482,4	40,2	17500	3360	4287

Table: Technical characteristics

p/n	part name		R_l [Ω/km]	I_{bl} [A]	I_{be} [A]	I_k [kA]	L_b [mH/km]	R_{bv} [mm]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg]
011861	YYY-OZ 05X1,5 SW	RE	12,1	19	27	0,17	0,375	158,4	13,2	375	72	270
010490	YYY-OZ 07X1,5 SW	RE	12,1	19	27	0,17		192	16	525	101	300
012089	YYY-OZ 08X1,5 SW	RE	12,1	19	27	0,17		170	14,2	600	115	334
012090	YYY-OZ 10X1,5 SW	RE	12,1	19	27	0,17		228	19	750	144	360
011034	YYY-OZ 12X1,5 SW	RE	12,1	19	27	0,17		228	19	900	173	400
012091	YYY-OZ 14X1,5 SW	RE	12,1	19	27	0,17		240	20	1050	202	450
011862	YYY-OZ 16X1,5 SW	RE	12,1	19	27	0,17		252	21	1200	230	500
012092	YYY-OZ 19X1,5 SW	RE	12,1	19	27	0,17		264	22	1425	274	560
012093	YYY-OZ 21X1,5 SW	RE	12,1	19	27	0,17		276	23	1575	302	620
011863	YYY-OZ 24X1,5 SW	RE	12,1	19	27	0,17		300	25	1800	346	700
011035	YYY-OZ 30X1,5 SW	RE	12,1	19	27	0,17		312	26	2250	432	810
012094	YYY-OZ 40X1,5 SW	RE	12,1	19	27	0,17		348	29	3000	576	1050
012095	YYY-OZ 05X2,5 SW	RE	7,41	25	36	0,29	0,349	170,4	14,2	625	120	350
011687	YYY-OZ 07X2,5 SW	RE	7,41	25	36	0,29		204	17	875	168	420
012096	YYY-OZ 08X2,5 SW	RE	7,41	25	36	0,29		209	17,4	1000	192	480
011778	YYY-OZ 10X2,5 SW	RE	7,41	25	36	0,29		240	20	1250	240	500
012097	YYY-OZ 12X2,5 SW	RE	7,41	25	36	0,29		252	21	1500	288	560
011779	YYY-OZ 14X2,5 SW	RE	7,41	25	36	0,29		252	21	1750	336	630
012098	YYY-OZ 16X2,5 SW	RE	7,41	25	36	0,29		264	22	2000	384	710
012099	YYY-OZ 19X2,5 SW	RE	7,41	25	36	0,29		276	23	2375	456	830
012100	YYY-OZ 21X2,5 SW	RE	7,41	25	36	0,29		300	25	2625	504	910
011780	YYY-OZ 24X2,5 SW	RE	7,41	25	36	0,29		324	27	3000	576	1050
012101	YYY-OZ 30X2,5 SW	RE	7,41	25	36	0,29		336	28	3750	720	1250
012102	YYY-OZ 40X2,5 SW	RE	7,41	25	36	0,29		372	31	5000	960	1650
011688	YYY-OZ 07X4 SW	RE	4,61	34	47	0,46		228	19	1400	269	630
012103	YYY-OZ 10X4 SW	RE	4,61	34	47	0,46		281	23,4	2000	384	930
011548	YYY-OZ 12X4 SW	RE	4,61	34	47	0,46		290	24,1	2400	461	1100
012104	YYY-OZ 14X4 SW	RE	4,61	34	47	0,46		300	25	2800	538	1000
012105	YYY-OZ 19X4 SW	RE	4,61	34	47	0,46		333	27,7	3800	730	1354

RI	conductor resistance
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Lb	specific inductivity
Rbv	bending radius, fixed installation
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Power cable NYCY acc. to VDE 0276-603



conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	PVC DIV 4
concentric conductor:	Cu
sheathing material:	PVC DMV 5
colour of outer sheath:	black
meter mark:	yes
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
UV-resistant:	yes
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colored acc. to HD 308; more than 5 cores: numbers
Application: For fixed installation in buildings, in free air, in ground and in water.	
Norway:	PFSP 0,6/1 kV
Austria:	E-YCY
Sweden:	EKKJ



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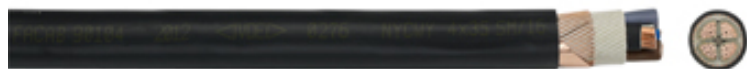
Table: Technical characteristics NYCY

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
080030	NYCY 02X1,5/1,5 SW	RE	12,1	0,8	19	27	0,17		156	1,8	13	150	52	200
080031	NYCY 02X2,5/2,5 SW	RE	7,41	0,8	26	36	0,29		163	1,8	13,6	250	80	260
080032	NYCY 02X4/4 SW	RE	4,61	1	34	47	0,46		185	1,8	15,4	400	123	350
080033	NYCY 02X6/6 SW	RE	3,08	1	44	59	0,69		203	1,8	16,9	600	182	430
080077	NYCY 02X10/10 SW	RE	1,83	1	60	79	1,15		222	1,8	18,5	1000	312	520
080078	NYCY 02X16/16 SW	RE	1,15	1	80	102	1,84		246	1,8	20,5	1600	489	720
080035	NYCY 03X1,5/1,5 SW	RE	12,1	0,8	19	27	0,17	0,343	158	1,8	13,2	225	66	220
080037	NYCY 03X2,5/2,5 SW	RE	7,41	0,8	26	36	0,29	0,317	170	1,8	14,2	375	104	280
080147	NYCY 03X2,5/10 SW	RE	7,41	0,8	26	36	0,29	0,317	173	1,8	14,4	375	192	359
080206	NYCY 03X2,5/16 SW	RE	7,41	0,8	26	36				1,8			240	350

p/n	part name		R_l [Ω/km]	W_i [mm]	I_{bl} [A]	I_{be} [A]	I_k [kA]	L_b [mH/km]	R_{bv} [mm]	W_m [mm]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg]
080038	NYCY 03X4/4 SW	RE	4,61	1	34	47	0,46	0,316	196	1,8	16,3	600	161	390
080039	NYCY 03X6/6 SW	RE	3,08	1	44	59	0,69	0,298	207,6	1,8	17,3	900	240	500
080079	NYCY 03X10/10 SW	RE	1,83	1	60	79	1,15	0,278	240	1,8	20	1500	408	680
080080	NYCY 03X16/16 SW	RE	1,15	1	80	102	1,84	0,262	276	1,8	23	2400	643	1010
080040	NYCY 04X1,5/1,5 SW	RE	12,1	0,8	19	27	0,17	0,366	171	1,8	14,2	300	81	250
080041	NYCY 04X2,5/2,5 SW	RE	7,41	0,8	26	36	0,29	0,34	184	1,8	15,3	500	128	340
080042	NYCY 04X4/4 SW	RE	4,61	1	34	47	0,46	0,339	208	1,8	17,3	800	200	460
080043	NYCY 04X6/6 SW	RE	3,08	1	44	59	0,69	0,321	221	1,8	18,4	1200	297	580
080081	NYCY 04X10/10 SW	RE	1,83	1	60	79	1,15	0,301	252	1,8	21	2000	504	765
080082	NYCY 04X16/16 SW	RE	1,15	1	80	102	1,84	0,285	276	1,8	23	3200	796	1060
080044	NYCY 05X1,5/1,5 SW	RE	12,1	0,8	19	27	0,17	0,375	180	1,8	15	375	95	330
080076	NYCY 05X2,5/2,5 SW	RE	7,41	0,8	26	36	0,29	0,349	192	1,8	16	625	152	400
080083	NYCY 05X4/4 SW	RE	4,61	1	34	47	0,46	0,348	228	1,8	19	1000	238	550
080084	NYCY 05X6/6 SW	RE	3,08	1	44	59	0,69	0,33	252	1,8	21	1500	355	700
080045	NYCY 07X1,5/2,5 SW	RE	12,1	0,8	19	27	0,17		184	1,8	15,3	525	133	350
080046	NYCY 07X2,5/2,5 SW	RE	7,41	0,8	25	36	0,29		209	1,8	17,4	875	200	450
080047	NYCY 07X4/4 SW	RE	4,61	1	34	47	0,46		240	1,8	20	1400	315	600
080085	NYCY 07X6/6 SW	RE	3,08	1	43	59	0,69		270	1,8	22,5	2100	470	790
080048	NYCY 10X1,5/2,5 SW	RE	12,1	0,8	19	27	0,17		221	1,8	18,4	750	176	410
080049	NYCY 10X2,5/4 SW	RE	7,41	1	25	36	0,29		245	1,8	20,4	1250	286	600
080086	NYCY 10X4/6 SW	RE	4,61	0,8	34	47	0,46		282	1,8	23,5	2000	451	900
080050	NYCY 12X1,5/2,5 SW	RE	12,1	0,8	19	27	0,17		233	1,8	19,4	900	205	470
080051	NYCY 12X2,5/4 SW	RE	7,41	0,8	25	36	0,29		246	1,8	20,5	1500	334	660
080069	NYCY 12X4/6 SW	RE	4,61	1	34	47	0,46		294	1,8	24,5	2400	528	1060
080052	NYCY 14X1,5/2,5 SW	RE	12,1	0,8	19	27	0,17		245	1,8	20,4	1050	234	520
080053	NYCY 14X2,5/6 SW	RE	7,41	0,8	25	36	0,29		258	1,8	21,5	1750	403	750
080073	NYCY 16X1,5/4 SW	RE	12,1	0,8	19	27	0,17		240	1,8	20	1200	276	620
080054	NYCY 16X2,5/6 SW	RE	7,41	0,8	25	36	0,29		270	1,8	22,5	2000	451	800
080055	NYCY 19X1,5/4 SW	RE	12,1	0,8	19	27	0,17		270	1,8	22,5	1425	320	660
080056	NYCY 19X2,5/6 SW	RE	7,41	0,8	25	36	0,29		282	1,8	23,5	2375	523	940
080057	NYCY 21X1,5/6 SW	RE	12,1	0,8	19	27	0,17		276	1,8	23	1575	369	790
080058	NYCY 24X1,5/6 SW	RE	12,1	0,8	19	27	0,17		306	1,8	25,5	1800	413	850
080059	NYCY 24X2,5/10 SW	RE	7,41	0,8	25	36	0,29		331	1,8	27,6	3000	696	1150
080223	NYCY 24X4/10 SW	RE	4,61	1	34	47	0,46		388	1,8	32,3	1152	1042	1813
080068	NYCY 30X1,5/6 SW	RE	12,1	0,8	19	27	0,17		318		26,5	2250	499	1020
080087	NYCY 30X2,5/10 SW	RE	7,41	0,8	25	36	0,29		354	1,8	29,5	3750	840	1600
080074	NYCY 40X1,5/10 SW	RE	12,1	0,8	19	27	0,17		360	1,8	30	3000	696	1280
080075	NYCY 40X2,5/10 SW	RE	7,41	0,8	25	36	0,29		396	1,8	33	5000	1080	1660
080072	NYCY 52X1,5/10 SW	RE	12,1	0,8	19	27	0,17		384	1,8	32	3900	869	1600
080088	NYCY 52X2,5/10 SW	RE	7,41	0,8	25	36	0,29		420	1,8	35	6500	1368	2000
080089	NYCY 61X1,5/10 SW	RE	12,1	0,8	19	27	0,17		396	1,8	33	4575	998	2000
080090	NYCY 61X2,5/10 SW	RE	7,41	0,8	25	36	0,29		432	1,8	36	7625	1584	2280

R_l	conductor resistance
W_i	thickness of insulation
I_{bl}	ampacity (in air)
I_{be}	ampacity (in ground)
I_k	short circuit current (1 s)
L_b	specific inductivity
R_{bv}	bending radius, fixed installation
W_m	thickness of outer sheath
D_A	outer diameter
F_{zv}	tensile strength (during installation)
Cu	copper
G	weight

Power cable NYCWY acc. to VDE 0276-603



conductor material: bare copper
conductor construction: class 1, from 25 sqmm class 2
insulation: PVC DIV 4
concentric conductor: Cu
sheathing material: PVC DMV 5
colour of outer sheath: black
meter mark: yes
flame retardant: VDE 0482-332-1-2/IEC 60332-1
UV-resistant: yes
maximum temperature at conductor: 70 °C
max. operating temperature, fixed: 70 °C
temperature, moved/during installation: -5 - +70 °C

nominal voltage U₀: 600 V
nominal voltage U: 1 kV
maximum permitted operating voltage in 3-phase systems: 4 kV
test voltage: 3 kV
core identification: colours acc. VDE 0293 (HD308)

Application: For fixed installation in buildings, in free air, in ground and in water.

Finland: MCMK
Norway: PFSP 0,6/1 kV
Austria: E-YCWY
Sweden: FKKJ



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core identification

number of cores	colours
1	black
2	blue, brown
3	brown, black, grey
4	blue, brown, black, grey
5	blue, brown, black, grey, black

Table: Technical characteristics NYCWY

p/n	part name		R _I [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
080234	NYCWY 01X95 RM/50 SW	RM	0,193	1,6	270	281	10,9		360	2,2	24	4750	1472	1761
080235	NYCWY 01X240 RM/120 SW	RM	0,0754	2,2	462	432	27,6		489	2,8	32,6	12000	3634	4067
080001	NYCWY 02X10/10 SW	RE	1,83	1	60	79	1,15		232,8	1,8	19,4	1000	312	610

p/n	part name		R _l [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
080002	NYCWY 02X16/16 SW	RE	1,15	1	80	102	1,84		244,8	1,8	20,4	1600	489	840
080263	NYCWY 02X25/16 SW	RM									24,4		662	1299
080233	NYCWY 02X25 RM/25 SW		0,727	1,2	106	133	2,87		302	1,8	25,1	2500	763	1340
080236	NYCWY 02X50 RM/25 SW	RM	0,387	1,4	160	190	8,05		364	1,9	30,3	5000	1243	2045
080003	NYCWY 03X10/10 SW	RE	1,83	1	60	79	1,15	0,278	232,8	1,8	19,4	1500	408	750
080008	NYCWY 03X16/16 SW	RE	1,15	1	80	102	1,84	0,262	256,8	1,8	21,4	2400	643	1050
080010	NYCWY 03X25/16 SW	RM	0,727	1,2	106	133	2,87	0,257	306	1,8	25,5	3750	902	1600
080012	NYCWY 03X35/16 SW	SM	0,524	1,2	129	160	4,02	0,248	331,2	1,8	27,6	5250	1190	1700
080014	NYCWY 03X50/25 SW	SMv	0,387	1,4	157	190	5,75	0,247	344,4	1,9	28,7	7500	1723	2300
080016	NYCWY 03X70/35 SW	SMv	0,268	1,4	199	234	8,05	0,238	393,6	2	32,8	10500	2410	2900
080018	NYCWY 03X95/50 SW	SMv	0,193	1,6	249	280	10,9	0,238	453,6	2,2	37,8	14250	3296	4000
080005	NYCWY 03X120/70 SW	SMv	0,153	1,6	289	319	13,8	0,233	489,6	2,3	40,8	18000	4236	5000
080007	NYCWY 03X150/70 SW	SMv	0,124	1,8	329	357	17,2	0,233	540	2,4	45	22500	5100	6000
080009	NYCWY 03X185/95 SW	SMv	0,0991	2	377	402	21,3	0,233	600	2,6	50	27750	6383	7500
080061	NYCWY 03X240/120 SW	SMv	0,0754	2,2	443	463	27,6	0,231	684	2,8	57	36000	8242	10000
080011	NYCWY 03X25/25 SW	RM	0,727	1,2	106	133	2,87	0,257	306	1,8	25,5	3750	1003	1600
080013	NYCWY 03X35/35 SW	SM	0,524	1,2	129	160	4,02	0,248	308,4	1,8	25,7	7500	1402	1850
080015	NYCWY 03X50/50 SW	SMv	0,387	1,4	157	190	5,75	0,247	344,4	1,9	28,7	7500	2000	2400
080017	NYCWY 03X70/70 SW	SMv	0,268	1,4	199	234	8,05	0,238	405,6	1,9	33,8	10500	2796	3300
080019	NYCWY 03X95/95 SW	SMv	0,193	1,6	249	280	10,9	0,238	453,6	2	37,8	14250	3791	4500
080004	NYCWY 03X120/120 SW	SMv	0,153	1,6	289	319	13,8	0,233	501,6	2,3	41,8	18000	4786	5500
080006	NYCWY 03X150/150 SW	SMv	0,124	1,8	329	357	17,2	0,233	552	2,4	46	22500	5970	6750
080259	NYCWY 03X300/150 SW	SMv	0,0601	2,4	511	535	34,5				60,5	60000	10290	11615
080020	NYCWY 04X10/10 SW	RE	1,83	1	60	79	1,15	0,301	244,8	1,8	20,4	2000	504	870
080023	NYCWY 04X16/16 SW	RE	1,15	1	80	102	1,84	0,285	280,8	1,8	23,4	3200	796	1250
080099	NYCWY 04X16 RM/16 SW	RM	1,15	1	80	102	1,84	0,285	280,8	1,8	23,4	3200	796	1250
080025	NYCWY 04X25/16 SW	RM	0,727	1,2	106	133	2,87	0,28	331,2	1,8	27,6	5000	1142	1800
080026	NYCWY 04X35/16 SW	SM	0,524	1,2	129	160	4,02	0,271	343,2	1,8	28,6	7000	1526	2050
080027	NYCWY 04X50/25 SW	SMv	0,387	1,4	157	190	5,75	0,27	393,6	1,9	32,8	10000	2203	2700
080028	NYCWY 04X70/35 SW	SMv	0,268	1,4	199	234	8,05	0,262	441,6	1,9	36,8	14000	3082	3750
080029	NYCWY 04X95/50 SW	SMv	0,193	1,6	249	280	10,9	0,261	526,8	2,2	43,9	19000	4208	5000
080021	NYCWY 04X120/70 SW	SMv	0,153	1,6	289	319	13,8	0,256	564	2,3	47	24000	5388	6300
080022	NYCWY 04X150/70 SW	SMv	0,124	1,8	329	357	17,2	0,256	612	2,6	51	30000	6540	7600
080024	NYCWY 04X185/95 SW	SMv	0,0991	2	377	402	21,3	0,256	672	2,6	56	37000	8159	9300
080062	NYCWY 04X240/120 SW	SMv	0,0754	2,2	443	463	27,6	0,254	756	2,8	63	48000	10546	11600
080254	NYCWY 04X300/150 SW	SMv	0,0601	2,4	511	535	34,5		840	2,9	69,6	60000	13170	15331

R _l	conductor resistance
W _i	thickness of insulation
I _{bl}	ampacity (in air)
I _{be}	ampacity (in ground)
I _k	short circuit current (1 s)
L _b	specific inductivity
R _{bv}	bending radius, fixed installation
W _m	thickness of outer sheath
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Power cable NAYY-J/ O acc. to VDE 0276-603



conductor material: aluminium
insulation: PVC DIV 4
sheathing material: PVC DMV 5
colour of outer sheath: black
meter mark: yes
flame retardant: VDE 0482-332-1-2/IEC 60332-1
UV-resistant: yes
maximum temperature at conductor: 70 °C
max. operating temperature, fixed: 70 °C
temperature, moved/during installation: -5 - +70 °C

	NAYY-J	NAYY-O
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV	1,2 kV
test voltage:	4 kV	4 kV
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)

Application: For fixed installation in buildings, in free air, in ground and in water.

Austria: E-AYY



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Table: Technical characteristics NAYY-J

p/n	part name		R _l [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	AI [kg/km]	G [kg]
090215	NAYY-J 01X16 SW	RE	1,91	1					158	1,8	10,5	480	46,4	145
090216	NAYY-J 01X25 SW	RE	1,2	1,2	87	106	1,9		180	1,8	12	750	72,5	195
090217	NAYY-J 01X35 SW	RE	0,869	1,2	107	127	2,66	0,333	203	1,8	13,5	1050	101,5	255
090218	NAYY-J 01X50 SW	RMv	0,641	1,4	131	151	3,8	0,325	231	1,8	15,4	1500	145	298
090219	NAYY-J 01X70 SW	RMv	0,443	1,4	166	185	5,32	0,309	255	1,8	17	2100	203	383
090220	NAYY-J 01X95 SW	RMv	0,32	1,6	205	222	7,22	0,302	285	1,8	19	2850	275	490
090221	NAYY-J 01X120 SW	RMv	0,253	1,6	239	253	9,12	0,294	300	1,8	20	3600	348	575
090222	NAYY-J 01X150 SW	RMv	0,206	1,8	246	275	11,4	0,29	330	1,8	22	4500	435	695
090223	NAYY-J 01X185 SW	RMv	0,164	2	317	322	14,1	0,287	375	1,8	25	5550	536	845
090205	NAYY-J 01X240 SW	RMv	0,125	2,2	378	375	18,2	0,281	420	1,8	28	7200	696	1100
090224	NAYY-J 01X300 SW	RMv	0,1	2,4	437	425	22,8	0,279	450	1,9	30	9000	870	1379
090225	NAYY-J 01X400 SW	RMv	0,0778	2,6	513	487	27,2	0,275	510	2	34	12000	1160	1615
090226	NAYY-J 01X500 SW	RMv	0,0605	2,8	600	558	34	0,272	555	2,1	37	7500	1450	2015

p/n	part name		R _l [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA/mH/km]	L _b	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Al	G [kg]
090227	NAYY-J 01X630 SW	RMv	0,0469		701	635	42,8	0,271	645		43	18900	1827	2472
090228	NAYY-J 01X800 SW	RMv	0,0367		1080	1166			675		45	24000	2320	3120
090111	NAYY-J 04X6 SW	RE		1	25	35	0,56		204	1,8	17	720	70	377
090278	NAYY-J 04X10	RE		1					285	1,8	19		116	470
090197	NAYY-J 04X16 SW	RE	1,9	1,2	50	63	1,21	0,285	288	1,8	24	1920	186	750
090193	NAYY-J 04X25 SW	RE	1,2	1,2	82	102	1,9	0,28	300	1,8	25	3000	290	950
090093	NAYY-J 04X25 SW	RM	1,2	1,2	82	102	1,9	0,28	300	1,8	25	3000	290	950
090194	NAYY-J 04X35 SW	RE	0,869	1,2	100	123	2,66	0,271	354	1,8	28,1	4200	406	1120
090001	NAYY-J 04X50 SW	SE	0,641	1,4	119	144	3,8	0,27	354	1,9	29,5	6000	580	1151
090002	NAYY-J 04X70 SW	SE	0,443	1,4	152	179	5,32	0,262	420	2,1	35	8400	812	1549
090008	NAYY-J 04X95 SW	SE	0,32	1,6	186	215	7,22	0,261	468	2,2	39	11400	1102	2030
090003	NAYY-J 04X120 SW	SE	0,253	1,6	216	245	9,12	0,256	516	2,4	43	14400	1392	2400
090004	NAYY-J 04X150 SW	SE	0,206	1,8	246	275	11,4	0,256	552	2,5	46	18000	1740	3030
090005	NAYY-J 04X185 SW	SE	0,164	2	285	313	14,1	0,256	612	2,7	51	22200	2146	3650
090009	NAYY-J 04X240 SW	SE	0,125	2,2	338	364	18,2	0,254	672	2,9	56	28800	2784	4800
090280	NAYY-J 04X300 SE SW	SE	21,6	2,4	400	419	22,8	0,279	983	3	65,5	36000	3480	5685
090187	NAYY-J 05X10 SW	RE	3,08	1	34	47	0,94	0,31	232	1,8	19,3	1500	145	585
090183	NAYY-J 05X16 SW	RE	1,9	1	50	63	1,21	0,294	262	1,8	21,8	2400	232	938
090188	NAYY-J 05X25 SW	RE	1,2	1,2	82	102	1,9	0,289	325	1,8	27,1	3750	362,5	1188
090189	NAYY-J 05X35 SW	RE	0,869	1,2	100	123	2,66	0,285	362	1,8	30,2	5250	507,5	1375
090181	NAYY-J 05X50 SW	RMv	0,641	1,4	119	144	3,8	0,27	432	1,8	36,2	7500	725	1720
090184	NAYY-J 05X70 SW	RMv	0,443	1,4	152	179	5,32	0,262	492	2,1	44	10500	1015	2240
090185	NAYY-J 05X95 SW	RMv	0,32	1,6	186	215	7,22	0,261	564	2,1	47	14250	1378	3060
090186	NAYY-J 05X120 SW	RMv	0,253	1,6	216	245	9,12	0,256	612	2,4	53	18000	1740	3580
090191	NAYY-J 05X150 SW	RMv	0,206	1,8	246	275	11,4	0,256	672	2,5	56	22500	2175	4400
090182	NAYY-J 05X185 SW	RMv	0,164	2	285	313	14,1	0,256	804	2,7	59	27750	2683	5481
090192	NAYY-J 05X240 SW	RMv	0,125	2,2	338	364	18,2	0,254	852	2,9	71	36000	3480	7000
090116	NAYY-J 04X50 SW	SMv	0,641	1,4	119	144	3,8	0,27	354	1,9	29,5	6000	580	1151
090117	NAYY-J 04X70 SW	SMv	0,443	1,4	152	179	5,32	0,262	420	2,1	33,4	8400	812	1549
090018	NAYY-J 04X95 SW	SMv	0,32	1,6	186	215	7,22	0,261	468	2,2	39	11400	1102	2030
090019	NAYY-J 04X120 SW	SMv	0,253	1,6	216	245	9,12	0,256	516	2,4	43	14400	1392	2400
090020	NAYY-J 04X150 SW	SMv	0,206	1,8	246	275	11,4	0,256	552	2,5	46	18000	1740	3030
090021	NAYY-J 04X185 SW	SMv	0,164	2	285	313	14,1	0,256	612	2,7	51	22200	2146	3650
090022	NAYY-J 04X240 SW	SMv	0,125	2,2	338	364	18,2	0,254	696	2,9	58	28800	2784	4800
090123	NAYY-J 04X300 SW	SMv	0,1	2,4	400	419	22,8	0,279	786	3	65,5	36000	3480	5685

Table: Technical characteristics NAYY-O

p/n	part name		D _i [mm]	R _l [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA/mH/km]	L _b	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Al	G [kg]
090036	NAYY-O 01X50 SW	RMv	8,6	0,641	1,4	131	151	3,8	0,325	225	1,8	15	1500	145	298
090174	NAYY-O 01X16 SW	RE	4,6	1,91	1			1,21		157	1,8	10,5	480	46,4	145
090175	NAYY-O 01X25 SW	RE	5,7	1,2	1,2	87	106	1,9		180	1,8	12	750	72,5	195
090176	NAYY-O 01X35 SW	RE	6,7	0,868	1,2	107	127	2,66	0,333	203	1,8	13,5	1050	101,5	255
090196	NAYY-O 01X35 SW	RM		0,869	1,2	107	127	2,66	0,333	203	1,8	13,5	1050	101,5	255
090177	NAYY-O 01X50 SW	RE	7,2	0,641	1,4	131	151	3,8	0,325	225	1,8	15	1500	145	298
090179	NAYY-O 01x50 SW	RMv	8,6	0,641	1,4	131	151	3,8	0,325	225	1,8	15,4	1500	145	298
090037	NAYY-O 01X70 SW	RMv	10,2	0,443	1,4	166	185	5,32	0,309	204	1,8	17	2100	203	383
090038	NAYY-O 01X95 SW	RMv	12	0,32	1,6	205	222	7,22	0,302	285	1,8	19	2850	275	490
090039	NAYY-O 01X120 SW	RMv	13,5	0,253	1,6	239	253	9,12	0,294	300	1,8	20	3600	348	575
090040	NAYY-O 01X150 SW	RMv	15	0,206	1,8	246	275	11,4	0,29	330	1,8	22	4500	435	695
090041	NAYY-O 01X185 SW	RMv	16,8	0,164	2	317	322	14,1	0,287	375	1,8	25	5550	536	845
090035	NAYY-O 01X240 SW	RMv	19,2	0,125	2,2	378	375	18,2	0,281	420	1,8	28	7200	696	1100
090027	NAYY-O 01X300 SW	RMv	21,6	0,1	2,4	437	425	22,8	0,279	450	1,9	30	9000	870	1379
090042	NAYY-O 01X400 SW	RMv	24,6	0,0778	2,6	513	487	27,2	0,275	510	2	34	12000	1160	1615
090043	NAYY-O 01X500 SW	RMv	27,6	0,0605	2,8	600	558	34	0,272	555	2,1	37	15000	1450	2015
090034	NAYY-O 01X630 SW	RMv	32,5	0,0469		701	635	42,8	0,271	645		43	18900	1827	2472
090173	NAYY-O 01X800 RM SW	RMv		0,0367		1080	1166			675		45	24000	2320	3120
090277	NAYY-O 02X10	RE								198		16,5		58	370
090138	NAYY-O 03X300 SW	SE		0,1	2,4	400	419	22,8		708		59	27000	2610	4500

p/n	part name	D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b mH/km	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Al [kg/km]	G [kg]
090044	NAYY-O 04X16 SW	RE	1,9	1	50	63	1,21	0,285	288	1,8	24	1920	186	750
090229	NAYY-O 04X25 RE SW	RE	1,2	1,2	82	102	1,9	0,28	300	1,8	25	3000	290	950
090230	NAYY-O 04X35 RE SW	RE	0,869	1,2	100	123	2,66	0,271	338	1,8	28,1	4200	406	1120
090231	NAYY-O 04X50 SE SW	SE	0,641	1,4	119	144	3,8	0,27	360	1,9	30	6000	580	1151
090232	NAYY-O 04X70 SE SW	SE	0,443	1,4	152	179	5,32	0,262	420	2,1	35	8400	812	1549
090233	NAYY-O 04X95 SE SW	SE	0,32	1,6	186	215	7,22	0,261	468	2,2	39	11400	1102	2030
090234	NAYY-O 04X120 SE SW	SE	0,253	1,6	216	245		0,256	516	2,4	43	14400	1392	2400
090235	NAYY-O 04X150 SE SW	SE	0,206	1,8	246	275	11,4	0,256	552	2,5	46	18000	1740	3030
090236	NAYY-O 04X185 SE SW	SE	0,164	2	285	313	14,1	0,256	612	2,7	51	22200	2146	3650
090237	NAYY-O 04X240 SE SW	SE	0,125	2,2	338	364	18,2	0,254	672	2,9	56	28800	2784	4800

DI	diameter of conductor
RI	conductor resistance
WI	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Lb	specific inductivity
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Al	Aluminium
G	weight

Power cable NAYCWY acc. to VDE 0276-603

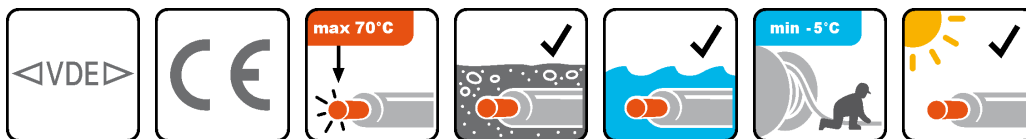


conductor material:	aluminium
insulation:	PVC DIV 4
concentric conductor:	Cu
sheathing material:	PVC DMV 5
colour of outer sheath:	black
meter mark:	yes
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
UV-resistant:	yes
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colored acc. to HD 308; more than 5 cores: numbers

Application: For fixed installation in buildings, in free air, in ground and in water.

Finnland: AMCMK

Russia: ПвЭВ



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Table: Technical characteristics NAYCWY

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
090164	NAYCWY 02X10/10 SW	RE	3,08	1	60	79	0,76		237	1,8	18,8	600	88	58	524
090165	NAYCWY 02X16/16 SW	RE	1,91	1	80	102	1,21		247	1,8	20,6	960	93	93	649
090143	NAYCWY 03X10/10 SW	RE	3,08	1	60	79	0,76		242	1,8	20,2	900	128	87	599
090239	NAYCWY 03X25 RM/16 SW	RM	1,2	1,2	83	103				1,8	26,6	2250	182	218	1046
090240	NAYCWY 03X50 SM/25 SW		0,641	1,4	121	145				2	29,4	4500	283	435	1283
090178	NAYCWY 03X95/50 SW	SMv	0,32	1,6	189	216	7,22		457	2,2	38,1	8550	560	827	2136
090180	NAYCWY 03X120/70 SW	SMv	0,253	1,6	220	246	9,12			2,3	40,8	10800	780	1044	2612
090241	NAYCWY 03X150 SM/70 SW										44,9	13500	780	1305	3019
090201	NAYCWY 03X150/150 SW	SMv	0,206	1,8	249	276				2,6		13500	1662	1305	3550
090206	NAYCWY 03X50/50 SW	SE	0,641	1,4	121	145	3,8			2	31	4500	340	435	1170
090207	NAYCWY 03X70/70 SW	SE	0,443	1,4	155	180	5,32			2,1	36	6300	475	609	1670
090208	NAYCWY 03X95/95 SW	SE	0,32	1,6	189	216	7,22			2,3	41	8550	640	827	2230

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
090209	NAYCWY 03X120/120 SW	SE	0,253	1,6	220	246	9,12			2,4	43	10800	800	1044	2670
090210	NAYCWY 03X150/150 SW	SE	0,206	1,8	249	276	11,4			2,6	47	13500	1000	1305	3230
090279	NAYCWY 03X185 SM/95 SW	SMv									49,8		1055	1610	3895
090211	NAYCWY 03X185/185 SW	SE	0,164	2	287	313	14,1			2,8	52	16650	1230	1610	4020
090212	NAYCWY 03X240/240 SW	SE	0,125	2,2	339	362	18,2			3	58	21600	1585	2088	5350
090074	NAYCWY 04X16/16 SW	RE	1,9	1	57	75	1,22	0,281	264	1,8	22	1920	182	186	950
090058	NAYCWY 04X25/16 SW	RM	1,2	1,2	83	103	1,9	0,28	312	1,8	26	3000	182	290	1150
090150	NAYCWY 04X25/16 SW	RE	1,2	1,2	83	103	1,9	0,28	312	1,8	26	3000	182	290	1150
090151	NAYCWY 04X35/16 SW	RE	0,869	1,2	101	123	2,66	0,271	324	1,8	27	4200	182	406	1200
090060	NAYCWY 04X50/25 SW	SMv	0,641	1,4	121	145	3,8	0,27	372	2	31	6000	283	580	1600
090152	NAYCWY 04X50/25 SW	RE	0,641	1,4	121	145	3,8	0,27	372	2	33	6000	283	580	1600
090198	NAYCWY 04X50/25 SW	SE	0,641	1,4	121	145	3,8	0,27	372	2	31	6000	283	580	1600
090061	NAYCWY 04X70/35 SW	SMv	0,443	1,4	155	180	5,32	0,262	420	2,1	36,5	8400	394	812	2250
090153	NAYCWY 04X70/35 SW	SE	0,443	1,4	155	186	5,32	0,262	420	2,1	35	8400	394	812	2250
090062	NAYCWY 04X95/50 SW	SMv	0,32	1,6	189	216	7,22	0,261	504	2,3	42	11400	560	1102	2900
090154	NAYCWY 04X95/50 SW	SE	0,32	1,6	189	216	7,22	0,261	504	2,3	40	11400	560	1102	2900
090063	NAYCWY 04X120/70 SW	SMv	0,253	1,6	220	246	9,12	0,256	540	2,4	45	14400	780	1392	3500
090155	NAYCWY 04X120/70 SW	SE	0,253	1,6	220	246	9,12	0,256	540	2,4	42,5	14400	780	1392	3500
090064	NAYCWY 04X150/70 SW	SMv	0,206	1,8	249	276	11,4	0,256	576	2,6	50	18000	780	1740	4200
090156	NAYCWY 04X150/70 SW	SE	0,206	1,8	249	276	11,4	0,256	576	2,6	46,5	18000	780	1740	4200
090065	NAYCWY 04X185/95 SW	SMv	0,164	2	287	313	14,1	0,256	636	2,8	57	22200	1055	2146	4950
090157	NAYCWY 04X185 SE/95 SW				287	313	14,1				53		1055	2146	4950
090066	NAYCWY 04X240/120 SW	SMv	0,125	2,2	339	362	18,2	0,254	720	3	64	28800	1330	2784	5600
090158	NAYCWY 04X240 SE/120 SW				339	362	18,2				60		1330	2784	5600
090199	NAYCWY 04X300/150 SW	SMv	0,1	2,4	401	415	22,8		828	3,2	69	36000	1650	3480	8080

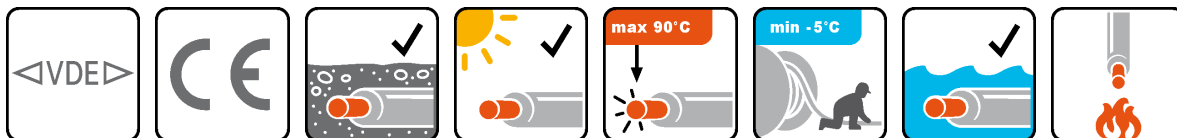
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Lb	specific inductivity
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
Al	Aluminium
G	weight

Power cable NA2XY acc. to VDE 0276-603

conductor material: aluminium
insulation: XLPE DIX3
sheathing material: PVC DMV6
colour of outer sheath: black
meter mark: yes
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 90 °C
max. operating temperature, fixed: 90 °C
temperature, moved/during installation: -5 - +70 °C
bending radius, fixed installation: 15 x DA

	NA2XY-J	NA2XY-O
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV	1,2 kV
test voltage:	4 kV	4 kV
protective conductor:	yes	no
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)

Application: For fixed installation in buildings, in free air, in ground and in water.



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Table: Technical characteristics NA2XY-J

p/n	part name		R _I [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	W _m [mm]	D _A [mm]	F _{zv} [N]	AI [kg/km]	G [kg]
090099	NA2XY-J 03X70/35	SMv	0,443	1,1	191	196	6,58	2		7350	711	1141
090100	NA2XY-J 03X95/50	SMv	0,32	1,1	234	234	8,93	2,1		10050	972	1487
090101	NA2XY-J 03X120/70	SMv	0,253	1,2	273	268	11,28	2,3		12900	1247	1837
090102	NA2XY-J 03X150 /70	SMv	0,206	1,4	311	300	14,1	2,4	41,6	15600	1508	2212
090103	NA2XY-J 03X185/95	SMv	0,164	1,6	360	342	17,4	2,6		19500	1886	2744
090104	NA2XY-J 03X240/120	SMv	0,125	1,7	427	398	22,6	2,8		25200	2436	3490
090270	NA2XY-J 03X16 RE 0,6/1 KV SW	RE							18		139	405
090261	NA2XY-J 04X16 RE 0,6/1 KV SW	RE	1,91						19,5	1920	186	470
090262	NA2XY-J 04X25 RE 0,6/1 KV SW	RE	1,2		102	112	1,9		23	3000	290	670
090263	NA2XY-J 04X35 RE 0,6/1 KV SW	RE	0,869	0,9	126	135	3,29	1,8	25,5	4200	406	835
090160	NA2XY-J 04X50 SE 0,6/1 KV SW	SE	0,641	1	149	158	4,7	1,9	27	6000	580	930

p/n	part name		R_l [Ω/km]	W_i [mm]	I_{bl} [A]	I_{be} [A]	I_k [kA]	W_m [mm]	D_A [mm]	F_{zv} [N]	Al [kg/km]	G [kg]
090264	NA2XY-J 04X70 SE 0,6/1 KV SW	SE	0,443	1,1	191	196	6,58	2	30,5	8400	812	1245
090161	NA2XY-J 04X95 SE 0,6/1 KV SW	SE	0,32	1,1	234	234	8,93	2,1	34	11400	1102	1620
090267	NA2XY-J 04X120 SE 0,6/1 KV SW	SE	0,253	1,2	273	268	11,28	2,3	38	14400	1392	1990
090265	NA2XY-J 04X150 SE 0,6/1 KV SW	SE	0,206	1,4	311	300	14,1	2,4	42	18002	1740	2450
090266	NA2XY-J 04X185 SE 0,6/1 KV SW	SE	0,164	1,6	360	342	17,3	2,6	46	22200	2146	3000
090163	NA2XY-J 04X240 SE 0,6/1 KV SW	SE	0,125	1,7	427	398	22,5	2,8	52	28800	2784	3860

Table: Technical characteristics NA2XY-O

p/n	part name		R_l [Ω/km]	W_i [mm]	I_{bl} [A]	I_{be} [A]	I_k [kA]	W_m [mm]	D_A [mm]	F_{zv} [N]	Al [kg/km]	G [kg]
090238	NA2XY-O 01X16 RE SW	RE	1,91	0,7			1,5	1,8	9,5	480	46,4	120
090271	NA2XY-O 1X25	RM	1,2						11,5		73	175
090283	NA2XY-O 1X120	RMv	0,253						20		348	535
090146	NA2XY-O 01X240	RMv	0,125	1,7	472	404	22,5	1,8	25,5	7200	696	895
090057	NA2XY-O 01X300	RMv	0,1	1,8	547	457	28,2	1,8		9000	870	1379
090133	NA2XY-O 01X400	RMv	0,0778	2	643	525	37,6	1,9	32	12000	1160	1466
090124	NA2XY-O 01X500	RMv	0,0605	2,2	754	601	47	2	36	15000	1450	1850
090242	NA2XY-O 01X630 SW	RMv	0,0469		882	687			40	18900	1827	2350

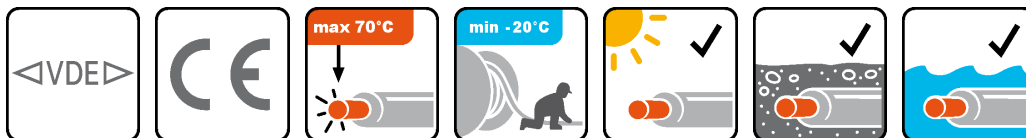
R_l	conductor resistance
W_i	thickness of insulation
I_{bl}	ampacity (in air)
I_{be}	ampacity (in ground)
I_k	short circuit current (1 s)
W_m	thickness of outer sheath
D_A	outer diameter
F_{zv}	tensile strength (during installation)
Al	Aluminium
G	weight

Power cable NAY2Y acc. to VDE 0276-603

conductor material:	aluminium
insulation:	PVC
sheathing material:	polyethylene DMP2
colour of outer sheath:	black
meter mark:	yes
flame retardant:	no
UV-resistant:	yes
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	12 x DA

	NAY2Y-J	NAY2Y-O
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV	1,2 kV
test voltage:	4 kV	4 kV
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)

Application: For fixed installation in buildings, in free air, in ground and in water.



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Table: Technical characteristics NAY2Y-J

p/n	part name		R _i [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	D _A [mm]	F _{zv} [N]	Al [kg/km]	G [kg]
090145	NAY2Y-J 01X120	RMv	0,253	239	253	9,12	22,2	3600	348	685
090056	NAY2Y-J 03X240 /120	SE	0,125	338	364	18,2	56,2	21600	2436	4050
090243	NAY2Y-J 04X35 RE SW	RE	0,865	100	123	2,66	28	4200	406	1020
090213	NAY2Y-J 04X50	SE	0,641	119	144	3,8	29	6000	580	1040
090244	NAY2Y-J 04X70 SE SW	SE	0,443	159	179	5,32	32	8400	812	1330
090245	NAY2Y-J 04X95 SE SW	SE	0,32	186	215	7,22	37	11400	1102	1785
090246	NAY2Y-J 04X120 SE SW	SE	0,253	216	245	9,12	40	14400	1392	2140
090214	NAY2Y-J 04X150	SE	0,206	246	275	11,4	44	18000	1740	2635
090247	NAY2Y-J 04X185 SE SW	SE	0,164	285	313	14,1	48,5	22200	2146	3210
090248	NAY2Y-J 04X240 SE SW	SE	0,125	338	364	18,2	54,5	28800	2784	4085
090118	NAY2Y-J 04X150	SMv	0,206	246	275	11,4	44	18000	1740	2635

The current rating are calculated for 30 °C ambient temperature and standard utility load flow.

Table: Technical characteristics NAY2Y-O

p/n	part name		R _i [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	D _A [mm]	F _{zv} [N]	Al [kg/km]	G [kg]
090054	NAY2Y-O 01X120	SE	0,253	239	253	9,12	22,2	3600	348	685

p/n	part name		R_l [Ω/km]	I_{bl} [A]	I_{be} [A]	I_k [kA]	D_A [mm]	F_{zv} [N]	Al [kg/km]	G [kg]
090142	NAY2Y-O 04X150	SE	0,206	246	275	11,4	48,7	18000	1740	2950

The current rating are calculated for 30 °C ambient temperature and standard utility load flow.

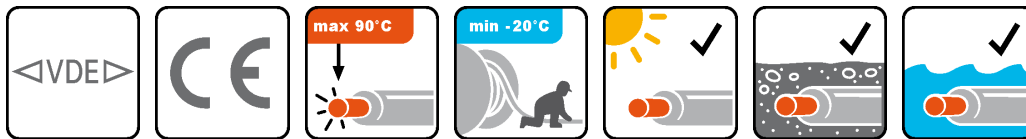
RI	conductor resistance
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
DA	outer diameter
Fzv	tensile strength (during installation)
Al	Aluminium
G	weight

Power cable NA2X2Y acc. to VDE 0276-603

conductor material: aluminium
insulation: XLPE
sheathing material: polyethylene
colour of outer sheath: black
meter mark: yes
flame retardant: no
UV-resistant: yes
maximum temperature at conductor: 90 °C
max. operating temperature, fixed: -20 - +70 °C
bending radius, fixed installation: 15 x DA

	NA2X2Y-J	NA2X2Y-O
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV	1,2 kV
test voltage:	4 kV	4 kV
core identification:	colours acc. VDE 0293 (HD308)	

Application: For fixed installation in buildings, in free air, in ground and in water.



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Table: Technical characteristics NA2X2Y-J

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	W _m [mm]	D _A [mm]	F _{zv} [N]	Al [kg/km]	G [kg]
090252	NA2X2Y-J 04X16 RE 0,6/1 kV SW	RE	1,91	0,8					1,8	19,5	1920	186	418
090253	NA2X2Y-J 04X25 RE 0,6/1 kV SW	RE	1,2	0,9	102	112			1,8	25,5	3000	290	715
090254	NA2X2Y-J 04X35 RE 0,6/1 kV SW	RE	0,869	0,9	126	135			1,8	26	4200	406	775
090255	NA2X2Y-J 04X50 SE 0,6/1 kV SW	SE	0,641	1	149	158	4,7		1,9	27	6000	580	835
090256	NA2X2Y-J 04X70 SE 0,6/1 kV SW	SE	0,443	1	191	196	6,58		2	30,5	8400	812	1125
090257	NA2X2Y-J 04X95 SE 0,6/1 kV SW	SE	0,32	1,1	234	234	8,93		2,1	34	11400	1102	1480
090258	NA2X2Y-J 04X120 SE 0,6/1 kV SW	SE	0,253	1,2	273	268	11,28		2,3	37,5	14400	1392	1830
090259	NA2X2Y-J 04X150 SE 0,6/1 kV SW	SE	0,206	1,4	311	300	14,1		2,4	41,5	18001	1740	2220
090260	NA2X2Y-J 04X185 SE 0,6/1 kV SW	SE	0,164	1,6	360	342	17,4		2,6	46	22200	2146	2780
090121	NA2X2Y-J 04X240	SE	0,125	1,7	427	398	22,6	0,246	2,8	52	28800	2784	3835
090122	NA2X2Y-J 04X240	SMv	0,125	1,7	427	398	22,6	0,246	2,8	58	28800	2784	4080

Table: Technical characteristics NA2X2Y-O

p/n	part name		R_i [Ω/km]	W_i [mm]	I_{bl} [A]	I_{be} [A]	W_m [mm]	D_A [mm]	F_{zv} [N]	Al [kg/km]	G [kg]
090139	NA2X2Y-O 01X300	RMv	0,1	1,8	547	457	1,8	27,4	9000	870	1048
090140	NA2X2Y-O 01X500	RMv	0,0605	2,2	754	601	2	34,3	7500	1450	1688
090141	NA2X2Y-O 01X800	RMv	0,0367		1019	776		58	24000	2320	2676

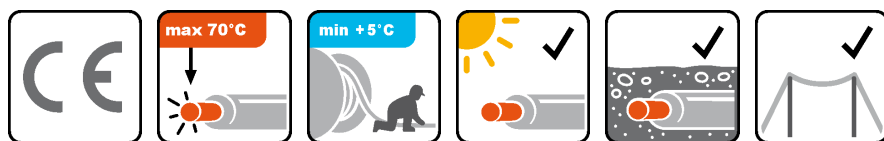
R_i	conductor resistance
W_i	thickness of insulation
I_{bl}	ampacity (in air)
I_{be}	ampacity (in ground)
I_k	short circuit current (1 s)
L_b	specific inductivity
W_m	thickness of outer sheath
D_A	outer diameter
F_{zv}	tensile strength (during installation)
Al	Aluminium
G	weight

Self-supporting aerial power cable (N)Y(Zg)2Y

conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	PVC DIV 4
reinforcing element:	in outer sheath embedded glass yarns
sheathing material:	polyethylene 2YM1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-20 - +70 °C
temperature, moved/during installation:	5 - 70 °C
bending radius, fixed installation:	10 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: The cable is designed for self supporting aerial outdoor installation up to support distances of 50 m. For fixed installation inside of buildings and for direct burial in earth. The construction of the support system assists the pulling in of cable, so that the cable can be pulled into conduits (gas- and water pipelines) over longer distances.

Additional information: Glass yarns are embedded into the outer sheath as strength member.



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Table: Technical characteristics (N)Y(Zg)2Y

p/n	part name		R _i [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
031735	(N)YZG2Y-J 03X1,5 RE SW	RE	12,1	19	27	0,17	0,343	12,1	7000	43	160
031925	(N)YZG2Y-J 04X1,5 RE SW	RE	12,1	19	27	0,17	0,366	13,8	7000	58	180
032859	(N)YZG2Y-J 05X1,5 RE SW	RE	12,1	19	27	0,17	0,375	14	7500	72	230
031898	(N)YZG2Y-J 03X2,5 RE SW	RE	7,41	25	36	0,29	0,317	13	7500	72	195
031952	(N)YZG2Y-J 04X2,5 RE SW	RE	7,41	25	36	0,29	0,34	14	7000	96	240
031866	(N)YZG2Y-J 05X2,5 RE SW	RE	7,41	25	36	0,29	0,349	15,8	7500	120	240
032071	(N)YZG2Y-J 04X4 RE SW	RE	4,61	34	47	0,46	0,339	16,8	7500	154	350
031956	(N)YZG2Y-J 05X4 RE SW	RE	4,61	34	47	0,46	0,348	17,9	9000	192	410
032110	(N)YZG2Y-J 04X6 RE SW	RE	3,08	43	59	0,69	0,321	17,9	9000	230	440
031938	(N)YZG2Y-J 05X6 RE SW	RE	3,08	43	59	0,69	0,33	19,7	9000	288	520
032111	(N)YZG2Y-J 04X10 RE SW	RE	1,83	59	79	1,15	0,301	20,2	13500	384	630
032113	(N)YZG2Y-J 05X10 RE SW	RE	1,83	59	79	1,15	0,31	22,8	13500	480	780
032112	(N)YZG2Y-J 04X16 RE SW	RE	1,15	79	103	1,84	0,285	22,8	13500	614	880
034994	(N)YZG2Y-J 05X16 RE SW	RE	1,15	79	103	1,84		26,4	13500	768	1280

The maximum permitted tensile strength F_z requires a force-fit connection between conductors and outer sheath.

RI	conductor resistance
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Lb	specific inductivity
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

FRNC power cable N2XH-J/-O acc. to VDE 0276-604

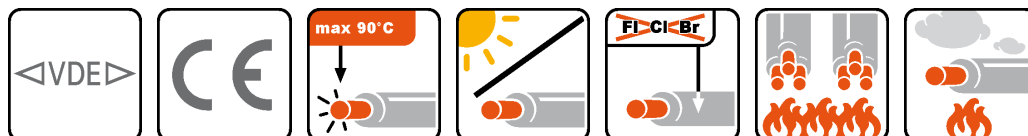


conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	XLPE 2XI1
sheathing material:	FRNC-compound HM4
flame retardant:	DIN EN 50266-2-4/VDE 0482-266-2-4/IEC 60332-3-24 (cat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA

	<i>N2XH-J</i>	<i>N2XH-O</i>
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV	1,2 kV
test voltage:	4 kV	4 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers	colored acc. to HD 308; more than 5 cores: numbers

Application: Low-smoke, zero-halogen flame retardant power cable. For fixed indoor and outdoor installation as well as in concrete, but not for direct burial in ground or application in water.

Belgium:	XGB
Switzerland:	CH-N1XZ1
Finnland:	XMK-HF
Austria:	E-2XH



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics N2XH-J

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
011070	N2XH-J 03X1,5 SW	RE	12,1	0,7	24	0,21	144	12	225	43	179
011071	N2XH-J 03X2,5 SW	RE	7,41	0,7	32	0,36	156	13	375	72	225
011073	N2XH-J 03X4 SW	RE	4,61	0,7	42	0,57	168	14	600	115	291
011074	N2XH-J 03X6 SW	RE	3,08	0,7	53	0,86	180	15	900	173	371
011075	N2XH-J 03X10 SW	RE	1,83	0,7	74	1,43	192	16	1500	288	523
011076	N2XH-J 03X16 SW	RE	1,15	0,7	98	2,29	240	20	2400	461	773

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
011077	N2XH-J 03X25 SW	RM	0,727	0,9	133	3,58	264	22	3750	720	1200
011078	N2XH-J 03X35 SW	SM	0,524	0,9	162	5,01	300	25	5250	1008	1600
011079	N2XH-J 03X50 SW	SMv	0,387	1	197	7,15	312	26	7500	1440	1800
011514	N2XH-J 03X25/16 SW	RM	0,727	0,9	133	3,58	288	24	3750	874	1200
011515	N2XH-J 03X35/16 SW	SM	0,524	0,9	162	5,01	312	26	5250	1162	1640
011080	N2XH-J 03X50/25 SW	SMv	0,387	1	197	7,15	384	32	7500	1680	2200
011081	N2XH-J 03X70/35 SW	SMv	0,268	1,1	250	10,01	444	37	10500	2352	2950
011082	N2XH-J 03X95/50 SW	SMv	0,193	1,1	308	13,59	492	41	14250	3216	3900
011083	N2XH-J 03X120/70 SW	SMv	0,153	1,2	359	17,16	540	45	18000	4128	4800
011084	N2XH-J 03X150/70 SW	SMv	0,124	1,4	412	21,45	588	49	22500	4992	5750
011085	N2XH-J 03X185/95 SW	SMv	0,0991	1,6	475	26,46	660	55	27750	6240	7200
011086	N2XH-J 03X240/120 SW	SMv	0,0754	1,7	564	34,32	744	62	36000	8064	9150
011087	N2XH-J 04X1,5 SW	RE	12,1	0,7	24	0,21	156	13	300	58	208
011088	N2XH-J 04X2,5 SW	RE	7,41	0,7	32	0,36	168	14	500	96	265
011089	N2XH-J 04X4 SW	RE	4,61	0,7	42	0,57	168	15	800	154	352
011090	N2XH-J 04X6 SW	RE	3,08	0,7	53	0,86	192	16	1200	230	454
011091	N2XH-J 04X10 SW	RE	1,83	0,7	74	1,43	216	18	2000	384	647
011092	N2XH-J 04X16 SW	RE	1,15	0,7	98	2,29	240	20	3200	614	964
011093	N2XH-J 04X25 SW	RM	0,727	0,9	133	3,58	312	26	5000	960	1446
011094	N2XH-J 04X35 SW	SM	0,524	0,9	162	5,01	348	29	7000	1344	1906
011095	N2XH-J 04X50 SW	SMv	0,387	1	197	7,15	384	32	10000	1920	2530
011096	N2XH-J 04X70 SW	SMv	0,268	1,1	250	10,01	444	37	14000	2688	3418
011097	N2XH-J 04X95 SW	SMv	0,193	1,1	308	13,59	492	41	19000	3648	4574
011098	N2XH-J 04X120 SW	SMv	0,153	1,2	359	17,16	576	48	24000	4608	5300
011099	N2XH-J 04X150 SW	SMv	0,124	1,4	412	21,45	600	50	30000	5760	6350
011100	N2XH-J 04X185 SW	SMv	0,0991	1,6	475	26,46	636	53	37000	7104	7800
011101	N2XH-J 04X240 SW	SMv	0,0754	1,7	564	34,32	696	58	48000	9216	10300
011102	N2XH-J 05X1,5 SW	RE	12,1	0,7	24	0,21	180	14	375	72	243
011103	N2XH-J 05X2,5 SW	RE	7,41	0,7	32	0,36	180	15	625	120	310
011104	N2XH-J 05X4 SW	RE	4,61	0,7	42	0,57	192	16	1000	192	413
011105	N2XH-J 05X6 SW	RE	3,08	0,7	53	0,86	204	17	1500	288	536
011106	N2XH-J 05X10 SW	RE	1,83	0,7	74	1,43	228	19	2500	480	776
011107	N2XH-J 05X16 SW	RE	1,15	0,7	98	2,29	264	22	4000	768	1165
011169	N2XH-J 05X25 SW	RM	0,727	0,9	133	3,58	300	25	6250	1200	1766
012993	N2XH-J 05X35 SW	RM	0,524	0,9	162	5,01	346	28,8	8750	1680	2155
013714	N2XH-J 05X95 SW	SMv	0,193	1,1	308	13,59	446	37,2	23750	4560	4874
011108	N2XH-J 07X1,5 SW	RE	12,1	0,7	24	0,21	168	14	525	101	206
012199	N2XH-J 07X6 SW	RE	3,08	0,7	53	0,86	191	15,9	2100	403,2	569
012200	N2XH-J 07X10 SW	RE	1,83	0,7	74	1,43	219	18,2	3500	672	859
011109	N2XH-J 10X1,5 SW	RE	12,1	0,7	24	0,21	204	17	750	144	287
011110	N2XH-J 12X1,5 SW	RE	12,1	0,7	24	0,21	204	17	900	173	328
011111	N2XH-J 14X1,5 SW	RE	12,1	0,7	24	0,21	204	17	1050	202	383
011112	N2XH-J 19X1,5 SW	RE	12,1	0,7	24	0,21	228	19	1425	274	484
011113	N2XH-J 24X1,5 SW	RE	12,1	0,7	24	0,21	264	22	1800	346	603
011114	N2XH-J 30X1,5 SW	RE	12,1	0,7	24	0,21	276	23	2250	432	730
011170	N2XH-J 40X1,5 SW	RE	12,1	0,7	24	0,21	312	26	3000	576	1200
011115	N2XH-J 07X2,5 SW	RE	7,41	0,7	32	0,36	180	15	875	168	287
011116	N2XH-J 10X2,5 SW	RE	7,41	0,7	32	0,36	216	18	1250	240	472
011117	N2XH-J 12X2,5 SW	RE	7,41	0,7	32	0,36	216	18	1500	288	472
011118	N2XH-J 14X2,5 SW	RE	7,41	0,7	32	0,36	228	19	1750	336	670
011119	N2XH-J 19X2,5 SW	RE	7,41	0,7	32	0,36	252	21	2375	456	840
011120	N2XH-J 24X2,5 SW	RE	7,41	0,7	32	0,36	300	25	3000	576	1050
011121	N2XH-J 30X2,5 SW	RE	7,41	0,7	32	0,36	312	26	3750	720	1230
011122	N2XH-J 07X4 SW	RE	4,61	0,7	42	0,57	180	15	1400	269	530
011123	N2XH-J 12X4 SW	RE	4,61	0,7	42	0,57	234	21	2400	461	820
012201	N2XH-J 14X4 SW	RE	4,61	0,7	42	0,57	12	19,5	2800	538	765
013177	N2XH-J 17X4 SW	RE	4,61	0,7	42		262	21,8	3400	653	947
013986	N2XH-J 01X4 SW	RE						9		38	140
013987	N2XH-J 01X6 SW	RE						10		58	160

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
013988	N2XH-J 01X10 SW	RE						11		96	210
012570	N2XH-J 01X16 SW	RE	1,15	0,7		2,29	144	12	800	154	270
013674	N2XH-J 01X25 SW	RM	0,727	0,9		3,58		14	1250	240	380
013989	N2XH-J 01X35 SW	RMv						15		336	490
013977	N2XH-J 01X50 SW	RMv						16		480	620
013978	N2XH-J 01X70 SW	RMv						18		672	830
011544	N2XH-J 01X95 SW	RMv	0,193	1,1		13,59	240	20	4750	912	1200
012460	N2XH-J 01X120 SW	RMv	0,153	1,2		17,16	264	22	6000	1152	1250
013883	N2XH-J 01X150 SW	RM						24		1440	1700
012259	N2XH-J 01X185 SW	RMv	0,0991	1,6		26,46	312	26	9250	1776	2200
012230	N2XH-J 01X240 SW	RMv	0,0754	1,7		34,32	348	29	12000	2304	2750
013238	N2XH-J 04X25/16 SW	RM	0,727	0,9	133	3,58	314	26,1	5800	1114	1539
013239	N2XH-J 04X35/16 SW	SMv	0,524	0,9	162	5,01	353	29,4	7800	1498	1965
013240	N2XH-J 04X50/25 SW	SMv	0,387	1	197	7,15	370	30,8	11250	2160	2445
013241	N2XH-J 04X70/35 SW	SMv	0,268	1,1	250	10,01	416	34,6	15570	3024	3342
013242	N2XH-J 04X185/95 SW	SMv	0,0991	1,6	475	26,46	634	52,8	41750	8016	8508

Table: Technical characteristics N2XH-O

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
012541	N2XH-O 01X1,5 SW	RE	12,1	0,7	26	0,21			75	14,4	53
012542	N2XH-O 01X2,5 SW	RE	7,41	0,7	34	0,36			150	24	90
011049	N2XH-O 01X4 SW	RE	4,61	0,7	44	0,57	135	9	200	38	140
011072	N2XH-O 01X6 SW	RE	3,08	0,7	56	0,86	150	10	300	58	160
011051	N2XH-O 01X10 SW	RE	1,83	0,7	77	1,43	165	11	500	96	210
011052	N2XH-O 01X16 SW	RE	1,15	0,7	102	2,29	180	12	800	154	270
011053	N2XH-O 01X25 SW	RM	0,727	0,9	138	3,58	210	14	1250	240	380
011054	N2XH-O 01X35 SW	RM	0,524	0,9	170	5,01	225	15	1750	336	490
011055	N2XH-O 01X50 SW	RMv	0,387	1	207	7,15	240	16	2500	480	620
011056	N2XH-O 01X70 SW	RMv	0,268	1,1	263	10,01	270	18	3500	672	830
011057	N2XH-O 01X95 SW	RMv	0,193	1,1	325	13,59	300	20	4750	912	1200
011058	N2XH-O 01X120 SW	RMv	0,153	1,2	380	17,16	330	22	6000	1152	1250
011059	N2XH-O 01X150 SW	RMv	0,124	1,4	437	21,45	360	24	7500	1440	1700
011060	N2XH-O 01X185 SW	RMv	0,0991	1,6	507	26,46	390	26	9250	1776	2200
011061	N2XH-O 01X240 SW	RMv	0,0754	1,7	604	34,32	435	29	12000	2304	2750
011062	N2XH-O 01X300 SW	RMv	0,0601	1,8	697	42,9	450	30	15000	2880	3300
011864	N2XH-O 01X400 SW	RMv	0,047	2	811	57,2	480	32	20000	3840	4420
011543	N2XH-O 01X500 SW	RMv	0,0366	2,2	940	71,5	555	37	25000	4800	4866
011063	N2XH-O 02X1,5 SW	RE	12,1	0,7	24	0,21	144	12	150	29	180
011997	N2XH-O 03X1,5 SW	RE	12,1	0,7	24	0,21	144	12	225	43	179
011064	N2XH-O 02X2,5 SW	RE	7,41	0,7	32	0,36	146	12,1	250	48	210
012622	N2XH-O 03X2,5 SW	RE	7,41	0,7	32	0,36	156	13		72	225
011065	N2XH-O 02X4 SW	RE	4,61	0,7	42	0,57	156	13	400	77	270
011066	N2XH-O 02X6 SW	RE	3,08	0,7	53	0,86	168	14	600	115	340
011067	N2XH-O 02X10 SW	RE	1,83	0,7	74	1,43	192	16	1000	192	450
011068	N2XH-O 02X16 SW	RE	1,15	0,7	98	2,29	216	18	1600	307	600
011069	N2XH-O 02X25 SW	RM	0,727	0,9	133	3,58	276	23	2500	480	980
012057	N2XH-O 04X4 SW	RE	4,61	0,7	42	0,57	180	15	800	154	352
012456	N2XH-O 04X6 SW	RE	3,08	0,7	53	0,86	192	16	1200	230	454
011382	N2XH-O 04X10 SW	RE	1,83	0,7	74	1,43	216	18	2000	384	647
011547	N2XH-O 04X16 SW	RE	1,15	0,7	98	2,29	240	20	3200	614	964
012040	N2XH-O 04X25 SW	RM	0,727	0,9	133	3,58	312	26	5000	960	1446
012211	N2XH-O 04X35 SW	SM	0,524	0,9	162	5,01	348	29	7000	1344	1906
012041	N2XH-O 04X50 SW	SMv	0,387	1	197	7,15	384	32	10000	1920	2530
012212	N2XH-O 04X70 SW	SMv	0,268	1,1	250	10,01	444	37	14000	2688	3418
012036	N2XH-O 04X95 SW	SMv	0,193	1,1	308	13,59	492	41	19000	3648	4574
011381	N2XH-O 04X120 SW	SMv	0,153	1,2	359	17,16	576	48	24000	4608	5300
012051	N2XH-O 10X1,5 SW	RE	12,1	0,7	24	0,21	204	17	750	144	287

RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

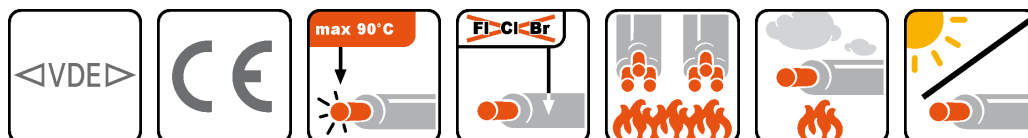
FRNC power cable N2XCH acc. to VDE 0276-604



conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	XLPE 2XI1
concentric conductor:	Cu
sheathing material:	FRNC-compound HM4
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	90 °C
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: Low-smoke, zero-halogen flame retardant power cable. For fixed indoor and outdoor installation as well as in concrete, but not for direct burial in ground or application in water.

Finnland:	XCMK-HF F4B
Sweden:	FXQJ



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics N2XCH

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
012738	N2XCH 01X300/16 SW	RMv	0,0601	1,8	654	42,9			15000	3062	3398
011128	N2XCH 02X1,5/1,5 SW	RE	12,1	0,7	25	0,21	144	12	150	52	250
011129	N2XCH 02X2,5/2,5 SW	RE	7,41	0,7	33	0,36	144	12	250	80	280
011508	N2XCH 02X4/4 SW	RE	4,61	0,7	43	0,57	168	14	400	123	320
012528	N2XCH 02X6/6 SW	RE	3,08	0,7	54	0,86	180	15	600	182	410
012529	N2XCH 02X10/10 SW	RE	1,83	0,7	75	1,43	204	17	1000	312	550
012530	N2XCH 02X16/16 SW	RE	1,15	0,7	100	2,29	228	19	1600	489	780
011130	N2XCH 03X1,5/1,5 SW	RE	12,1	0,7	25	0,21	228	12	225	66	250
011131	N2XCH 03X2,5/2,5 SW	RE	7,41	0,7	33	0,36	156	13	375	104	320
011132	N2XCH 03X4/4 SW	RE	4,61	0,7	43	0,57	168	14	600	161	400
011133	N2XCH 03X6/6 SW	RE	3,08	0,7	54	0,86	192	16	900	240	500

p/n	part name		R_l [Ω/km]	W_i [mm]	I_{bl} [A]	I_k [kA]	R_{bv} [mm]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg]
011134	N2XCH 03X10/10 SW	RE	1,83	0,7	75	1,43	216	18	1500	408	750
011135	N2XCH 03X16/16 SW	RE	1,15	0,7	100	2,29	252	21	2400	643	1000
011136	N2XCH 03X25/16 SW	RM	0,727	0,9	136	3,58	288	24	3750	902	1600
011137	N2XCH 03X35/16 SW	SM	0,524	0,9	165	5,01	324	27	5250	1190	1900
011138	N2XCH 03X50/25 SW	SMv	0,387	1	201	7,15	360	30	7500	1723	2400
012063	N2XCH 03X70/35 SW	SMv	0,268	1,1	255	10,01	408	34	10500	2410	2615
013018	N2XCH 03X95/50 SW	SMv	0,193	1,1	314	13,59	457	38,1	14250	3296	3636
013019	N2XCH 03X120/70 SW	SMv	0,153	1,2	364	17,16	510	42,5	18000	4236	4606
013020	N2XCH 03X150/70 SW	SMv	0,124	1,4	416	21,45	564	47	22500	5100	5552
012064	N2XCH 03X185/95 SW	SMv	0,0991	1,6	480	26,46	600	50	27750	6383	6680
013021	N2XCH 03X240/120 SW	SMv	0,0754	1,7	565	34,32	685	57,1	36000	8242	8964
011139	N2XCH 04X1,5/1,5 SW	RE	12,1	0,7	25	0,21	156	13	300	81	235
011140	N2XCH 04X2,5/2,5 SW	RE	7,41	0,7	33	0,36	168	14	500	128	302
011141	N2XCH 04X4/4 SW	RE	4,61	0,7	43	0,57	180	15	800	200	411
011142	N2XCH 04X6/6 SW	RE	3,08	0,7	54	0,86	204	17	1200	297	527
011029	N2XCH 04X10/10 SW	RE	1,83	0,7	10	1,43	228	19	2000	504	762
011143	N2XCH 04X16/16 SW	RE	1,15	0,7	100	2,29	264	22	3200	796	1139
011144	N2XCH 04X25/16 SW	RM	0,727	0,9	136	3,58	324	27	5000	1142	1634
011145	N2XCH 04X35/16 SW	SM	0,524	0,9	165	5,01	348	29	7000	1526	2080
011146	N2XCH 04X50/25 SW	SMv	0,387	1	201	7,15	396	33	10000	2203	2790
011147	N2XCH 04X70/35 SW	SMv	0,268	1,1	255	10,01	492	41	14000	3082	3550
011148	N2XCH 04X95/50 SW	SMv	0,193	1,1	314	13,59	552	46	19000	4208	4800
011149	N2XCH 04X120/70 SW	SMv	0,153	1,2	364	17,16	600	50	24000	5388	6556
011150	N2XCH 04X150/70 SW	SMv	0,124	1,4	416	21,45	660	55	30000	6540	7904
011151	N2XCH 04X185/95 SW	SMv	0,0991	1,6	480	26,46	744	62	37000	8159	9950
011152	N2XCH 04X240/120 SW	SMv	0,0754	1,7	565	34,32	816	68	48000	10546	12912
012215	N2XCH 05X1,5/1,5 SW	RE	12,1	0,7	25	0,21	168	14	375	95	283
011153	N2XCH 07X1,5/2,5 SW	RE	12,1	0,7	24	0,21	192	16	525	133	380
011154	N2XCH 07X2,5/2,5 SW	RE	7,41	0,7	32	0,36	216	18	875	200	480
011155	N2XCH 07X4/4 SW	RE	4,61	0,7	42	0,57	228	19	1400	315	650
011156	N2XCH 07X6/6 SW	RE	3,08	0,7	53	0,86	240	20	2100	470	850
011979	N2XCH 10X2,5/4 SW	RE	7,41	0,7	32	0,36	216	18	1250	286	550
011157	N2XCH 12X1,5/2,5 SW	RE	12,1	0,7	24	0,21	240	20	900	205	550
011158	N2XCH 12X2,5/4 SW	RE	7,41	0,7	32	0,36	252	21	1500	334	750
012458	N2XCH 14X1,5/2,5 SW	RE	12,1	0,7	24	0,21	211	17,6	1050	234	486
011980	N2XCH 21X2,5/10 SW	RE	7,41	0,7	32	0,36	276	23	2625	624	1050
011159	N2XCH 24X1,5/6 SW	RE	12,1	0,7	24	0,21	300	25	1800	413	950
011973	N2XCH 24X2,5/10 SW	RE	7,41	0,7	32	0,36	312	26	3000	696	1106
011160	N2XCH 30X1,5/6 SW	RE	12,1	0,7	24	0,21	324	27	2250	499	1100
011858	N2XCH 30X2,5/6 SW	RE	7,41	0,7	32	0,36	336	28	3750	840	1500
011161	N2XCH 30X2,5/10 SW	RE	7,41	0,7	32	0,36	360	30	3750	840	1500

R_l	conductor resistance
W_i	thickness of insulation
I_{bl}	ampacity (in air)
I_k	short circuit current (1 s)
R_{bv}	bending radius, fixed installation
D_A	outer diameter
F_{zv}	tensile strength (during installation)
Cu	copper
G	weight

FRNC power cable AFUMEX plus 1000 N2XH acc. to VDE 0276-604



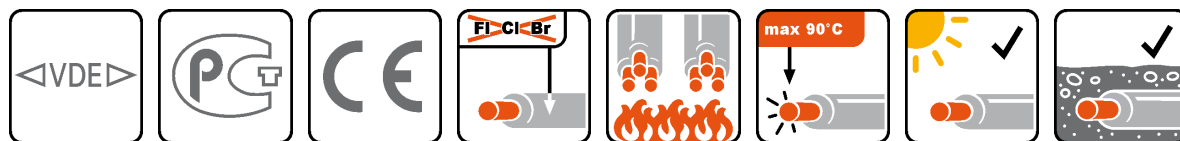
conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	XLPE
sheathing material:	special FRNC compound
colour of outer sheath:	black
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	12 x DA

	N2XH-J AFUMEX +1000	N2XH-O AFUMEX +1000
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
test voltage:	4 kV	4 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers	

Application: Low-smoke, zero-halogen flame retardant power cable. For fixed indoor and outdoor installation as well as in concrete, and for direct burial in ground in possibly flooded areas. The cable complies also with IEC 60501-1.

Additional information: AFUMEX is a brand of the Prysmian Group

Finnland: MCMK



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Table: Technical characteristics N2XH-J AFUMEX +1000

p/n	part name		R _i [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
013366	N2XH-J 03X1,5 AFU+	RE	12,1	24	31	0,21	144	12	43	179
013367	N2XH-J 03X2,5 AFU+	RE	7,41	32	40	0,36	156	13	72	225
013368	N2XH-J 03X4 AFU+	RE	4,61	42	52	0,57	168	14	115	291
013369	N2XH-J 03X6 AFU+	RE	3,08	53	64	0,86	180	15	173	371
013370	N2XH-J 03X10 AFU+	RE	1,83	74	86	1,43	192	16	288	523
013371	N2XH-J 03X16 AFU+	RE	1,15	98	112	2,29	240	20	461	773
013372	N2XH-J 03X25 AFU+	RM	0,727	133	145	3,58	264	22	720	1200
013373	N2XH-J 03X35 AFU+	SM	0,524	162	174	5,01	300	25	1008	1600
013374	N2XH-J 03X50 AFU+	SMv	0,387	197	206	7,15	312	26	1440	1800
013375	N2XH-J 03X25/16 AFU+	RM	0,727	133	145	3,58	288	24	874	1200

p/n	part name		R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
013376	N2XH-J 03X35/16 AFU+	SM	0,524	162	174	5,01	312	26	1162	1640
013377	N2XH-J 03X50/25 AFU+	SMv	0,387	197	206	7,15	384	32	1680	2200
013378	N2XH-J 03X70/35 AFU+	SMv	0,268	250	254	10,01	444	37	2352	2950
013379	N2XH-J 03X95/50 AFU+	SMv	0,193	308	305	13,59	492	41	3216	3900
013380	N2XH-J 03X120/70 AFU+	SMv	0,153	359	348	17,16	540	45	4128	4800
013381	N2XH-J 03X150/70 AFU+	SMv	0,124	412	392	21,45	588	49	4992	5750
013382	N2XH-J 03X185/95 AFU+	SMv	0,0991	475	444	26,46	660	55	6240	7200
013383	N2XH-J 03X240/120 AFU+	SMv	0,0754	564	517	34,32	744	62	8064	9150
013384	N2XH-J 04X1,5 AFU+	RE	12,1	24	31	0,21	156	13	58	208
013385	N2XH-J 04X2,5 AFU+	RE	7,41	32	40	0,36	168	14	96	265
013386	N2XH-J 04X4 AFU+	RE	4,61	42	52	0,57	180	15	154	352
013387	N2XH-J 04X6 AFU+	RE	3,08	53	64	0,86	192	16	230	454
013388	N2XH-J 04X10 AFU+	RE	1,83	74	86	1,43	216	18	384	647
013389	N2XH-J 04X16 AFU+	RE	1,15	98	112	2,29	240	20	614	964
013390	N2XH-J 04X25 AFU+	RM	0,727	133	145	3,58	312	26	960	1446
013391	N2XH-J 04X35 AFU+	SM	0,524	162	174	5,01	348	29	1344	1906
013392	N2XH-J 04X50 AFU+	SMv	0,387	197	206	7,15	384	32	1920	2530
013393	N2XH-J 04X70 AFU+	SMv	0,268	250	254	10,01	444	37	2688	3418
013394	N2XH-J 04X95 AFU+	SMv	0,193	308	305	13,59	492	41	3648	4574
013395	N2XH-J 04X120 AFU+	SMv	0,153	359	348	17,16	576	48	4608	5300
013396	N2XH-J 04X150 AFU+	SMv	0,124	412	392	21,45	600	50	5760	6350
013397	N2XH-J 04X185 AFU+	SMv	0,0991	475	444	26,46	636	53	7104	7800
013398	N2XH-J 04X240 AFU+	SMv	0,0754	564	517	34,32	696	58	9216	10300
013399	N2XH-J 05X1,5 AFU+	RE	12,1	24	31	0,21	168	14	72	243
013400	N2XH-J 05X2,5 AFU+	RE	7,41	32	40	0,36	180	15	120	310
013401	N2XH-J 05X4 AFU+	RE	4,61	42	52	0,57	192	16	192	413
013402	N2XH-J 05X6 AFU+	RE	3,08	53	64	0,57	204	17	288	536
013403	N2XH-J 05X10 AFU+	RE	1,83	74	86	0,86	228	19	480	776
013404	N2XH-J 05X16 AFU+	RE	1,15	98	112	2,29	264	22	768	1165
013405	N2XH-J 05X25 AFU+	RM	0,727	133	145	3,58	300	25	1200	1766
013406	N2XH-J 05X35 AFU+	RM	0,524	162	174	5,01	346	28,8	1680	2155
013407	N2XH-J 07X1,5 AFU+	RE	12,1	24	31	0,21	168	14	101	206
013411	N2XH-J 12X1,5 AFU+	RE	12,1	24	31	0,21	204	17	173	328
013412	N2XH-J 14X1,5 AFU+	RE	12,1	24	31	0,21	204	17	202	383
013413	N2XH-J 19X1,5 AFU+	RE	12,1	24	31	0,21	228	19	274	484
013414	N2XH-J 24X1,5 AFU+	RE	12,1	24	31	0,21	264	22	346	603
013417	N2XH-J 07X2,5 AFU+	RE	7,41	32	40	0,36	180	15	168	287
013419	N2XH-J 12X2,5 AFU+	RE	7,41	32	40	0,36	216	18	288	472
013420	N2XH-J 14X2,5 AFU+	RE	7,41	32	40	0,36	228	19	336	670
013424	N2XH-J 07X4 AFU+	RE	4,61	42	52	0,57	180	15	269	530
013428	N2XH-J 01X16 AFU+	RE	1,15	98	112	2,29	144	12	154	270
013429	N2XH-J 01X95 AFU+	RMv	0,193	308	305	13,59	240	20	912	1200
013430	N2XH-J 01X120 AFU+	RMv	0,153	380	349	17,16	264	22	1152	1250
013431	N2XH-J 01X185 AFU+	RMv	0,0991	507	445	21,45	312	26	1776	2200
013432	N2XH-J 01X240 AFU+	RMv	0,0754	604	517	34,32	348	29	2304	2750
013433	N2XH-J 04X25/16 AFU+	RM	0,727	133	145	3,58	314	26,1	1114	1539
013434	N2XH-J 04X35/16 AFU+	SM	0,524	162	174	5,01	353	29,4	1498	1965
013435	N2XH-J 04X50/25 AFU+	SMv	0,387	197	206	7,15	371	30,8	2160	2445
013436	N2XH-J 04X70/35 AFU+	SMv	0,268	250	254	10,01	416	34,6	3024	3342
013437	N2XH-J 04X185/95 AFU+	SMv	0,0991	475	444	21,45	634	52,8	8016	8508

Table: Technical characteristics N2XH-O AFUMEX +1000

p/n	part name		R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
013326	N2XH-O 01X1,5 AFU+	RE	12,1	26	33	0,21			14,4	53
013329	N2XH-O 01X4 AFU+	RE	4,61	44	54	0,57	135	9	38	140
013330	N2XH-O 01X6 AFU+	RE	3,08	56	67	0,86	150	10	58	160
013331	N2XH-O 01X10 AFU+	RE	1,83	77	89	1,43	165	11	96	210
013332	N2XH-O 01X16 AFU+	RE	1,15	102	115	2,29	180	12	154	270

p/n	part name		R_l [Ω/km]	I_{bl} [A]	I_{be} [A]	I_k [kA]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
013333	N2XH-O 01X25 AFU+	RM	0,727	138	148	3,58	210	14	240	380
013334	N2XH-O 01X35 AFU+	RM	0,524	170	177	5,01	225	15	336	490
013335	N2XH-O 01X50 AFU+	RMv	0,387	207	209	7,15	240	16	480	620
013336	N2XH-O 01X70 AFU+	RMv	0,268	263	256	10,01	270	18	672	830
013337	N2XH-O 01X95 AFU+	RMv	0,193	325	307	13,59	300	20	912	1200
013338	N2XH-O 01X120 AFU+	RMv	0,153	380	349	17,16	330	22	1152	1250
013339	N2XH-O 01X150 AFU+	RMv	0,124	437	393	21,45	360	24	1440	1700
013340	N2XH-O 01X185 AFU+	RMv	0,0991	507	445	26,46	390	26	1776	2200
013341	N2XH-O 01X240 AFU+	RMv	0,0754	604	517	34,32	435	29	2304	2750
013342	N2XH-O 01X300 AFU+	RMv	0,0601	697	583	42,9	450	30	2880	3300
013343	N2XH-O 01X400 AFU+	RMv	0,047	811	663	57,2	480	32	3840	4420
013347	N2XH-O 03X1,5 AFU+	RE	12,1	24	31	0,21	144	12	43	179
013349	N2XH-O 03X2,5 AFU+	RE	7,41	32	40	0,36	156	13	72	225
013350	N2XH-O 02X4 AFU+	RE	4,61	42	52	0,57	156	13	77	270
013351	N2XH-O 02X6 AFU+	RE	3,08	53	64	0,86	168	14	115	340
013352	N2XH-O 02X10 AFU+	RE	1,83	74	86	1,43	192	16	192	450
013353	N2XH-O 02X16 AFU+	RE	1,15	98	112	2,29	216	18	307	600
013354	N2XH-O 02X25 AFU+	RM	0,727	133	145	3,58	276	23	480	980
013355	N2XH-O 04X4 AFU+	RE	4,61	42	52	0,57	180	15	154	352
013356	N2XH-O 04X6 AFU+	RE	3,08	53	64	0,86	192	16	230	454
013357	N2XH-O 04X10 AFU+	RE	1,83	74	86	1,43	216	18	384	647
013358	N2XH-O 04X16 AFU+	RE	1,15	98	112	2,29	240	20	614	964
013359	N2XH-O 04X25 AFU+	RM	0,727	133	145	3,58	312	26	960	1446
013360	N2XH-O 04X35 AFU+	SM	0,524	162	174	5,01	348	29	1344	1906
013361	N2XH-O 04X50 AFU+	SMv	0,387	197	206	7,15	384	32	1920	2530
013362	N2XH-O 04X70 AFU+	SMv	0,268	250	254	10,01	444	37	2688	3418
013363	N2XH-O 04X95 AFU+	SMv	0,193	308	305	13,59	492	41	3648	4574
013364	N2XH-O 04X120 AFU+	SMv	0,153	359	348	17,16	576	48	4608	5300

RI	conductor resistance
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

FRNC power cable AFUMEX plus 1000 N2XCH acc. to VDE 0276-604

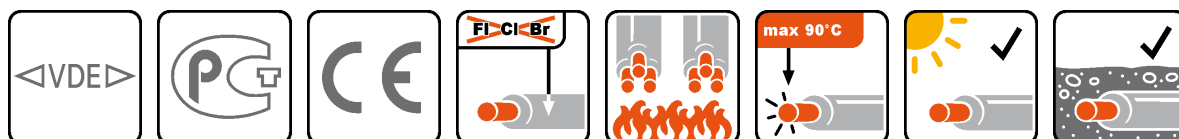


conductor material: bare copper
conductor construction: class 1, from 25 sqmm class 2
insulation: XLPE
concentric conductor: Cu
sheathing material: special FRNC compound
colour of outer sheath: black
flame retardant: VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density: DIN EN 61034/IEC 61034
halogen free: DIN EN 50267/IEC 60754
maximum temperature at conductor: 90 °C

nominal voltage U₀: 600 V
nominal voltage U: 1 kV
maximum permitted operating voltage in 3-phase systems: 1,2 kV
test voltage: 4 kV

Application: Low-smoke, zero-halogen flame retardant power cable. For fixed indoor and outdoor installation as well as in concrete, and for direct burial in ground in possibly flooded areas.

Additional information: AFUMEX is a brand of the Prysmian Group



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Table: Technical characteristics N2XCH AFUMEX+1000

p/n	part name		R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
013439	N2XCH 02X1,5/1,5 AFU+	RE	12,1	24	31	0,21	144	12	52	250
013440	N2XCH 02X2,5/2,5 AFU+	RE	7,41	32	40	0,36	144	12	80	280
013441	N2XCH 02X4/4 AFU+	RE	4,61	42	52	0,57	168	14	123	320
013443	N2XCH 02X10/10 AFU+	RE	1,83	74	86	1,43	204	17	312	550
013444	N2XCH 02X16/16 AFU+	RE	1,15	98	112	2,29	323	19	489	780
013445	N2XCH 03X1,5/1,5 AFU+	RE	12,1	24	31	0,21	144	12	66	250
013446	N2XCH 03X2,5/2,5 AFU+	RE	7,41	32	40	0,36	156	13	104	320
013447	N2XCH 03X4/4 AFU+	RE	4,61	42	52	0,57	168	14	161	400
013448	N2XCH 03X6/6 AFU+	RE	3,08	53	64	0,86	192	16	240	500
013449	N2XCH 03X10/10 AFU+	RE	1,83	74	86	1,43	216	18	408	750
013450	N2XCH 03X16/16 AFU+	RE	1,15	98	112	2,29	252	21	643	1000
013451	N2XCH 03X25/16 AFU+	RM	0,727	133	145	3,58	288	24	902	1600
013452	N2XCH 03X35/16 AFU+	SM	0,524	162	174	5,01	324	27	1190	1900
013453	N2XCH 03X50/25 AFU+	SMv	0,387	197	206	7,15	360	30	1723	2400
013454	N2XCH 03X70/35 AFU+	SMv	0,268	250	254	10,01	408	34	2410	2615
013455	N2XCH 03X95/50 AFU+	SMv	0,193	308	305	13,59	458	38,1	3296	3636

p/n	part name		R_l [Ω/km]	I_{bl} [A]	I_{be} [A]	I_k [kA]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
013456	N2XCH 03X120/70 AFU+	SMv	0,153	359	348	17,16	510	42,5	4236	4606
013457	N2XCH 03X150/70 AFU+	SMv	0,124	412	392	21,45	564	47	5100	5552
013458	N2XCH 03X185/95 AFU+	SMv	0,0991	475	444	26,46	600	50	6383	6680
013459	N2XCH 03X240/120 AFU+	SMv	0,0754	564	517	34,32	686	57,1	8242	8964
013460	N2XCH 04X1,5/1,5 AFU+	RE	12,1	24	31	0,21	156	13	81	235
013461	N2XCH 04X2,5/2,5 AFU+	RE	7,41	32	40	0,36	168	14	128	302
013462	N2XCH 04X4/4 AFU+	RE	4,61	42	52	0,57	180	15	200	411
013463	N2XCH 04X6/6 AFU+	RE	3,08	53	64	0,86	204	17	297	527
013464	N2XCH 04X10/10 AFU+	RE	1,83	74	86	1,43	228	19	504	762
013465	N2XCH 04X16/16 AFU+	RE	1,15	98	112	2,29	264	22	796	1139
013466	N2XCH 04X25/16 AFU+	RM	0,727	133	145	3,58	324	27	1142	1634
013467	N2XCH 04X35/16 AFU+	SM	0,524	162	174	5,01	348	29	1526	2080
013468	N2XCH 04X50/25 AFU+	SMv	0,387	197	206	7,15	396	33	2203	2790
013469	N2XCH 04X70/35 AFU+	SMv	0,268	250	254	10,01	533	41	3082	3550
013470	N2XCH 04X95/50 AFU+	SMv	0,193	308	305	13,59	552	46	4208	4800
013471	N2XCH 04X120/70 AFU+	SMv	0,153	359	348	17,16	600	50	5388	6556
013472	N2XCH 04X150/70 AFU+	SMv	0,124	412	392	21,45	660	55	6540	7904
013473	N2XCH 04X185/95 AFU+	SMv	0,0991	475	444	26,46	744	62	8159	9950
013474	N2XCH 04X240/120 AFU+	SMv	0,0754	564	517	34,32	816	68	10546	12912

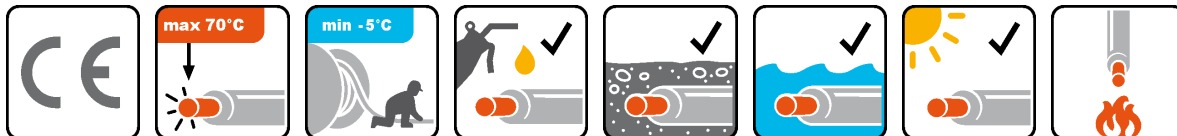
RI	conductor resistance
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

Power cable (N)YYök-J



conductor material:	bare copper
insulation:	PVC YI4
sheathing material:	PVC YM3
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV

Application: Energy distribution cable. For fixed installation inside of buildings, for direct burial in earth, in water as well as in concrete, designed for power supply and control of oil and fuel pumps. The resistance against oil and fuel is proofed by BAM-test report VI. 34/10389/96 and tests acc. to VDE 0472 p. 803, Test B.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics (N)YYök-J

p/n	part name		R _I [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
011125	(N)YYÖEK-J 03X1,5 SW	RE	12,1	19	27	0,17	0,343	135,6	11,3	225	43	190
011126	(N)YYÖEK-J 05X1,5 SW	RE	12,1	19	27	0,17	0,375	159,6	13,3	375	72	270
011127	(N)YYÖEK-J 07X1,5 SW	RE	12,1	19	27	0,17		171,6	14,3	525	101	300

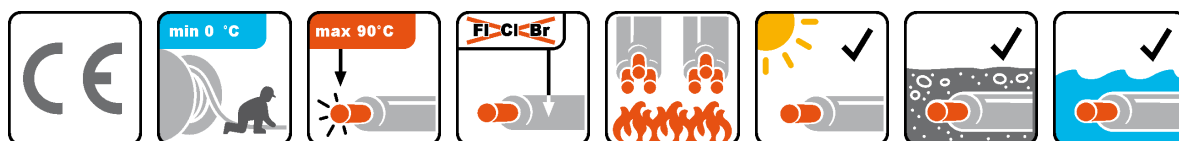
R _I	conductor resistance
I _{bl}	ampacity (in air)
I _{be}	ampacity (in ground)
I _k	short circuit current (1 s)
L _b	specific inductivity
R _{bv}	bending radius, fixed installation
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

FRNC power cable Cu/XLPE/ LSZH/SWA/LSZH acc. to BS 6724



conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE
sheathing material:	FRNC-compound HM1
colour of outer sheath:	black
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	90 °C
temperature, moved/during installation:	0 - 90 °C
bending radius, fixed installation:	6 x DA
bending radius, moved application:	12 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV

Application: Distribution cable for industry constructions and switching boxes. For fixed installation inside of buildings, direct burial in earth, in water as well as in concrete and for heavy-duty mechanical load.



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Table: Technical characteristics Cu/XLPE/LSZH/SWA/LSZH

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
013048	Cu/XLPE/LSZH/AWA/ LSZH 01X50 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,387	222	231	17,5	480	708
012969	Cu/XLPE/LSZH/AWA/ LSZH 01X70 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,268	285	284	20,2	680	970
013049	Cu/XLPE/LSZH/AWA/ LSZH 01X95 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,193	346	340	22,3	930	1240
013323	Cu/XLPE/LSZH/AWA/ LSZH 01X120 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,153	402	386	24,2	1180	1510

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
013069	Cu/XLPE/LSZH/AWA/ LSZH 01X150 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,124	463	431	27,4	1440	1888
013603	Cu/XLPE/LSZH/AWA/ LSZH 01X185 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,0991	529	485	30	1820	2330
013208	Cu/XLPE/LSZH/AWA/ LSZH 01X240 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,0754	625	558	32,8	2380	2900
013070	Cu/XLPE/LSZH/AWA/ LSZH 01X300 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,0601	720	623	35,6	2990	3482
013071	Cu/XLPE/LSZH/AWA/ LSZH 01X500 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,0366	918	765	44,2	4800	5666
013525	Cu/XLPE/LSZH/SWA/LSZH 02X1,5 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	12,1	29	38	12,3	29	300
012952	Cu/XLPE/LSZH/SWA/LSZH 03X1,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	12,1	25	32	12,8	43,2	341
012698	Cu/XLPE/LSZH/SWA/LSZH 03G1,5 RM 0,6/1 kV SW Adern: braun, blau, gn-ge (BS 6724)	12,1	29	38	12,8	43,2	341
013114	Cu/XLPE/LSZH/SWA/LSZH 04X1,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	12,1	25	32	13,5	57,6	390
013115	Cu/XLPE/LSZH/SWA/LSZH 05X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	25	32	14,2	72	433
012699	Cu/XLPE/LSZH/SWA/ LSZH 05G1,5 RM 0,6/1 kV SW Adern: braun,schwarz,grau,blau,gnge 6724)	12,1	25	32	14,2	72	433
012818	Cu/XLPE/LSZH/SWA/LSZH 07X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	25	32	19,4	101	854
012656	Cu/XLPE/LSZH/SWA/LSZH 12X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	25	32	19,4	173	854
013005	Cu/XLPE/LSZH/SWA/LSZH 19X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	25	32	22,2	274	1120
013284	Cu/XLPE/LSZH/SWA/LSZH 27X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	25	32	27,9	389	1630
013285	Cu/XLPE/LSZH/SWA/LSZH 37X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	25	32	30,6	532,8	1970

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
013166	Cu/XLPE/LSZH/SWA/LSZH 02X2,5 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	7,41	39	49	13,6	48	360
012655	Cu/XLPE/LSZH/SWA/LSZH 03X2,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	7,41	33	32	14,1	72	405
012819	Cu/XLPE/LSZH/SWA/LSZH 03G2,5 RM 0,6/1 kV SW Adern: braun, blau, gn-ge (BS 6724)	7,41	39	49	14,1	72	390
012659	Cu/XLPE/LSZH/SWA/LSZH 04X2,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	7,41	33	42	15,1	96	465
013564	Cu/XLPE/LSZH/SWA/LSZH 04G2,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau, gn-ge (BS 6724)	7,41	33	42	15,1	96	465
013526	Cu/XLPE/LSZH/SWA/LSZH 04G1,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau, gn-ge (BS 6724)	12,1	25	32	13,5	57,6	390
012660	Cu/XLPE/LSZH/SWA/LSZH 05X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	33	42	16,1	120	530
012820	Cu/XLPE/LSZH/SWA/ LSZH 05G2,5 RM 0,6/1 kV SW Adern: braun,schwarz,grau,blau,gnge 6724)	7,41	33	42	16,1	120	507
013283	Cu/XLPE/LSZH/SWA/LSZH 07X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	33	42	17,1	168	618
012821	Cu/XLPE/LSZH/SWA/LSZH 12X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	33	42	22,4	288	1024
012822	Cu/XLPE/LSZH/SWA/LSZH 19X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	33	42	26,1	456	1515
013073	Cu/XLPE/LSZH/SWA/LSZH 27X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	33	42	29,3	648	1887
012872	Cu/XLPE/LSZH/SWA/LSZH 48X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	33	42	38,8	1152	3430
012537	Cu/XLPE/LSZH/SWA/LSZH 02X4 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	4,61	52	65	14,7	77	420
012661	Cu/XLPE/LSZH/SWA/LSZH 03X4 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	4,61	44	55	15,3	115,2	495
013596	Cu/XLPE/LSZH/SWA/LSZH 03G4 RM 0,6/1 kV SW Adern: braun, blau, gn-ge (BS 6724)	4,61	52	65	15,3	115,2	495
012953	Cu/XLPE/LSZH/SWA/LSZH 04X4 RM 0,6/1 kV SW	4,61	44	55	16,4	154	579

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
	Adern: braun, schwarz, grau, blau (BS 6724)						
013565	Cu/XLPE/LSZH/SWA/LSZH 04G4 RM 0,6/1 kV SW Adern: braun, schwarz, grau, gn-ge (BS 6724)	4,61	44	55	16,4	154	579
012662	Cu/XLPE/LSZH/SWA/LSZH 05X4 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	4,61	44	55	18,4	192	775
013597	Cu/XLPE/LSZH/ SWA/LSZH 05G4 RM 0,6/1 kV SW Adern: braun,schwarz,grau,blau,gnge 6724)	4,61	44	55	18,4	192	775
013192	Cu/XLPE/LSZH/SWA/LSZH 07X4 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	4,61	44	55	19,7	269	907
013193	Cu/XLPE/LSZH/SWA/LSZH 12X4 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	4,61	44	55	27,7	461	1550
013196	Cu/XLPE/LSZH/SWA/LSZH 19X4 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	4,61	44	55	29,3	730	2050
012538	Cu/XLPE/LSZH/SWA/LSZH 02X6 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	3,08	66	81	15,9	115,2	500
012663	Cu/XLPE/LSZH/SWA/LSZH 03X6 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	3,08	56	69	16,6	173	600
013637	Cu/XLPE/LSZH/SWA/LSZH 03G6 RM 0,6/1 kV SW Adern: braun, blau, gn-ge (BS 6724)	3,08	66	81	16,6	173	600
012664	Cu/XLPE/LSZH/SWA/LSZH 04X6 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	3,08	56	69	18,7	230,4	820
013639	Cu/XLPE/LSZH/SWA/LSZH 04G6 RM 0,6/1 kV SW Adern: braun, schwarz, grau, gn-ge (BS 6724)	3,08	56	69	18,7	230,4	820
012665	Cu/XLPE/LSZH/SWA/LSZH 05X6 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	3,08	56	69	19,7	288	929
013598	Cu/XLPE/LSZH/ SWA/LSZH 05G6 RM 0,6/1 kV SW Adern: braun,schwarz,grau,blau,gnge 6724)	3,08	56	69	19,7	288	929
013072	Cu/XLPE/LSZH/SWA/LSZH 06X6 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	3,08	56	69	19,3	345,6	910
013194	Cu/XLPE/LSZH/SWA/LSZH 07X6 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	3,08	56	69	21,3	404	1110
013167	Cu/XLPE/LSZH/SWA/LSZH 02X10 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	1,83	90	109	18	192	650

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
012742	Cu/XLPE/LSZH/SWA/LSZH 02X10 RM 0,6/1 kV SW Adern: schwarz, rot (BS 6724)	1,83	90	109	18,1	192	650
012823	Cu/XLPE/LSZH/SWA/LSZH 03X10 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	1,83	78	92	19,5	288	866
013638	Cu/XLPE/LSZH/SWA/LSZH 03G10 RM 0,6/1 kV SW Adern: braun, blau, gn-ge (BS 6724)	1,83	90	109	19,5	288	866
012690	Cu/XLPE/LSZH/SWA/LSZH 04X10 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	1,83	78	92	21,1	384	1090
013566	Cu/XLPE/LSZH/SWA/LSZH 04G10 RM 0,6/1 kV SW Adern: braun, schwarz, grau, gn-ge (BS 6724)	1,83	78	92	16,4	384	579
012666	Cu/XLPE/LSZH/SWA/LSZH 05X10 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	1,83	78	92	23,2	480	1300
013168	Cu/XLPE/LSZH/SWA/LSZH 02X16 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	1,15	115	141	20	307,2	910
012743	Cu/XLPE/LSZH/SWA/LSZH 02X16 RM 0,6/1 kV SW Adern: schwarz, rot (BS 6724)	1,15	115	141	20,1	307,2	910
012667	Cu/XLPE/LSZH/SWA/LSZH 03X16 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	1,15	99	119	21,2	460,8	1080
013563	Cu/XLPE/LSZH/SWA/LSZH 03G16 RM 0,6/1 kV SW Adern: braun, blau, gn-ge (BS 6724)	1,15	115	141	21,2	460,8	1080
012772	Cu/XLPE/LSZH/SWA/LSZH 04X16 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	1,15	99	119	22,9	614,4	1400
012668	Cu/XLPE/LSZH/SWA/LSZH 05X16 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	1,15	99	119	26,6	768	1880
013599	Cu/XLPE/LSZH/SWA/ LSZH 05G16 RM 0,6/1 kV SW Adern: braun,schwarz,grau,blau,gnge 6724)	1,15	99	119	19,7	768	928
013281	Cu/XLPE/LSZH/SWA/LSZH 02X25 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	0,727	131	183	24,1	500	1060
012669	Cu/XLPE/LSZH/SWA/LSZH 03X25 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,727	131	152	23,3	750	1750
012856	Cu/XLPE/LSZH/SWA/LSZH 04X25 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,727	131	152	28,9	1000	2100
012670	Cu/XLPE/LSZH/SWA/LSZH 05X25 RM 0,6/1 kV SW	0,727	131	152	31,7	1200	2670

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
	nummerierte weisse Adern (BS 6724)						
013600	Cu/XLPE/LSZH/SWA/ LSZH 05G25 RM 0,6/1 kV SW Adern: braun,schwarz,grau,blau,gnge 6724)	0,727	131	152	24,1	1200	2670
013282	Cu/XLPE/LSZH/SWA/LSZH 02X35 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	0,524	188	219	27,9	680	1480
012824	Cu/XLPE/LSZH/SWA/LSZH 03X35 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,524	162	182	29,6	1020	2060
013573	Cu/XLPE/LSZH/SWA/LSZH 03X50 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,387	197	217	28,5	1440	2350
013265	Cu/XLPE/LSZH/SWA/LSZH 03X50 RM 0,6/1 kV SW Adern: rot, gelb, blau (BS 6724)	0,387	197	217	28,5	1440	2350
012825	Cu/XLPE/LSZH/SWA/LSZH 03X70 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,268	251	266	32,2	2040	3118
013574	Cu/XLPE/LSZH/SWA/LSZH 03X150 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,124	406	406	45,5	4320	6720
012539	Cu/XLPE/LSZH/SWA/LSZH 04X35 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,524	162	182	32,1	1360	2580
012671	Cu/XLPE/LSZH/SWA/LSZH 05X35 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,524	162	182	33,1	1680	3738
013601	Cu/XLPE/LSZH/SWA/ LSZH 05G35 RM 0,6/1 kV SW Adern: braun,schwarz,grau,blau,gnge 6724)	0,524	162	182	33,1	1680	3738
012540	Cu/XLPE/LSZH/SWA/LSZH 04X50 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,387	197	217	32	1920	3000
012672	Cu/XLPE/LSZH/SWA/LSZH 05X50 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,387	197	217		2400	5340
013602	Cu/XLPE/LSZH/SWA/ LSZH 05G50 RM 0,6/1 kV SW Adern: braun,schwarz,grau,blau,gnge 6724)	0,387	197	217		2400	5340
012773	Cu/XLPE/LSZH/SWA/LSZH 04X70 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,268	251	217	37,7	2720	4300
012673	Cu/XLPE/LSZH/SWA/LSZH 05X70 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,268	251	217	45	3360	6000
013202	Cu/XLPE/LSZH/SWA/LSZH 03X95 RM 0,6/1 kV SW	0,193	304	319	37	2790	4300

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
	Adern: braun, schwarz, grau (BS 6724)						
012774	Cu/XLPE/LSZH/SWA/LSZH 04X95 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,193	304	319	41,7	3720	5510
013191	Cu/XLPE/LSZH/SWA/LSZH 05X95 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,193	304	319	50,7	4560	7311
012775	Cu/XLPE/LSZH/SWA/LSZH 04X120 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,153	353	363	47,1	4720	7150
014242	Cu/XLPE/LSZH/SWA/LSZH 04G120 RM 0,6/1 kV SW Adern: braun, schwarz, grau, gn-ge (BS 6724)	0,153	353	363	47,1	4720	7150
013236	Cu/XLPE/LSZH/SWA/LSZH 05X120 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,153	353	363	51	5760	8900
012857	Cu/XLPE/LSZH/SWA/LSZH 04X150RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,124	406	406	51,4	5760	8500
013237	Cu/XLPE/LSZH/SWA/LSZH 05X150 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,124	406	406	54,1	7200	11500
012674	Cu/XLPE/LSZH/SWA/LSZH 02X185 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	0,0991	359	547	44,7	3640	5800
012675	Cu/XLPE/LSZH/SWA/LSZH 03X185 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,0991	463	547	49,8	5460	8040
013153	Cu/XLPE/LSZH/SWA/LSZH 03X240 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,0754	546	529	55,1	7140	10150
012776	Cu/XLPE/LSZH/SWA/LSZH 04X185 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,0991	463	458	56,6	7280	10300
012858	Cu/XLPE/LSZH/SWA/LSZH 04X240RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,0754	546	529	63	9520	13000
012676	Cu/XLPE/LSZH/SWA/LSZH 03X300 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,0601	628	591	60,2	8970	12320
012859	Cu/XLPE/LSZH/SWA/LSZH 04X300RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,0601	628	591	68,8	11960	15750

The current rating is calculated for air temperature of 30 °C and ground temperature of 15 °C.

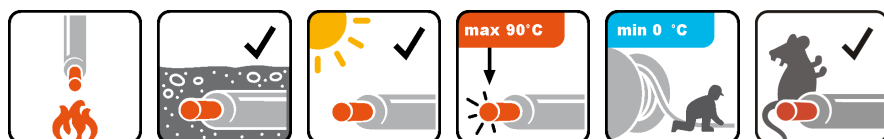
RI	conductor resistance
I _{bl}	ampacity (in air)
I _{be}	ampacity (in ground)
DA	outer diameter
Cu	copper
G	weight

Power cable Cu/XLPE/PVC/ SWA/PVC acc. to BS 5467



conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE
armour:	round steel wire, galvanized
sheathing material:	PVC
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	90 °C
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during installation:	0 - 70 °C
bending radius, fixed installation:	8 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	3,5 kV
protective conductor:	no

Application: Distribution cable for industry constructions and switching boxes. For fixed installation inside of buildings, direct burial in earth, in water as well as in concrete and for heavy-duty mechanical load.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics BS 5467 Cu/XLPE/PVC/SWA/PVC

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
012746	Cu/XLPE/PVC/AWA/PVC 01X16 RM 0,6/1 kV SW core: brown / sheath: black	1,15	92	108	13,9	154	455
012747	Cu/XLPE/PVC/AWA/PVC 01X25 RM 0,6/1 kV SW core: brown / sheath: black	0,727	123	139	11,6	240	710
012758	Cu/XLPE/PVC/AWA/PVC 01X25 RM 0,6/1 kV SW core: black / sheath: black	0,727	123	139	11,6	240	710
012700	Cu/XLPE/PVC/AWA/PVC 01X35 RM 0,6/1 kV SW core: blau / sheath: black	0,524	146	165		336	496
012748	Cu/XLPE/PVC/AWA/PVC 01X35 RM 0,6/1 kV SW core: brown / sheath: black	0,524	146	165	14,9	336	625

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
012701	Cu/XLPE/PVC/AWA/PVC 01X50 RM 0,6/1 kV SW core: brown / sheath: black	0,387	180	199	17,5	480	708
012749	Cu/XLPE/PVC/AWA/PVC 01X70 RM 0,6/1 kV SW core: brown / sheath: black	0,268	230	244	20,2	680	970
012998	Cu/XLPE/PVC/AWA/PVC 01X95 RM 0,6/1 kV SW core: brown / sheath: black	0,193	226	274	22,3	930	1240
012740	Cu/XLPE/PVC/AWA/PVC 01X120 RM 0,6/1 kV SW core: brown / sheath: black	0,153	328	332	24,2	1180	1510
012693	Cu/XLPE/PVC/AWA/PVC 01X150 RM 0,6/1 kV SW core: brown / sheath: black	0,124	377	371	24,1	1440	1930
012718	Cu/XLPE/PVC/AWA/PVC 01X185 RM 0,6/1 kV SW core: brown / sheath: black	0,0991	433	417	30,1	1820	2330
012649	Cu/XLPE/PVC/AWA/PVC 01X240 RM 0,6/1 kV SW core: brown / sheath: black	0,0754	510	480	32,8	2380	2900
013085	Cu/XLPE/PVC/AWA/PVC 01X300 RM 0,6/1 kV SW core: brown / sheath: black	0,0601			35,6	2990	3530
012644	Cu/XLPE/PVC/AWA/PVC 01X400 RM 0,6/1 kV SW core: black	0,047	664	594	36,4	3840	4690
012719	Cu/XLPE/PVC/AWA/PVC 01X630 RM 0,6/1 kV SW core: brown / sheath: black	0,0283	846	723	44,3	6170	7150
013000	Cu/XLPE/PVC/AWA/PVC 01X16 RM 0,6/1 kV SW core: black	1,15	92	108	13,9	154	455
012873	Cu/XLPE/PVC/SWA/PVC 01X16 RM 0,6/1 kV SW cores: bn / sheath: bk	1,15	92	108	13,9	154	455
012874	Cu/XLPE/PVC/SWA/PVC 01X25 RM 0,6/1 kV SW cores: bn / sheath: bk	0,727	123	139	11,6	240	710
012875	Cu/XLPE/PVC/SWA/PVC 01X25 RM 0,6/1 kV SW cores: bk / sheath: bk	0,727	123	139	11,6	240	710
012876	Cu/XLPE/PVC/SWA/PVC 01X35 RM 0,6/1 kV SW cores: bn / sheath: bk	0,524	146	165	14,9	336	625
012999	Cu/XLPE/PVC/SWA/PVC 01X35 RM 0,6/1 kV SW cores: bk	0,524	146	165	14,9	336	496
012877	Cu/XLPE/PVC/SWA/PVC 01X50 RM 0,6/1 kV SW cores: bn / sheath: bk	0,387	180	199	14,5	480	708
012878	Cu/XLPE/PVC/SWA/PVC 01X70 RM 0,6/1 kV SW cores: bn / sheath: bk	0,268	230	244	20,2	680	970
012879	Cu/XLPE/PVC/SWA/PVC 01X95 RM 0,6/1 kV SW cores: bn / sheath: bk	0,193	226	274	22,3	930	1240
012880	Cu/XLPE/PVC/SWA/PVC 01X120 RM 0,6/1 kV SW cores: bn / sheath: bk	0,153	328	332	24,2	1180	1510
012881	Cu/XLPE/PVC/SWA/PVC 01X150 RM 0,6/1 kV SW cores: bn / sheath: bk	0,124	377	371	27,4	1440	1930
013086	Cu/XLPE/PVC/SWA/PVC 01X185 RM 0,6/1 kV SW cores: bn / sheath: bk	0,0991	433	417	28,3	1820	2675

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
013087	Cu/XLPE/PVC/SWA/PVC 01X240 RM 0,6/1 kV SW cores: bn / sheath: bk	0,0754	510	480	31,2	2380	3309
013088	Cu/XLPE/PVC/SWA/PVC 01X300 RM 0,6/1 kV SW cores: bn / sheath: bk	0,0601			33,2	2990	3951
013527	Cu/XLPE/PVC/AWA/PVC 01X400 RM 0,6/1 kV SW core: brown / sheath: black				36,4	3840	4690
012926	Cu/XLPE/PVC/SWA/PVC 04X0,5 RM 0,6/1 kV SW cores: bn, bk, gy, bu				10,1	48	152
012572	Cu/XLPE/PVC/SWA/PVC 02X1,5 RM 0,6/1 kV SW cores: bn, bu	12,1	27	33	12,3	29	300
012574	Cu/XLPE/PVC/SWA/PVC 03X1,5 RM 0,6/1 kV SW cores: bn, bk, gy	12,1	22	28	12,8	43,2	341
012850	Cu/XLPE/PVC/SWA/PVC 04X1,5 RM 0,6/1 kV SW cores: bn, bk, gy, bu	12,1	22	28	13,5	57,6	390
012791	Cu/XLPE/PVC/SWA/PVC 05X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	14,2	72	433
012720	Cu/XLPE/PVC/SWA/PVC 07X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	15,2	101	506
013309	Cu/XLPE/PVC/SWA/PVC 08X1,5 RM 0,6/1 kV SW numbered white cores				17,6	115,2	663
012751	Cu/XLPE/PVC/SWA/PVC 10X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	19,8	144	812
012721	Cu/XLPE/PVC/SWA/PVC 12X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	19,4	173	854
013089	Cu/XLPE/PVC/SWA/PVC 16X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	21,9	233	930
013015	Cu/XLPE/PVC/SWA/PVC 19X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	23,2	274	1120
013090	Cu/XLPE/PVC/SWA/PVC 24X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	25,1	346	1273
012722	Cu/XLPE/PVC/SWA/PVC 27X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	27,9	389	1630
013195	Cu/XLPE/PVC/SWA/PVC 30X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	28,5	433	1730
013151	Cu/XLPE/PVC/SWA/PVC 37X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	30,6	532,8	1970
012968	Cu/XLPE/PVC/SWA/PVC 48X1,5 RM 0,6/1 kV SW numbered white cores	12,1	22	28	33,9	691,2	2390
012787	Cu/XLPE/PVC/SWA/PVC 02X2,5 RM 0,6/1 kV SW cores: bn, bu	7,41	32	42	13,6	48	360
012575	Cu/XLPE/PVC/SWA/PVC 03X2,5 RM 0,6/1 kV SW cores: bn, bk, gy	7,41	29	36	14,1	72	405
012571	Cu/XLPE/PVC/SWA/PVC 04X2,5 RM 0,6/1 kV SW cores: bn, bk, gy, bu	7,41	29	36	15	96	465

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
012645	Cu/XLPE/PVC/SWA/PVC 05X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	16	120	530
012807	Cu/XLPE/PVC/SWA/PVC 07X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	17,1	168	618
012752	Cu/XLPE/PVC/SWA/PVC 08X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	18,8	192	793
012866	Cu/XLPE/PVC/SWA/PVC 10X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	21,4	240	989
012753	Cu/XLPE/PVC/SWA/PVC 12X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	22,4	288	1080
012646	Cu/XLPE/PVC/SWA/PVC 16X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	25	384	1430
012867	Cu/XLPE/PVC/SWA/PVC 19X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	26,1	456	1570
012637	Cu/XLPE/PVC/SWA/PVC 27X2,5 RM 0,6/1 kV SW cores: wh, with bk numbers	7,41	29	36	30,7	648	1830
012868	Cu/XLPE/PVC/SWA/PVC 37X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	33,8	888	2540
012869	Cu/XLPE/PVC/SWA/PVC 48X2,5 RM 0,6/1 kV SW numbered white cores	7,41	29	36	38,8	1152	3430
012702	Cu/XLPE/PVC/SWA/PVC 02X4 RM 0,6/1 kV SW cores: bn, bu	4,61	43	56	14,7	77	420
012576	Cu/XLPE/PVC/SWA/PVC 03X4 RM 0,6/1 kV SW cores: bn, bk, gy	4,61	37	47	15,3	115,2	495
012579	Cu/XLPE/PVC/SWA/PVC 04X4 RM 0,6/1 kV SW cores: bn, bk, gy, bu	4,61	37	47	16,4	154	579
012804	Cu/XLPE/PVC/SWA/PVC 05X4 RM 0,6/1 kV SW numbered white cores	4,61	37	47	18,4	192	775
012870	Cu/XLPE/PVC/SWA/PVC 07X4 RM 0,6/1 kV SW numbered white cores	4,61	37	47	19,7	269	907
012871	Cu/XLPE/PVC/SWA/PVC 19X4 RM 0,6/1 kV SW numbered white cores	4,61	37	47	29,3	730	2050
012703	Cu/XLPE/PVC/SWA/PVC 02X6 RM 0,6/1 kV SW cores: bn, bu	3,08	55	70	15,9	115,2	500
012577	Cu/XLPE/PVC/SWA/PVC 03X6 RM 0,6/1 kV SW cores: bn, bk, gy	3,08	46	59	16,6	173	600
012754	Cu/XLPE/PVC/SWA/PVC 04X6 RM 0,6/1 kV SW cores: bn, bk, gy, bu	3,08	46	59	18,7	231	820
012682	Cu/XLPE/PVC/SWA/PVC 05X6 RM 0,6/1 kV SW numbered white cores	3,08	46	59	19,7	288	929
013300	Cu/XLPE/PVC/SWA/PVC 07X6 RM 0,6/1 kV SW numbered white cores				21,3	403,2	1110
012573	Cu/XLPE/PVC/SWA/PVC 02X10 RM 0,6/1 kV SW cores: bn, bu	1,83	77	94	18	192	650

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
012532	Cu/XLPE/PVC/SWA/PVC 03X10 RM 0,6/1 kV SW cores: bn, bk, gy	1,83	65	79	19,5	288	900
012598	Cu/XLPE/PVC/SWA/PVC 04X10 RM 0,6/1 kV SW cores: bn, bk, gy, bu	1,83	65	79	21,1	384	1090
012851	Cu/XLPE/PVC/SWA/PVC 05X10 RM 0,6/1 kV SW numbered white cores	1,83	65	79	23,2	480	1300
012832	Cu/XLPE/PVC/SWA/PVC 02X16 RM 0,6/1 kV SW cores: bn, bu	1,15	98	121	17	307,2	910
012578	Cu/XLPE/PVC/SWA/PVC 03X16 RM 0,6/1 kV SW cores: bn, bk, gy	1,15	83	102	21,2	461	1080
012677	Cu/XLPE/PVC/SWA/PVC 04X16 RM 0,6/1 kV SW cores: bn, bk, gy, bu	1,15	83	102	22,9	614,4	1400
012966	Cu/XLPE/PVC/SWA/PVC 05X16 RM 0,6/1 kV SW numbered white cores	1,15	83	102	26,6	768	1880
012833	Cu/XLPE/PVC/SWA/PVC 02X25 RM 0,6/1 kV SW cores: bn, bu	0,727	128	157	24,1	500	1060
012750	Cu/XLPE/PVC/SWA/PVC 03X25 RM 0,6/1 kV SW cores: bn, bk, gy	0,727	109	131	26,7	750	1750
012678	Cu/XLPE/PVC/SWA/PVC 04X25 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,727	107	131	28,9	1000	2100
012967	Cu/XLPE/PVC/SWA/PVC 05X25 RM 0,6/1 kV SW numbered white cores	0,727	107	131	31,7	1200	2670
013562	Cu/XLPE/PVC/SWA/PVC 02X35 RM 0,6/1 kV SW cores: bn, bu				27,9	680	1480
012741	Cu/XLPE/PVC/SWA/PVC 03X35 RM 0,6/1 kV SW cores: bn, bk, gy	0,524	137	157	29,6	1020	2100
012694	Cu/XLPE/PVC/SWA/PVC 04X35 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,524	137	157	32,1	1360	2580
012531	Cu/XLPE/PVC/SWA/PVC 05X35 RM 0,6/1 kV SW numbered white cores	0,524	137	157	33,1	1680	2800
012788	Cu/XLPE/PVC/SWA/PVC 02X50 RM 0,6/1 kV SW cores: bn, bu	0,387	190	223	25,8	960	1800
012642	Cu/XLPE/PVC/SWA/PVC 03X50 RM 0,6/1 kV SW cores: bn, bk, gy	0,387	163	187	28,5	1440	2350
012681	Cu/XLPE/PVC/SWA/PVC 04X50 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,387	163	187	32,1	1920	3000
013188	Cu/XLPE/PVC/SWA/PVC 05X50 RM 0,6/1 kV SW numbered white cores	0,387	163	187	39,5	2400	3000
012653	Cu/XLPE/PVC/SWA/PVC 02X70 RM 0,6/1 kV SW cores: bn, bu	0,387	163	187	25,2	1360	2300
012723	Cu/XLPE/PVC/SWA/PVC 03X70 RM 0,6/1 kV SW cores: bn, bk, gy	0,268	205	229	32,2	2040	3150
012704	Cu/XLPE/PVC/SWA/PVC 04X70 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,268	205	229	37,7	2720	4300

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
013545	Cu/XLPE/PVC/SWA/PVC 05X70 RM 0,6/1 kV SW numbered white cores				45	3360	6000
013232	Cu/XLPE/PVC/SWA/PVC 02X95 RM 0,6/1 kV SW cores: bn, bu	0,193	226	274	33,1	1860	3170
012643	Cu/XLPE/PVC/SWA/PVC 03X95 RM 0,6/1 kV SW cores: bn, bk, gy	0,193	226	274	37	2790	4300
012695	Cu/XLPE/PVC/SWA/PVC 04X95 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,193	226	274	41,7	3720	5510
013189	Cu/XLPE/PVC/SWA/PVC 05X95 RM 0,6/1 kV SW numbered white cores	0,193	226	274	50,7	4560	7311
013200	Cu/XLPE/PVC/SWA/PVC 02X120 RM 0,6/1 kV SW cores: bn, bu	0,153	258	312	36,1	2360	3800
012755	Cu/XLPE/PVC/SWA/PVC 03X120 RM 0,6/1 kV SW cores: bn, bk, gy	0,153	258	312	40,4	3540	5250
012705	Cu/XLPE/PVC/SWA/PVC 04X120 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,153	258	312	47,1	4720	7150
012834	Cu/XLPE/PVC/SWA/PVC 02X150 RM 0,6/1 kV SW cores: bn, bu)	0,124	289	417	39,3	2880	4500
012789	Cu/XLPE/PVC/SWA/PVC 03X150 RM 0,6/1 kV SW cores: bn, bk, gy	0,124	335	349	45,5	4332	6720
012756	Cu/XLPE/PVC/SWA/PVC 04X150 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,124	335	349	51,4	5760	8500
012591	Cu/XLPE/PVC/SWA/PVC 03X185 RM 0,6/1 kV SW cores: bn, bk, gy	0,0991	386	394	49,3	5460	7920
012757	Cu/XLPE/PVC/SWA/PVC 04X185 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,0991	386	394	56,6	7280	10300
012725	Cu/XLPE/PVC/SWA/PVC 03X240 RM 0,6/1 kV SW cores: bn, bk, gy	0,0754	456	455	55,1	7140	10150
012652	Cu/XLPE/PVC/SWA/PVC 04X240 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,0754	456	455	63,1	9520	13000
012726	Cu/XLPE/PVC/SWA/PVC 03X300 RM 0,6/1 kV SW cores: bn, bk, gy	0,0601	519	509	60,2	8970	12320
012679	Cu/XLPE/PVC/SWA/PVC 04X300 RM 0,6/1 kV SW cores: bn, bk, gy, bu	0,0601	519	509	68,8	11960	15750
013605	Cu/XLPE/PVC/SWA/PVC 04X400 RM 0,6/1 kV SW cores: bn, bk, gy, bu				78,1	15360	20450

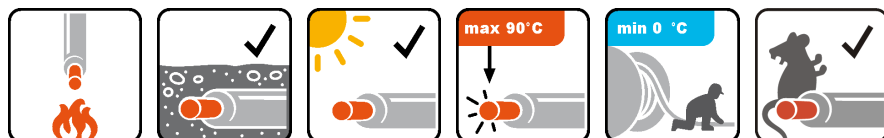
The current rating is calculated for air temperature of 50 °C and ground temperature of 35 °C.

R _l	conductor resistance
I _{bl}	ampacity (in air)
I _{be}	ampacity (in ground)
D _A	outer diameter
Cu	copper
G	weight

Power cable Cu/XLPE/PVC/ SWA/PVC acc. to BS 5467

conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE
armour:	round steel wire, galvanized
sheathing material:	PVC
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	0 - 70 °C
bending radius, fixed installation:	8 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	3,5 kV
protective conductor:	yes

Application: Distribution cable for industry constructions and switching boxes. For fixed installation inside of buildings, direct burial in earth, in water as well as in concrete and for heavy-duty mechanical load.



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Table: Technical characteristics BS 5467 Cu/XLPE/PVC/SWA/PVC (gn-ye)

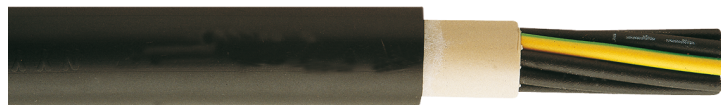
p/n	part name	R _i [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
013178	Cu/XLPE/PVC/SWA/PVC 03G1,5 RM 0,6/1 kV SW cores: bn, bu, gnye	12,1	22	28	12,8	43,2	341
013267	Cu/XLPE/PVC/SWA/PVC 05G1,5 RM 0,6/1 kV SW cores: bn, bk, gy, bu, gnye	12,1	22	28	14,2	72	433
012854	Cu/XLPE/PVC/SWA/PVC 03G2,5 RM 0,6/1 kV SW cores: bn, bu, gnye	7,41	29	36	14,1	72	405
012610	Cu/XLPE/PVC/SWA/PVC 04G2,5 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	7,41	29	36	15	96	465
013182	Cu/XLPE/PVC/SWA/PVC 05G2,5 RM 0,6/1 kV SW cores: bn,bk,gy,bu,gnye	7,41	29	36	16	120	530
013179	Cu/XLPE/PVC/SWA/PVC 03G4 RM 0,6/1 kV SW cores: bn, bu, gnye	4,61	37	47	15,3	115,2	495
013180	Cu/XLPE/PVC/SWA/PVC 03G6 RM 0,6/1 kV SW cores: bn, bk, gy	3,08	46	59	16,6	173	600

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	D _A [mm]	Cu [kg/km]	G [kg]
013606	Cu/XLPE/PVC/SWA/PVC 03G10 RM 0,6/1 kV SW cores: bn, bu, gnye	1,83	65	79	19,5	288	900
013544	Cu/XLPE/PVC/SWA/PVC 03G25 RM 0,6/1 kV SW cores: bn, bu, gnye	0,727	107	131	26,7	750	1750
013269	Cu/XLPE/PVC/SWA/PVC 04G1,5 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	12,1	22	28	13,5	57,6	390
012855	Cu/XLPE/PVC/SWA/PVC 04G10 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	1,83	65	79	21,1	384	1090
013181	Cu/XLPE/PVC/SWA/PVC 04G35 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	0,524	137	157	32,1	1360	2580
012611	Cu/XLPE/PVC/SWA/PVC 04G4 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	4,61	37	47	16,4	154	579
013183	Cu/XLPE/PVC/SWA/PVC 05G4 RM 0,6/1 kV SW cores: bn,bk,gy,bu,gnye	4,61	37	47	18,4	192	775
012929	Cu/XLPE/PVC/SWA/PVC 04G6 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	3,08	46	59	18,7	231	820
013184	Cu/XLPE/PVC/SWA/PVC 05G6 RM 0,6/1 kV SW cores: bn,bk,gy,bu,gnye	3,08	46	59	19,7	288	929
013185	Cu/XLPE/PVC/SWA/PVC 05G10 RM 0,6/1 kV SW cores: bn,bk,gy,bu,gnye	1,83	65	79	23,2	480	1300
012612	Cu/XLPE/PVC/SWA/PVC 04G16 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	1,15	83	102	22,9	614,4	1400
013186	Cu/XLPE/PVC/SWA/PVC 05G16 RM 0,6/1 kV SW cores: bn,bk,gy,bu,gnye	1,15	83	102	26,6	768	1880
012640	Cu/XLPE/PVC/SWA/PVC 04G25 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	0,727	107	131	28,9	1000	2100
013187	Cu/XLPE/PVC/SWA/PVC 05G25 RM 0,6/1 kV SW cores: bn,bk,gy,bu,gnye	0,727	109	131	31,7	1200	2670
013517	Cu/XLPE/PVC/SWA/PVC 05G35 RM 0,6/1 kV SW cores: bn,bk,gy,bu,gnye	0,524	137	157	33,1	1680	2800
012932	Cu/XLPE/PVC/SWA/PVC 04G50 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	0,387	163	187	32,1	1920	3000
012933	Cu/XLPE/PVC/SWA/PVC 04G70 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	0,268	205	229	37,7	2720	4300
012641	Cu/XLPE/PVC/SWA/PVC 04G95 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	0,193	226	274	41,7	3720	5510
013518	Cu/XLPE/PVC/SWA/PVC 05G95 RM 0,6/1 kV SW cores: bn,bk,gy,bu,gnye	0,193	226	274	50,7	4560	7311
013308	Cu/XLPE/PVC/SWA/PVC 04G120 RM 0,6/1 kV SW cores: bn, bk, gy, gnye	0,153	258	312	47,1	4720	7150
014036	Cu/XLPE/PVC/SWA/PVC 04G185 RM 0,6/1 kV SW Adern: braun, schwarz, grau, gn-ge (BS 5467)	0,0991	386	394	56,6	7280	10300

The current rating is calculated for air temperature of 50 °C and ground temperature of 35 °C.

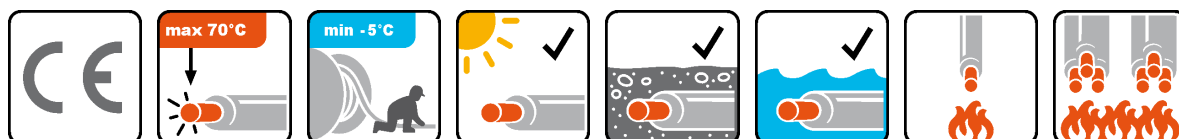
RI	conductor resistance
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
DA	outer diameter
Cu	copper
G	weight

Power cable (N)YY-J FR acc. to with reference to VDE 0276-603



conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	PVC DIV 4
sheathing material:	PVC DMV 5
colour of outer sheath:	black
meter mark:	yes
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
UV-resistant:	yes
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: For fixed installation in buildings, in free air, in ground and in water.



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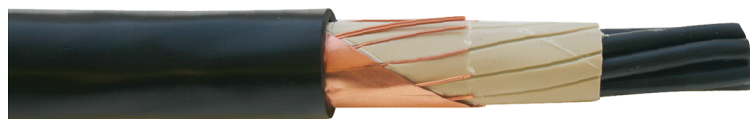
Table: Technical characteristics

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
014394	(N)YY-J FR 03X1,5 RE SW	12,1	19	27	0,17	124	10,3	43,2	165
014395	(N)YY-J FR 04X1,5 RE SW	12,1	19	27	0,17	167	11,1	58	193
014396	(N)YY-J FR 05X1,5 RE SW	12,1	19	27	0,17	133	11,9	72	227
014397	(N)YY-JZ FR 07X1,5 RE SW	12,1	19	27	0,17	160	13,3	115,2	306
014398	(N)YY-JZ FR 12X1,5 RE SW	12,1	19	27	0,17	191	15,9	173	417
014399	(N)YY-JZ FR 16X1,5 RE SW	12,1	19	27	0,17	209	17,4	230,4	518
014400	(N)YY-JZ FR 24X1,5 RE SW	12,1	19	27	0,17	252	21	346	726
014401	(N)YY-J FR 03X2,5 RE SW	7,41	25	36	0,29	134	11,2	72	209
014402	(N)YY-J FR 04X2,5 RE SW	7,41	25	36	0,29	151	12	96	247
014403	(N)YY-J FR 05X2,5 RE SW	7,41	25	36	0,29	163	12,9	120	293
014404	(N)YY-J FR 03X4 RE SW	4,61	34	47	0,46	164	13	115,2	297
014405	(N)YY-J FR 04X4 RE SW	4,61	34	47	0,46	178	14,1	154	355
014406	(N)YY-J FR 05X4 RE SW	4,61	34	47	0,46	192	15,2	192	426
014407	(N)YY-J FR 03X6 RE SW	3,08	43	59	0,69	174	14,1	173	376
014408	(N)YY-J FR 04X6 RE SW	3,08	43	59	0,69	182	15,2	230,4	452

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
014409	(N)YY-J FR 05X6 RE SW	3,08	43	59	0,69	204	18,1	288	628
014410	(N)YY-J FR 03X10 RE SW	1,83	59	79	1,15	197	15,8	288	526
014411	(N)YY-J FR 04X10 RE SW	1,83	59	79	1,15	205	17,1	384	643
014412	(N)YY-J FR 05X10 RE SW	1,83	59	79	1,15	229	19,1	480	806
014413	(N)YY-J FR 03X16 RE SW	1,15	79	103	1,84	223	18,1	461	754
014414	(N)YY-J FR 04X16 RE SW	1,15	79	103	1,84	244	19,3	614,4	905
014415	(N)YY-J FR 05X16 RE SW	1,15	79	103	1,84	265	22,1	768	1173
014416	(N)YY-J FR 03X25 RM SW	0,727	106	133	2,87	268	22,3	720	1150
014417	(N)YY-J FR 03X25 RM / 16 RE SW	0,727	106	133	2,87	302	25,2	874	1454
014418	(N)YY-J FR 05X25 RM SW	0,727	106	133	2,87	322	26,8	1200	1758
014419	(N)YY-J FR 03X35 SM SW	0,524	129	159	4,02	294	24,5	1008	1492
014420	(N)YY-J FR 03X35 SM / 16 RE SW	0,524	129	159	4,02	301	25,1	1162	1667
014421	(N)YY-J FR 05X35 RM SW	0,524	129	159	4,02	357	29,8	1680	2311
014422	(N)YY-J FR 03X50 SM / 25 RM SW	0,387	157	188	5,75	338	28,2	1680	2047
014423	(N)YY-J FR 03X70 SM / 35 SM SW	0,268	199	232	8,05	373	31,1	2352	2827
014424	(N)YY-J FR 03X95 SM / 50 SM SW	0,193	246	280	10,9	433	36,1	3216	3883
014425	(N)YY-J FR 03X120 SM / 70 SM SW	0,153	285	318	13,8	461	38,4	4128	4792
014426	(N)YY-J FR 03X150 SM / 70 SM SW	0,124	326	359	17,2	514	42,8	4992	5740

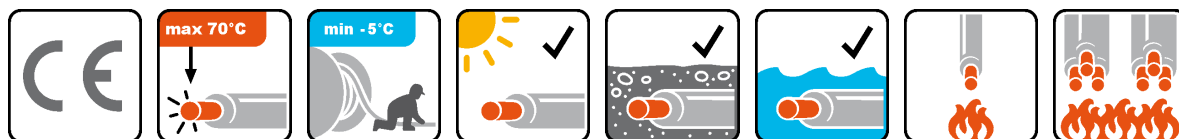
RI	conductor resistance
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
I _k	short circuit current (1 s)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

Power cable (N)YCY FR acc. to with reference to VDE 0276-603



conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	PVC DIV 4
concentric conductor:	Cu
sheathing material:	PVC DMV 5
colour of outer sheath:	black
meter mark:	yes
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
UV-resistant:	yes
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: For fixed installation in buildings, in free air, in ground and in water.



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Table: Technical characteristics

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
080288	(N)YCY FR 07X1,5 RE/2,5 SW	12,1	19	27	0,17	175	14,6	133	338
080289	(N)YCY FR 24X1,5 RE/6 SW	12,1	19	27	0,17	280	23,3	413	849
080290	(N)YCY FR 40X1,5 RE/10 SW	12,1	19	27	0,17	325	27,1	696	1260
080291	(N)YCY FR 61X1,5 RE/10 SW	12,1	19	27	0,17	395	32,9	998	2000
080292	(N)YCY FR 07X4RE/4 SW	12,1	34	47	0,46	224	18,7	315	620

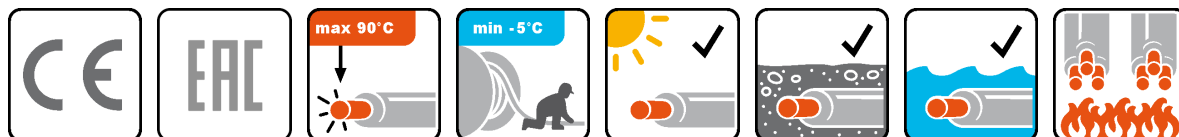
RI	conductor resistance
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

Power cable (N)2XY FR acc. to VDE 0276-603 (with ref. to)

conductor material:	bare copper
insulation:	XLPE DIX3
sheathing material:	PVC ST2, UV-resistant
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-35 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: For fixed installation in buildings, in free air, in ground and in water.

Belgium:	XVB-mb
Switzerland:	XKT
France:	U-1000 R2V
Netherlands:	XMvKmb
Norway:	TXXP



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Table: Technical characteristics

p/n	part name		R _i [Ω/km]	I _{bl} [A]	I _{be} [A]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
011918	(N)2XY-O FR 01X120 0,6/1 kV SW VDE 0276	RMv	0,153	380	349	315	21	6000	1152	1350

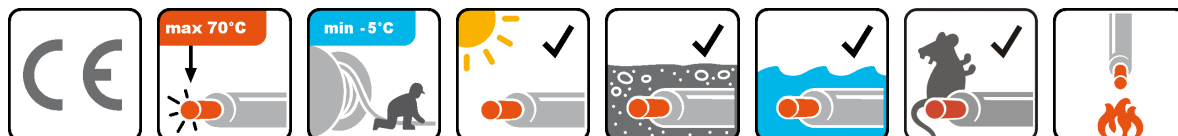
R _i	conductor resistance
I _{bl}	ampacity (in air)
I _{be}	ampacity (in ground)
R _{bv}	bending radius, fixed installation
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Power cable NYFGY 1-6 kV acc. to VDE 0271

conductor material: bare copper
conductor construction: class 1, from 25 sqmm class 2
insulation: PVC YI4
inner sheath: PVC
armour: galvanized flat steel wire
sheathing material: PVC YM3
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 70 °C
max. operating temperature, fixed: -5 - +70 °C
bending radius, fixed installation: 15 x DA

	<i>NYFGY 0,6/1 kV</i>	<i>NYFGY 3,6/6 kV</i>
nominal voltage U₀:	600 V	3,6 kV
nominal voltage U:	1 kV	6 kV
test voltage:	4 kV	9 kV
core identification:	colours acc. VDE 0293 (HD308)	nature color

Application: Distribution cable for industry constructions and switching boxes. For fixed installation inside of buildings, direct burial in earth, in water as well as in concrete and for heavy-duty mechanical load.



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Table: Technical characteristics NYFGY 0,6/1 kV

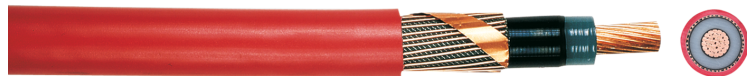
p/n	part name		R _i [Ω/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
011771	NYFGY-J 03X25/16 0,6/1 kV SW	SM	0,727	106	133	2,87	0,257	26	3750	874	2396
011772	NYFGY-J 03X35/16 0,6/1 kV SW	SM	0,524	129	159	4,02	0,248	28	5250	1162	2585
011499	NYFGY-J 03X50 SM/25 RM 0,6/1 kV SW	SMv	0,387	157	188	5,75	0,247	33	7500	1680	3100
011773	NYFGY-J 03X70/35 0,6/1 kV SW	SMv	0,268	199	232	8,05	0,238	35	10500	2352	4028
011740	NYFGY-J 03X95/50 0,6/1 kV SW	SMv	0,193	246	280	10,9	0,238	40	14250	3216	4750
011500	NYFGY-J 03X120 SM/70 SM 0,6/1 kV SW	SMv	0,153	285	318	13,8	0,233	43	18000	4128	6000
011774	NYFGY-J 03X150/70 0,6/1 kV SW	SMv	0,124	326	359	17,2	0,233	47	22500	4992	7320
011509	NYFGY-J 03X240 SM/120 SM 0,6/1 kV SW	SMv	0,0754	445	473	27,6	0,231	58	36000	8064	10000
011729	NYFGY-J 04X50 0,6/1 kV SW	SMv	0,387	157	188	5,75	0,27	35	10000	1920	3539
011730	NYFGY-J 04X185 0,6/1 kV SW	SMv	0,0991	374	406	21,3	0,256	55	37000	7104	10129

Table: Technical characteristics NYFGY 3,6/6 kV

p/n	part name		R_l [Ω/km]	I_{bl} [A]	I_{be} [A]	I_k [kA]	L_b [mH/km]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg]
012108	NYFGY 03X35 SM 3,6/6 kV RT	SM	0,524	131	157	4,02	0,248	37	5250	1008	2450
012109	NYFGY 03X50 SM 3,6/6 kV RT	SMv	0,387	159	185	5,75	0,247	39	7500	1440	3100
012115	NYFGY 03X70 SM 3,6/6 kV RT	SMv	0,268	202	226	8,05	0,238	43	10500	2016	3700
012116	NYFGY 03X95 SM 3,6/6 kV RT	SMv	0,193	244	275	10,9	0,238	44	14250	2736	4600
012117	NYFGY 03X120 SM 3,6/6 kV RT	SMv	0,153	282	313	13,8	0,233	47	18000	3456	5450
012118	NYFGY 03X150 SM 3,6/6 kV RT	SMv	0,124	316	352	17,2	0,233	59	22500	4320	7300
012119	NYFGY 03X185 SM 3,6/6 kV RT	SMv	0,0991	362	397	21,3	0,233	64	27750	5328	7550
012213	NYFGY 03X240 SM 3,6/6 kV RT	SMv	0,0754	427	460	27,6	0,231	61	36000	6912	9641

R_l	conductor resistance
I_{bl}	ampacity (in air)
I_{be}	ampacity (in ground)
I_k	short circuit current (1 s)
L_b	specific inductivity
D_A	outer diameter
F_{zv}	tensile strength (during installation)
Cu	copper
G	weight

Medium voltage cable N2XSY acc. to VDE 0276-620

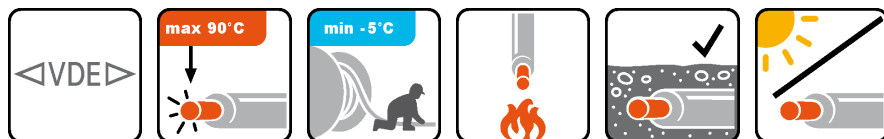


conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	PVC DMV6
colour of outer sheath:	red
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	<i>N2XSY 6/10 kV</i>	<i>N2XSY 12/20 kV</i>	<i>N2XSY 18/30 kV</i>
nominal voltage U₀:	6 kV	12 kV	18 kV
nominal voltage U:	10 kV	20 kV	30 kV
maximum permitted operating voltage in 3-phase systems:			
test voltage:	21 kV	42 kV	63 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. Acc. to VDE 0276-603 cables must be protected against direct sun irradiation.

Finnland:	HXCMK
Austria:	E-2XHCY
Russia:	ПвЭБ



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics N2XSY 6/10 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
011292	N2XSY 1X35/16	RM	7,5	0,524	3,4	197	187	5	360	2,5	24	1750	518	920
011288	N2XSY 1X50/16	RMv	8,6	0,387	3,4	236	220	7,15	375	2,5	25	2500	662	1100
011289	N2XSY 1X70/16	RMv	10,2	0,268	3,4	294	268	10	405	2,5	27	3500	854	1300
011326	N2XSY 1X95/16	RMv	12	0,193	3,4	358	320	13,6	420	2,5	28	4750	1094	1600
011290	N2XSY 1X120/16	RMv	13,5	0,153	3,4	413	363	17,2	450	2,5	30	6000	1334	1850
011327	N2XSY 1X150/16	RMv	15	0,124	3,4	468	405	21,4	465	2,5	31	7500	1622	2050
011291	N2XSY 1X150/25	RMv	15	0,124	3,4	468	405	21,4	465	2,5	31	7500	1723	2200
011328	N2XSY 1X185/16	RMv	16,8	0,0991	3,4	535	456	26,5	495	2,5	33	9250	1958	2450
011329	N2XSY 1X185/25	RMv	16,8	0,0991	3,4	535	456	26,5	495	2,5	33	9250	2059	2550

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G
011330	N2XSY 1X240/16	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35	12000	2486	3000
011294	N2XSY 1X240/25	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35	12000	2587	3150
011331	N2XSY 1X300/25	RMv	21,6	0,0601	3,4	722	591	42,9	555	2,5	37	15000	3163	3750
011332	N2XSY 1X400/35	RMv	24,6	0,047	3,4	827	662	57,2	615	2,5	41	20000	4234	4650
011333	N2XSY 1X500/35	RMv	27,6	0,0366	3,4	949	744	71,5	660	2,5	44	25000	5194	5700
011976	N2XSY 1X630/35	RMv	32,5	0,0283	3,4	1090	820	90,1	735	2,5	49	31500	6442	7090

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics N2XSY 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G
011295	N2XSY 1X35/16	RM	7,5	0,524	5,5	200	189	5	420	2,5	28	1750	518	1100
011296	N2XSY 1X50/16	RMv	8,6	0,387	5,5	239	222	7,15	435	2,5	29	2500	662	1250
011297	N2XSY 1X70/16	RMv	10,2	0,268	5,5	297	271	10	465	2,5	31	3500	854	1500
011298	N2XSY 1X95/16	RMv	12	0,193	5,5	361	323	13,6	480	2,5	32	4750	1094	1800
011318	N2XSY 1X120/16	RMv	13,5	0,153	5,5	416	367	17,2	510	2,5	34	6000	1334	2050
011334	N2XSY 1X150/16	RMv	15	0,124	5,5	470	409	21,4	525	2,5	35	7500	1622	2300
011335	N2XSY 1X150/25	RMv	15	0,124	5,5	470	409	21,4	525	2,5	35	7500	1723	2400
011336	N2XSY 1X185/16	RMv	16,8	0,0991	5,5	538	461	26,5	555	2,5	37	9250	1958	2650
011299	N2XSY 1X185/25	RMv	16,8	0,0991	5,5	538	461	26,5	555	2,5	37	9250	2059	2800
011337	N2XSY 1X240/16	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2486	3250
011338	N2XSY 1X240/25	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2587	3400
012691	N2XSY 1X240/50	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2864	3499
011339	N2XSY 1X300/25	RMv	21,6	0,0601	5,5	724	599	42,9	630	2,5	42	15000	3163	4000
011341	N2XSY 1X400/35	RMv	24,6	0,047	5,5	829	671	57,2	675	2,5	45	20000	4234	4950
011340	N2XSY 1X500/35	RMv	27,6	0,0366	5,5	953	754	71,5	735	2,5	49	25000	5194	6050
012566	N2XSY 1X630/35	RMv	32,5	0,0283	5,5	1075	820	90,1	795	2,5	53	31500	6442	7090
012692	N2XSY 1X800/50	RMv	37,6	0,0221	5,5	1205	890	114,4	900	2,5	60	40000	8240	9249
011529	N2XSY 1X800/35	RMv	37,6	0,0221	5,5	1205	890	114,4	900	2,5	60	40000	8094	9032

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics N2XSY 18/30 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G
013657	N2XSY 1X35/16	RM	7,5	0,524	8	202	191	5	495		33	1750	518	1350
011342	N2XSY 1X50/16	RMv	8,6	0,387	8	241	225	7,15	510	2,5	34	2500	662	1550
011343	N2XSY 1X70/16	RMv	10,2	0,268	8	299	274	10	540	2,5	36	3500	854	1750
011344	N2XSY 1X95/16	RMv	12	0,193	8	363	327	13,6	555	2,5	37	4750	1094	2050
011345	N2XSY 1X120/16	RMv	13,5	0,153	8	418	371	17,2	585	2,5	39	6000	1334	2350
011346	N2XSY 1X150/25	RMv	15	0,124	8	472	414	21,4	600	2,5	40	7500	1723	2700
011347	N2XSY 1X185/25	RMv	16,8	0,0991	8	539	466	26,5	630	2,5	42	9250	2059	3100
011348	N2XSY 1X240/25	RMv	19,2	0,0754	8	635	539	34,3	660	2,5	44	12000	2587	3700
011349	N2XSY 1X300/25	RMv	21,6	0,0601	8	725	606	42,9	705	2,5	47	15000	3163	4350
011350	N2XSY 1X400/35	RMv	24,6	0,047	8	831	680	57,2	750	2,5	50	20000	4234	5350
011351	N2XSY 1X500/35	RMv	27,6	0,0366	8	953	765	71,5	795	2,5	53	25000	5194	6450
013061	N2XSY 1X630/35	RMv	32,5	0,0283	8	1094	841	90,1		2,5		31500	6442	7833

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

DI	diameter of conductor
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Medium voltage cable N2XS2Y acc. to VDE 0276-620



conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
colour of outer sheath:	black
flame retardant:	no
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	<i>N2XS2Y 6/10 kV</i>	<i>N2XS2Y 12/20 kV</i>	<i>N2XS2Y 18/30 kV</i>
nominal voltage U₀:	6 kV	12 kV	18 kV
nominal voltage U:	10 kV	20 kV	30 kV
maximum permitted operating voltage in 3-phase systems:			
test voltage:	21 kV	42 kV	63 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation.

Switzerland:	XKT
Austria:	E-2XHC2Y
Russia:	ПвЭП



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics N2XS2Y 6/10 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
011352	N2XS2Y 1X35/16	RM	7,5	0,524	3,4	197	187	5	360	2,5	24	1750	518	900
011353	N2XS2Y 1X50/16	RMv	8,6	0,387	3,4	236	220	7,15	375	2,5	25	2500	662	950
011354	N2XS2Y 1X70/16	RMv	10,2	0,268	3,4	294	268	10	405	2,5	27	3500	854	1200
013132	N2XS2Y 1X70/50	RMv	10,2	0,268	3,4	294	268	10	420	2,5	27,5	3500	1232	1474
011355	N2XS2Y 1X95/16	RMv	12	0,193	3,4	358	320	13,6	420	2,5	28	4750	1094	1450
011356	N2XS2Y 1X120/16	RMv	13,5	0,153	3,4	413	363	17,2	450	2,5	30	6000	1334	1700
011357	N2XS2Y 1X150/16	RMv	15	0,124	3,4	468	405	21,4	465	2,5	31	7500	1622	1950
011358	N2XS2Y 1X150/25	RMv	15	0,124	3,4	470	409	21,4	465	2,5	31	7500	1723	2050
013133	N2XS2Y 1X150/50	RMv	15	0,124	3,4	470	409	21,4	465	2,5	31,8	7500	2000	2271

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
011359	N2XS2Y 1X185/16	RMv	16,8	0,0991	3,4	535	456	26,5	495	2,5	33	9250	1958	2350
011360	N2XS2Y 1X185/25	RMv	16,8	0,0991	3,4	535	456	26,5	495	2,5	33	9250	2059	2400
011361	N2XS2Y 1X240/16	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35	12000	2486	2900
011362	N2XS2Y 1X240/25	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35	12000	2587	2950
013134	N2XS2Y 1X240/50	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35,6	12000	2864	3164
011363	N2XS2Y 1X300/25	RMv	21,6	0,0601	3,4	722	591	42,9	555	2,5	37	15000	3163	3550
011364	N2XS2Y 01X400/35	RMv	24,6	0,047	3,4	827	662	57,2	615	2,5	41	20000	4234	4500
011365	N2XS2Y 1X500/35	RMv	27,6	0,0366	3,4	949	744	71,5	660	2,5	44	25000	5194	5500

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics N2XS2Y 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
011366	N2XS2Y 1X35/16	RM	7,5	0,524	5,5	200	189	5	420	2,5	28	1750	518	970
011367	N2XS2Y 1X50/16	RMv	8,6	0,387	5,5	239	222	7,15	435	2,5	29	2500	662	1150
011368	N2XS2Y 1X70/16	RMv	10,2	0,268	5,5	297	271	10	465	2,5	31	3500	854	1350
011369	N2XS2Y 1X95/16	RMv	12	0,193	5,5	361	323	13,6	480	2,5	32	4750	1094	1650
011370	N2XS2Y 1X120/16	RMv	13,5	0,153	5,5	416	367	17,2	510	2,5	34	6000	1334	1900
011371	N2XS2Y 1X150/16	RMv	15	0,124	5,5	470	409	21,4	525	2,5	35	7500	1622	2150
011372	N2XS2Y 1X150/25	RMv	15	0,124	5,5	470	409	21,4	525	2,5	35	7500	1723	2250
011373	N2XS2Y 1X185/16	RMv	16,8	0,0991	5,5	538	461	26,5	555	2,5	37	9250	1958	2550
011374	N2XS2Y 1X185/25	RMv	16,8	0,0991	5,5	538	461	26,5	555	2,5	37	9250	2059	2600
011375	N2XS2Y 1X240/16	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2486	3100
011376	N2XS2Y 1X240/25	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2587	3200
011377	N2XS2Y 1X300/25	RMv	21,6	0,0601	5,5	724	599	42,9	630	2,5	42	15000	3163	3800
013215	N2XS2Y 1X300/35	RMv	21,6	0,0601	5,5	724	599	42,9	630	2,5	42	15000	3274	3850
011378	N2XS2Y 1X400/35	RMv	24,6	0,047	5,5	829	671	57,2	675	2,5	45	20000	4234	4750
011379	N2XS2Y 1X500/35	RMv	27,6	0,0366	5,5	953	754	71,5	720	2,5	48	25000	5194	5800
013154	N2XS2Y 1X630/35	RMv	32,5	0,0283	5,5	1120	840	90,1	795	2,5	53	32500	6442	7090

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

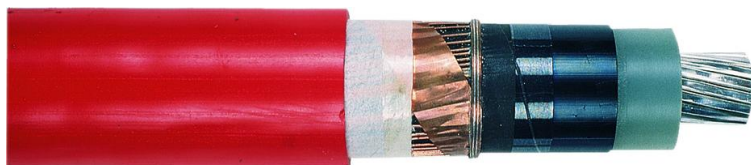
Table: Technical characteristics N2XS2Y 18/30 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
011380	N2XS2Y 1X50/16	RMv	8,6	0,387	8	241	225	7,15	510	2,5	34	2500	662	1350
011383	N2XS2Y 1X70/16	RMv	10,2	0,268	8	299	274	10	540	2,5	36	3500	854	1600
011384	N2XS2Y 1X95/16	RMv	12	0,193	8	363	327	13,6	555	2,5	37	4750	1094	1900
011385	N2XS2Y 1X120/16	RMv	13,5	0,153	8	418	371	11,3	585	2,5	39	6000	1334	2150
011386	N2XS2Y 1X150/25	RMv	15	0,124	8	472	414	21,4	600	2,5	40	7500	1723	2550
011995	N2XS2Y 1X150/50	RMv	15	0,124	8	472	414	21,4	630	2,5	42	7500	1969	2750
011387	N2XS2Y 1X185/25	RMv	16,8	0,0991	8	539	466	26,5	630	2,5	42	9250	2059	2900
011388	N2XS2Y 1X240/25	RMv	19,2	0,0754	8	635	539	34,3	660	2,5	44	12000	2587	3500
011777	N2XS2Y 1X240/70	RMv	19,2	0,0754	8	635	539	34,3	675	2,5	45	12000	3084	4200
011389	N2XS2Y 1X300/25	RMv	21,6	0,0601	8	725	606	42,9	705	2,5	47	15000	3163	4150
013686	N2XS2Y 1X300/35	RMv	21,6	0,0601	8	725	606	42,9	705	2,5	47	15000	3274	4300
013135	N2XS2Y 1X300/50	RMv	2,6	0,0601	8	725	606	42,9	705	2,5	46,8	15000	3440	4276
011390	N2XS2Y 1X400/35	RMv	24,6	0,047	8	831	680	57,2	750	2,5	50	20000	4234	5100
011391	N2XS2Y 1X500/35	RMv	27,6	0,0366	8	953	765	71,5	795	2,5	53	25000	5194	6200
013037	N2XS2Y 1X630/35	RMv	32,5	0,0283	8	1094	820	90,1	870	2,5	58	31500	6442	7403

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

DI	diameter of conductor
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Medium voltage cable NA2XSY acc. to VDE 0276-620

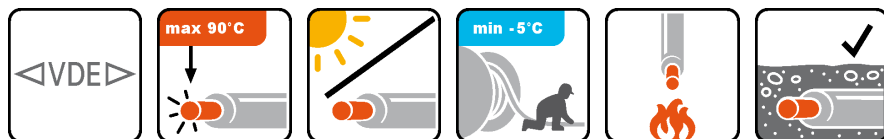


conductor material:	aluminium
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	PVC DMV6
colour of outer sheath:	red
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	<i>NA2XSY 6/10 kV</i>	<i>NA2XSY 18/30 kV</i>	<i>NA2XSY 12/20 kV</i>
nominal voltage U₀:	6 kV	18 kV	12 kV
nominal voltage U:	10 kV	30 kV	20 kV
maximum permitted operating voltage in 3-phase systems:	12 kV	36 kV	24 kV
test voltage:	21 kV	63 kV	42 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. Acc. to VDE 0276-603 cables must be protected against direct sun irradiation.

Austria:	E-A2XHCY
Russia:	АПвЭВ



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics NA2XSY 6/10 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
011392	NA2XSY 1X50/16	RMv	8,6	0,641	3,4	183	171	4,7	375	2,5	25	1500	182	145	780
011393	NA2XSY 1X70/16	RMv	10,2	0,443	3,4	228	208	6,58	405	2,5	27	2100	182	203	870
012614	NA2XSY 1X70/35	RMv	10,2	0,443	3,4	228	208	6,58	405	2,5	27	2100	283	203	1395
011394	NA2XSY 1X95/16	RMv	12	0,32	3,4	278	248	8,93	420	2,5	28	2850	182	276	990
011395	NA2XSY 1X120/16	RMv	13,5	0,253	3,4	321	283	11,3	450	2,5	30	3600	182	348	1100
012615	NA2XSY 1X120/50	RMv	13,5	0,253	3,4	321	283	11,3	450	2,5	30	3600	560	348	1659
011396	NA2XSY 1X150/16	RMv	15	0,206	3,4	364	315	14,1	465	2,5	31	4500	182	435	1250
011397	NA2XSY 1X150/25	RMv	15	0,206	3,4	364	315	14,1	465	2,5	31	4500	283	435	1300
011398	NA2XSY 1X185/16	RMv	16,8	0,164	3,4	418	357	17,4	495	2,5	33	5550	182	537	1400

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
011399	NA2XSY 1X185/25	RMv	16,8	0,164	3,4	418	357	17,4	495	2,5	33	5550	283	537	1450
011400	NA2XSY 1X240/16	RMv	19,2	0,125	3,4	494	413	22,6	525	2,5	35	7200	182	696	1600
011401	NA2XSY 1X240/25	RMv	19,2	0,125	3,4	494	413	22,6	525	2,5	35	7200	283	696	1650
011402	NA2XSY 1X300/25	RMv	21,6	0,1	3,4	568	466	28,2	555	2,5	37	9000	283	870	1950
011403	NA2XSY 1X400/35	RMv	24,6	0,0778	3,4	660	535	37,6	615	2,5	41	12000	394	1160	2350
011404	NA2XSY 1X500/35	RMv	27,6	0,0605	3,4	767	602	47	660	2,5	44	15000	394	1450	2700
012508	NA2XSY 1X800/35	RMv	37,6	0,0367	3,4	1015	750	75,2		2,5		40000	394	2320	3973

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics NA2XSY 18/30 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
011418	NA2XSY 1X50/16	RMv	8,6	0,641	8	187	174	4,7	510	2,5	34	1500	182	145	1250
011419	NA2XSY 1X70/16	RMv	10,2	0,443	8	232	213	6,58	540	2,5	36	2100	182	203	1350
012965	NA2XSY 01X70/25	RMv	10,2	0,443	8	232	213	6,58	555	2,5	37	2100	283	203	1250
011420	NA2XSY 01X95/16	RMv	12	0,32	8	282	254	8,93	555	2,5	37	2850	182	276	1500
011421	NA2XSY 1X120/16	RMv	13,5	0,253	8	325	289	11,3	585	2,5	39	3600	182	348	1600
011422	NA2XSY 1X150/16	RMv	15	0,206	8	367	322	14,1	600	2,5	40	4500	182	435	1750
011423	NA2XSY 1X150/25	RMv	15	0,206	8	367	322	14,1	600	2,5	40	4500	283	435	1850
011424	NA2XSY 1X185/16	RMv	16,8	0,164	8	421	364	17,4	630	2,5	42	5550	182	537	1950
011425	NA2XSY 1X185/25	RMv	16,8	0,164	8	421	364	17,4	630	2,5	42	5550	283	537	2000
011426	NA2XSY 1X240/16	RMv	19,2	0,125	8	496	422	22,6	660	2,5	44	7200	182	696	2200
011427	NA2XSY 1X240/25	RMv	19,2	0,125	8	496	422	22,6	660	2,5	44	7200	283	696	2250
011428	NA2XSY 1X300/25	RMv	21,6	0,1	8	568	476	28,2	705	2,5	47	9000	283	870	2550
011429	NA2XSY 1X400/35	RMv	24,6	0,0778	8	660	529	37,6	750	2,5	50	12000	394	1160	3000
011430	NA2XSY 1X500/35	RMv	27,6	0,0605	8	764	616	47	795	2,5	53	15000	394	1450	3450
013137	NA2XSY 1X630/35	RMv	32,5	0,0469	8	890	675	59,2	855	2,5	57,3	18900	394	1827	3607

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics NA2XSY 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
011405	NA2XSY 1X50/16	RMv	8,6	0,641	5,5	185	172	4,7	435	2,5	29	1500	182	145	970
011406	NA2XSY 1X70/16	RMv	10,2	0,443	5,5	231	210	6,58	465	2,52	31	2100	182	203	1100
011407	NA2XSY 1X95/16	RMv	12	0,32	5,5	280	251	8,93	480	2,5	32	2850	182	276	1200
011408	NA2XSY 1X120/16	RMv	13,5	0,253	5,5	323	285	11,3	510	2,5	34	3600	182	348	1350
013031	NA2XSY 1X120/25	RMv	13,5	0,253	5,5	323	285	11,3	510	2,5	34,4	3600	283	348	1320
012534	NA2XSY 1X120/50	RMv	13,5	0,253	5,5	323	285	11,3	510	2,5		3600	560	348	1718
011409	NA2XSY 01X150/16	RMv	15	0,206	5,5	366	319	14,1	525	2,5	35	4500	182	435	1450
011410	NA2XSY 1X150/25	RMv	15	0,206	5,5	366	319	14,1	525	2,5	35	4500	283	435	1500
012535	NA2XSY 1X150/50	RMv	15	0,206	5,5	366	319	14,1	420	2,5		4500	560	435	1857
011411	NA2XSY 1X185/16	RMv	16,8	0,164	5,5	420	361	17,4	555	2,5	37	5550	182	537	1650
011412	NA2XSY 1X185/25	RMv	16,8	0,164	5,5	420	361	17,4	555	2,5	37	5550	283	537	1700
011413	NA2XSY 1X240/16	RMv	19,2	0,125	5,5	496	417	22,6	600	2,5	40	7200	182	696	1850
011414	NA2XSY 1X240/25	RMv	19,2	0,125	5,5	496	417	22,6	600	2,5	40	7200	283	696	1900
012536	NA2XSY 1X240/50	RMv	19,2	0,125	5,5	496	417	22,6	480	2,5		7200	560	696	1718
011415	NA2XSY 01X300/25	RMv	21,6	0,1	5,5	569	471	28,2	630	2,5	42	9000	283	870	2200
012922	NA2XSY 1X300/50	RMv	21,6	0,1	5,5	569	471	28,2	630	2,5	42	9000	560	870	2200
011416	NA2XSY 1X400/35	RMv	24,6	0,0778	5,5	659	541	37,6	675	2,5	45	12000	394	1160	2600
012923	NA2XSY 1X400/50	RMv	24,6	0,0778	5,5	659	541	37,6	675	2,5	45	12000	560	1160	2200
011417	NA2XSY 01X500/35	RMv	27,6	0,0605	5,5	766	609	47	720	2,5	48	15000	394	1450	3000
013532	NA2XSY 1X800/35	RMv	37,6	0,0367	5,5	1010	745	75,2	855	2,5	57	24000	394	2320	4060

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

DI	diameter of conductor
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
Al	Aluminium
G	weight

Medium voltage cable NA2XS2Y acc. to VDE 0276-620



conductor material:	aluminium
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
colour of outer sheath:	black
flame retardant:	no
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	NA2XS2Y 6/10 kV	NA2XS2Y 12/20 kV	NA2XS2Y 18/30 kV
nominal voltage U₀:	6 kV	12 kV	20 kV
nominal voltage U:	10 kV	20 kV	30 kV
maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV	36 kV
test voltage:	21 kV	42 kV	63 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation. For installation in cable ducts and indoors must be considered that the PE sheath is halogen-free, but not flame retardant according to DIN VDE 0482-332-1.

Austria: E-A2XHC2Y

Russia: АПВЭП



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics NA2XS2Y 6/10 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
011431	NA2XS2Y 1X50/16	RMv	8,6	0,641	3,4	183	171	4,7	375	2,5	25	1500	182	145	670
011432	NA2XS2Y 1X70/16	RMv	10,2	0,443	3,4	228	208	6,58	405	2,5	27	2100	182	203	750
011433	NA2XS2Y 1X95/16	RMv	12	0,32	3,4	278	248	8,93	420	2,5	28	2850	182	276	860
011498	NA2XS2Y 1X120/16	RMv	13,5	0,253	3,4	321	283	11,3	450	2,5	30	3600	182	348	950
013074	NA2XS2Y 1X120/50	RMv	13,5	0,253	3,4	321	283	11,3	450	2,5	29,6	3600	560	348	1248
011434	NA2XS2Y 1X150/16	RMv	15	0,206	3,4	364	315	14,1	465	2,5	31	4500	182	435	1100
011435	NA2XS2Y 1X150/25	RMv	15	0,206	3,4	364	315	14,1	465	2,5	31	4500	283	435	1150
011436	NA2XS2Y 1X185/16	RMv	16,8	0,164	3,4	418	357	17,4	495	2,5	33	5550	182	537	1250

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
011437	NA2XS2Y 1X185/25	RMv	16,8	0,164	3,4	418	357	17,4	495	2,5	33	5550	283	537	1300
011438	NA2XS2Y 1X240/16	RMv	19,2	0,125	3,4	494	413	22,6	525	2,5	35	7200	182	696	1400
011439	NA2XS2Y 1X240/25	RMv	192	0,125	3,4	494	413	22,6	525	2,5	35	7200	283	696	1500
011440	NA2XS2Y 1X300/25	RMv	21,6	0,1	3,4	568	466	28,2	555	2,5	37	9000	283	870	1750
011441	NA2XS2Y 1X400/35	RMv	24,6	0,0778	3,4	660	529	37,6	615	2,5	41	12000	394	1160	2150
011442	NA2XS2Y 1X500/35	RMv	27,6	0,0605	3,4	767	602	47	660	2,5	44	15000	394	1450	2500
013026	NA2XS2Y 1X630/35	RMv	32,5	0,0469	3,4	890	675	59,2	720	2,5	48	18900	394	1827	2500

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics NA2XS2Y 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
012811	NA2XS2Y 1X35/16	RM	7,5	0,524	5,5	155	145	3,2	420	2,5	28	1750	182	102	725
011443	NA2XS2Y 1X50/16	RMv	8,6	0,641	5,5	185	172	4,7	435	2,5	29	1500	182	145	830
011444	NA2XS2Y 1X70/16	RMv	10,2	0,443	5,5	231	210	6,58	465	2,5	31	2100	182	203	920
013027	NA2XS2Y 1X70/25	RMv	10,2	0,443	5,5	231	210	6,58	480	2,5	32	2100	435	182	1332
011324	NA2XS2Y 1X95/16	RMv	12	0,32	5,5	280	251	8,93	480	2,5	32	2850	182	276	1050
011323	NA2XS2Y 1X120/16	RMv	13,5	0,253	5,5	323	285	11,3	510	2,5	34	3600	182	348	1150
013075	NA2XS2Y 1X120/50	RMv	13,5	0,253	5,5	323	285	11,3	510	2,5	33,8	3600	560	348	1427
011445	NA2XS2Y 1X150/16	RMv	15	0,206	5,5	366	319	14,1	525	2,5	35	4500	182	435	1300
011325	NA2XS2Y 1X150/25	RMv	15	0,206	5,5	366	319	14,1	525	2,5	35	4500	283	435	1350
011446	NA2XS2Y 1X185/16	RMv	16,8	0,164	5,5	420	361	17,4	555	2,5	37	5550	182	537	1450
011321	NA2XS2Y 1X185/25	RMv	16,8	0,164	5,5	420	361	17,4	555	2,5	37	5550	283	537	1550
011449	NA2XS2Y 1X240/16	RMv	19,2	0,125	5,5	496	417	22,6	600	2,5	40	7200	182	696	1650
011448	NA2XS2Y 1X240/25	RMv	19,2	0,125	5,5	496	417	22,6	600	2,5	40	7200	283	696	1750
013076	NA2XS2Y 1X240/50	RMv	19,2	0,125	5,5	496	417	22,6	600	2,5	39,2	7200	560	696	1898
011450	NA2XS2Y 1X300/25	RMv	21,6	0,1	5,5	569	471	28,2	630	2,5	42	9000	283	870	2000
011451	NA2XS2Y 1X400/35	RMv	24,6	0,0778	5,5	660	535	37,6	675	2,5	45	12000	394	1160	2400
011452	NA2XS2Y 1X500/35	RMv	27,6	0,0605	5,5	766	609	47	720	2,5	48	15000	394	1450	2800
013077	NA2XS2Y 1X500/50	RMv	27,6	0,0605	5,5	766	609	47	720	2,5	47,7	15000	560	1450	2843
012227	NA2XS2Y 1X630/35	RMv	32,5	0,0469	5,5	890	675	59,2	780	2,5	52	18900	394	1827	3297
013152	NA2XS2Y 1X800/35	RMv	37,6	0,0367	5,5	1015	750	75,2	870	2,5	58	24000	394	2320	3900

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics NA2XS2Y 18/30 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
011453	NA2XS2Y 1X50/16	RMv	8,6	0,641	8	187	174	4,7	510	2,5	34	1500	182	145	1100
011454	NA2XS2Y 1X70/16	RMv	10,2	0,443	8	232	213	6,58	540	2,5	36	2100	182	203	1200
011455	NA2XS2Y 1X95/16	RMv	12	0,32	8	282	254	8,93	555	2,5	37	2850	182	276	1300
011456	NA2XS2Y 1X120/16	RMv	13,5	0,253	8	325	289	11,3	585	2,5	39	3600	182	348	1450
011457	NA2XS2Y 1X150/25	RMv	15	0,206	8	367	322	14,1	600	2,5	40	4500	283	435	1650
011458	NA2XS2Y 1X185/25	RMv	16,8	0,164	8	421	364	17,4	630	2,5	42	5550	283	537	1800
011459	NA2XS2Y 1X240/25	RMv	19,2	0,125	8	496	422	22,6	660	2,5	44	7200	283	696	2050
011460	NA2XS2Y 1X300/25	RMv	21,6	0,1	8	568	476	28,2	705	2,5	47	9000	283	870	2300
011461	NA2XS2Y 1X400/35	RMv	24,6	0,0778	8	659	541	37,6	750	2,5	50	12000	394	1160	2750
011462	NA2XS2Y 1X500/35	RMv	27,6	0,0605	8	764	616	47	795	2,5	53	15000	394	1450	3150
013116	NA2XS2Y 1X630/35	RMv	32,5	0,0469	8	890	675	59,2	930	2,5	62	18900	394	1827	3770
013091	NA2XS2Y 1X800/35	RMv	37,6	0,0367	8	1015	750	75,2		2,5		24000	394	2320	4310

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

DI	diameter of conductor
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
Al	Aluminium
G	weight

Medium voltage cable N2XS(F)2Y acc. to VDE 0276-620

conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
longitudinally water-tight:	yes
colour of outer sheath:	black
meter mark:	yes
flame retardant:	no
UV-resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	<i>N2XS(F)2Y 6/10 kV</i>	<i>N2XS(F)2Y 12/20 kV</i>	<i>N2XS(F)2Y 18/30 kV</i>
nominal voltage U₀:	6 kV	12 kV	18 kV
nominal voltage U:	10 kV	20 kV	30 kV
maximum permitted operating voltage in 3-phase systems:			
test voltage:	21 kV	42 kV	63 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation. The water blocking tape avoids water propagation inside the cable.

Austria:	E-2XHCJ2Y
Russia:	АПБЭГП



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics N2XS(F)2Y 6/10 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
013261	N2XS(F)2Y 01X35/16	RM	7,5	0,524	3,4	197	187	5	420	2,5	28	1750	518	820
011479	N2XS(F)2Y 01X50/16	RMv	8,6	0,387	3,4	236	220	7,15	375	2,5	25	2500	662	1150
011480	N2XS(F)2Y 01X70/16	RMv	10,2	0,268	3,4	294	268	10	405	2,5	27	3500	854	1400
011481	N2XS(F)2Y 01X95/16	RMv	12	0,193	3,4	358	320	13,6	420	2,5	28	4750	1094	1650
011482	N2XS(F)2Y 01X120/16	RMv	13,5	0,153	3,4	413	363	17,2	450	2,5	30	6000	1334	1900
011483	N2XS(F)2Y 01X150/25	RMv	15	0,124	3,4	468	405	21,4	465	2,5	31	7500	1723	2300
011484	N2XS(F)2Y 01X185/25	RMv	16,8	0,0991	3,4	535	456	26,5	495	2,5	33	9250	2059	2650
011485	N2XS(F)2Y 01X240/25	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35	12000	2587	3250
013271	N2XS(F)2Y 01X240/25	RMv	19,2	0,0754	3,4	631	526	34,3	525	2,5	35	12000	2587	3250
011486	N2XS(F)2Y 01X300/25	RMv	21,6	0,0601	3,4	722	591	42,9	555	2,5	37	15000	3163	3850

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
011487	N2XS(F)2Y 01X400/35	RMv	24,6	0,047	3,4	827	662	57,2	615	2,5	41	20000	4234	4800
011488	N2XS(F)2Y 01X500/35	RMv	27,6	0,0366	3,4	949	744	71,5	660	2,5	44	25000	5194	5900
012224	N2XS(F)2Y 01X630/35	RMv	32,5	0,0283	3,4	1090	820	90,1	735	2,5	49	31500	6442	7014

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics N2XS(F)2Y 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
011546	N2XS(F)2Y 1X35/16	RM	7,5	0,524	5,5	200	189	5	420	2,5	28	1750	518	1300
011489	N2XS(F)2Y 1X50/16	RMv	8,6	0,387	5,5	239	222	7,15	435	2,5	29	2500	662	1350
011490	N2XS(F)2Y 1X70/16	RMv	10,2	0,268	5,5	297	271	10	465	2,5	31	3500	854	1600
011317	N2XS(F)2Y 1X95/16	RMv	12	0,193	5,5	361	323	13,6	480	2,5	32	4750	1094	1900
011491	N2XS(F)2Y 1X120/16	RMv	13,5	0,153	5,5	416	367	17,2	510	2,5	34	6000	1334	2150
011492	N2XS(F)2Y 1X150/25	RMv	15	0,124	5,5	470	409	21,4	525	2,5	35	7500	1723	2500
011309	N2XS(F)2Y 1X185/25	RMv	16,8	0,0991	5,5	538	461	26,5	555	2,5	37	9250	2059	2900
011493	N2XS(F)2Y 1X240/25	RMv	19,2	0,0754	5,5	634	532	34,3	600	2,5	40	12000	2587	3500
011494	N2XS(F)2Y 1X300/25	RMv	21,6	0,0601	5,5	724	599	42,9	630	2,5	42	15000	3163	4150
011495	N2XS(F)2Y 1X400/35	RMv	24,6	0,047	5,5	829	671	57,2	675	2,5	45	20000	4234	5100
011496	N2XS(F)2Y 1X500/35	RMv	27,6	0,0366	5,5	953	754	71,5	720	2,5	48	25000	5194	6200
012225	N2XS(F)2Y 01X630/35	RMv	32,5	0,0283	5,5	1094	830	90,1	780	2,5	52	31500	6442	7365

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics N2XS(F)2Y 18/30 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu	G [kg]
011516	N2XS(F)2Y 01X50/16	RMv	8,6	0,387	8	241	225	7,15	510	2,5	34	2500	662	1650
011517	N2XS(F)2Y 01X70/16	RMv	10,2	0,268	8	299	274	10	540	2,5	36	3500	854	1900
011526	N2XS(F)2Y 01X95/16	RMv	12	0,193	8	363	327	13,6	555	2,5	37	4750	1094	2150
011519	N2XS(F)2Y 01X120/16	RMv	13,5	0,153	8	418	371	17,2	585	2,5	39	6000	1334	2450
011520	N2XS(F)2Y 01X150/25	RMv	15	0,124	8	472	414	21,4	600	2,5	40	7500	1723	2750
011521	N2XS(F)2Y 01X185/25	RMv	16,8	0,0991	8	539	466	26,5	630	2,5	42	9250	2059	3150
011972	N2XS(F)2Y 01X185/35	RMv	16,8	0,0991	8	539	466	26,5	630	2,5	42	9250	2175	2955
011522	N2XS(F)2Y 01X240/25	RMv	19,2	0,0754	8	635	539	34,3	660	2,5	44	12000	2587	3800
012216	N2XS(F)2Y 01X240/70	RMv	19,2	0,0754	8	539	539	34,3	660	2,5	44	12000	3084	3786
011523	N2XS(F)2Y 01X300/25	RMv	21,6	0,0601	8	725	606	42,9	705	2,5	47	15000	3163	4400
011524	N2XS(F)2Y 01X400/35	RMv	24,6	0,047	8	831	680	57,2	750	2,5	50	20000	4234	5450
011525	N2XS(F)2Y 01X500/35	RMv	27,6	0,0366	8	953	765	71,5	795	2,5	53	25000	5194	6550
012226	N2XS(F)2Y 01X630/35	RMv	32,5	0,0283	8	1094	841	90,1	870	2,5	58	31500	6442	7803
013743	N2XS(F)2Y 01X800/35 18/30 kV SW	RMv	37,6	0,0221	8	1250	890	114,4	930	2,5	62	40000	8094	9300

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

D _I	diameter of conductor
R _I	conductor resistance
W _I	thickness of insulation
I _{bl}	ampacity (in air)
I _{be}	ampacity (in ground)
I _k	short circuit current (1 s)
R _{bv}	bending radius, fixed installation
W _m	thickness of outer sheath
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Medium voltage cable NA2XS(F)2Y acc. to VDE 0276-620



conductor material:	aluminium
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
longitudinally water-tight:	yes
colour of outer sheath:	black
meter mark:	yes
flame retardant:	no
UV-resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	NA2XS(F)2Y 6/10 kV	NA2XS(F)2Y 12/20 kV	NA2XS(F)2Y 18/30 kV
nominal voltage U₀:	6 kV	12 kV	18 kV
nominal voltage U:	10 kV	20 kV	30 kV
maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV	36 kV
test voltage:	21 kV	42 kV	63 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation. The water blocking tape avoids water propagation inside the cable.

Austria:	E-A2XHCJ2Y
Russia:	АПвЭгП



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics NA2XS(F)2Y 6/10 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
011463	NA2XS(F)2Y 1X50/16	RMv	8,6	0,641	3,4	183	171	4,7	375	2,5	25	1500	182	145	850
011464	NA2XS(F)2Y 1X70/16	RMv	10,2	0,443	3,4	228	208	6,58	405	2,5	27	2100	182	203	950
011465	NA2XS(F)2Y 1X95/16	RMv	12	0,32	3,4	278	248	8,93	420	2,5	28	2850	182	276	1100
011466	NA2XS(F)2Y 1X120/16	RMv	13,5	0,253	3,4	321	283	11,3	450	2,5	30	3600	182	348	1200
011467	NA2XS(F)2Y 1X150/25	RMv	15	0,206	3,4	364	315	14,1	465	2,5	31	4500	283	435	1400
011468	NA2XS(F)2Y 1X185/25	RMv	16,8	0,164	3,4	418	357	17,4	495	2,5	33	5550	283	537	1550
011469	NA2XS(F)2Y 1X240/25	RMv	19,2	0,125	3,4	494	413	22,6	525	2,5	35	7200	283	696	1750

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
011470	NA2XS(F)2Y 1X300/25	RMv	21,6	0,1	3,4	568	466	28,2	555	2,5	37	9000	283	870	2050
011471	NA2XS(F)2Y 1X400/35	RMv	24,6	0,0778	3,4	660	529	37,6	600	2,5	40	12000	394	1160	2450
012925	NA2XS(F)2Y 1X400/50	RMv	24,6	0,0778	3,4	660	529	37,6	600	2,5	40	12000	560	1160	2200
011472	NA2XS(F)2Y 1X500/35	RMv	27,6	0,0605	3,4	767	602	47	660	2,5	44	15000	394	1450	2850
012053	NA2XS(F)2Y 1X630/35	RMv	32,5	0,0469	3,4	890	675	59,2	735	2,5	49	18900	394	1827	2969
013230	NA2XS(F)2Y 1X800/35	RMv		0,0367	2,4	1022	733	75,2	780	2,5	52	24000	394	2320	3400
013032	NA2XS(F)2Y 1X1000/35	RMv		0,0291	3,4	1151	856	94	840	2,5	63	30000	394	2900	4780

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics NA2XS(F)2Y 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
011473	NA2XS(F)2Y 1X50/16	RMv	8,6	0,641	5,5	185	172	4,7	435	2,5	29	1500	182	145	1050
011474	NA2XS(F)2Y 1X70/16	RMv	10,2	0,443	5,5	231	210	6,58	465	2,5	31	2100	182	203	950
011320	NA2XS(F)2Y 1X95/16	RMv	12	0,32	5,5	280	251	8,93	480	2,5	32	2850	182	276	1300
011319	NA2XS(F)2Y 1X120/16	RMv	13,5	0,253	5,5	323	285	11,3	510	2,5	34	3600	182	348	1450
012543	NA2XS(F)2Y 1X150/50	RMv	15	0,206	5,5	366	319	14,1		2,5		4500	560	348	1718
012785	NA2XS(F)2Y 1X150/16	RMv	15	0,206	5,5	366	319	14,1	540	2,5	36	4500	182	435	1254
011306	NA2XS(F)2Y 1X150/25	RMv	15	0,206	5,5	366	319	14,1	540	2,5	36	4500	283	435	1650
013062	NA2XS(F)2Y 1X150/50	RMv	15	0,206	5,5	366	319	14,1	540	2,5	36,4	4500	560	435	1560
011307	NA2XS(F)2Y 1X185/25	RMv	16,8	0,164	5,5	420	361	17,4	555	2,5	37	5550	283	537	1800
013540	NA2XS(F)2Y 1X240/16	RMv	19,2	0,125	5,5	496	417	22,6		2,5		7200	182	696	1580
011308	NA2XS(F)2Y 1X240/25	RMv	19,2	0,125	5,5	496	417	22,6	600	2,5	40	7200	283	696	2050
012544	NA2XS(F)2Y 1X240/50	RMv	19,2	0,125	5,5	496	417	22,6		2,5		7200	560	435	2237
011475	NA2XS(F)2Y 1X300/25	RMv	21,6	0,1	5,5	569	471	28,2	630	2,5	42	9000	283	870	2300
013063	NA2XS(F)2Y 1X300/50	RMv	21,6	0,1	5,5	569	471	28,2	630	2,5	42	9000	560	870	2120
013541	NA2XS(F)2Y 1X400/16	RMv	24,6	0,0778	5,5	660	535	37,6		2,5		12000	182	1160	2104
011476	NA2XS(F)2Y 1X400/35	RMv	24,6	0,0778	5,5	660	535	37,6	675	2,5	45	12000	394	1160	2800
011477	NA2XS(F)2Y 1X500/35	RMv	27,6	0,0605	5,5	766	609	47	720	2,5	48	15000	394	1450	3200
013064	NA2XS(F)2Y 1X500/50	RMv	27,6	0,0605	5,5	766	609	47	720	2,5	48,3	15000	560	1450	2840
011838	NA2XS(F)2Y 1X630/35	RMv	32,5	0,0469	5,5	890	675	59,2	780	2,5	52	18900	394	1827	3268
013065	NA2XS(F)2Y 1X630/50	RMv	27,6	0,0469	5,5	766	609	47	780	2,5	52,2	15000	560	1827	3320
012258	NA2XS(F)2Y 1X800/35	RMv	37,6	0,0367	5,5	1015	750	75,2	900	2,5	60	24000	394	2320	3973
013570	NA2XS(F)2Yv 1X150/25	RMv	15	0,206	5,5	366	319	14,1	600	3	36	4500	283	435	1300
014388	NA2XS(F)2Yv 01X185/25 12/20 kV SW Außenmantel 3,6 mm verstärkt		16,8	0,164	5,5	420	361	17,4		3			283	537	1732
013207	NA2XS(F)2Yv 1X240/25 enforced sheath 3,5 mm	RMv	19,2	0,125	5,5	496	417	22,6	660	3	40	7200	283	696	1700

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics NA2XS(F)2Y 18/30 kV

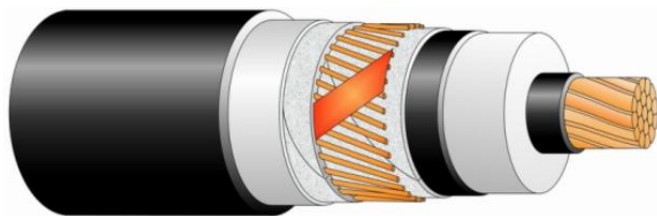
p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N/kg/km]	Cu [kg/km]	Al [kg/km]	G [kg]
011534	NA2XS(F)2Y 1X50/16	RMv	8,6	0,641	8	187	174	4,7	510	2,5	34	1500	182	145	1350
011478	NA2XS(F)2Y 1X70/16	RMv	10,2	0,443	8	232	213	6,58	540	2,5	36	2100	182	203	1450
011535	NA2XS(F)2Y 1X95/16	RMv	12	0,32	8	282	254	8,93	555	2,5	37	2850	182	276	1600
013275	NA2XS(F)2Y 1X95/35	RMv	12	0,32	8	282	254	8,93	563	2,5	37,5	2850	396	396	1420
011536	NA2XS(F)2Y 1X120/16	RMv	13,5	0,253	8	325	289	11,3	585	2,5	39	3600	182	348	1750
013276	NA2XS(F)2Y 1X120/35	RMv	13,5	0,253	8	325	289	11,3	585	2,5	39	3600	396	348	1560
011537	NA2XS(F)2Y 1X150/25	RMv	15	0,206	8	367	322	14,1	600	2,5	40	4500	283	435	1950
013279	NA2XS(F)2Y 1X150/35	RMv	15	0,206	8	367	322	14,1	600	2,5	40,5	4500	396	435	1670
011538	NA2XS(F)2Y 1X185/25	RMv	16,8	0,164	8	421	364	17,4	630	2,5	42	5550	283	537	2150
013277	NA2XS(F)2Y 1X185/35	RMv	16,8	0,164	8	421	364	17,4	630	2,5	42	5550	396	537	1825
011539	NA2XS(F)2Y 1X240/25	RMv	19,2	0,125	8	496	422	22,6	660	2,5	44	7200	283	696	2400
011540	NA2XS(F)2Y 1X300/25	RMv	21,6	0,1	8	568	476	28,6	705	2,5	47	9000	283	870	2700
013280	NA2XS(F)2Y 1X300/35	RMv	21,6	0,1	8	568	476	28,6	690	2,5	46	9000	396	870	2285
011541	NA2XS(F)2Y 1X400/35	RMv	24,6	0,0778	8	659	541	37,6	750	2,5	50	12000	394	1160	3200
013198	NA2XS(F)2Y 1X400/70	RMv	24,6	0,0778	8	659	541	37,6		2,5		12000	791	1160	3650
011542	NA2XS(F)2Y 1X500/35	RMv	27,6	0,0605	8	764	616	47	795	2,5	53	15000	394	1450	3650

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
013278	NA2XS(F)2Y 1X500/50	RMv	27,6	0,0605	8	764	616	47	818	2,5	54,5	15000	565	1450	3310
012223	NA2XS(F)2Y 1X630/35	RMv	32,5	0,0469	8	890	675	59,2	900	2,5	60	18900	394	1827	3738
013067	NA2XS(F)2Y 1X800/35	RMv	37,6	0,0367	8	1015	750	75,2	975	2,5	65	24000	394	2320	4367

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

DI	diameter of conductor
RI	conductor resistance
WI	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
Al	Aluminium
G	weight

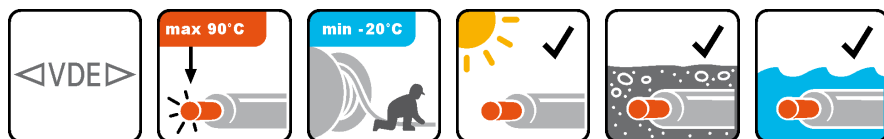
Medium voltage cable N2XS(FL)2Y acc. to VDE 0276-620



conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
bonded sheath:	yes
transverse water-tight:	yes
longitudinally water-tight:	yes
colour of outer sheath:	black
meter mark:	yes
UV-resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	<i>N2XS(FL)2Y 6/10 kV</i>	<i>N2XS(FL)2Y 12/20 kV</i>	<i>N2XS(FL)2Y 18/30 kV</i>
nominal voltage U₀:	6 kV	12 kV	18 kV
nominal voltage U:	10 kV	20 kV	30 kV
maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV	36 kV
test voltage:	21 kV	42 kV	63 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the laminated PE-sheath permits strong mechanical stress during installation or during operation. The water blocking tape avoids water propagation inside the cable.



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Table: Technical characteristics N2XS(FL)2Y 6/10 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
014065	N2XS(FL)2Y 01X50/16 6/10 kV SW	RMv	8,6	0,387	3,4	236	220	7,15	375	2,5	25	2500	662	1150
013521	N2XS(FL)2Y 1X70/16	RMv	10,2	0,268	3,4	294	268	13,6	480	2,5	32	3500	854	1300
012467	N2XS(FL)2Y 1X95/16	RMv	12	0,193	3,4	358	320	13,6	435	2,5	29	4750	1094	1450
012459	N2XS(FL)2Y 1X120/16	RMv	13,5	0,153	3,4	413	363	17,2	465	2,5	31	6000	1334	1900
012639	N2XS(FL)2Y 1X150/25	RMv	15	0,124	3,4	468	405	21,4	480	2,5	32	7500	1723	1997

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
012582	N2XS(FL)2Y 1X185/25	RMv	16,8	0,0991	3,4	535	456	26,5	510	2,5	34	9250	2059	2463
011825	N2XS(FL)2Y 1X240/25	RMv	19,2	0,0754	3,4	631	526	34,3	540	2,5	36	12000	2587	3050
012001	N2XS(FL)2Y 1X300/25	RMv	21,6	0,0601	3,4	722	591	42,9	570	2,5	38	15000	3163	3720
012613	N2XS(FL)2Y 1X500/35	RMv	27,6	0,0366	3,4	949	744	71,5	675	2,5	45	25000	5194	5878
012654	N2XS(FL)2Y 1X630/35	RMv	32,5	0,0283	3,4	1070	805	90,1	675	2,5	48	31500	6442	7014

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics N2XS(FL)2Y 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
013117	N2XS(FL)2Y 1X50/16	RMv	8,6	0,387	5,5	239	222	7,15	510	2,5	34	2500	662	1170
013118	N2XS(FL)2Y 1X70/16	RMv	10,2	0,268	5,5	297	271	10	540	2,5	36	3500	854	1470
011786	N2XS(FL)2Y 1X95/16	RMv	12	0,193	5,5	361	323	13,6	495	2,5	33	4750	1094	1900
013119	N2XS(FL)2Y 1X120/16	RMv	13,5	0,153	5,5	416	367	17,2	585	2,5	39	6000	1334	2260
013033	N2XS(FL)2Y 1X150/25	RMv	15	0,124	5,5	468	405	21,4	570	2,5	38	7500	1723	2318
013030	N2XS(FL)2Y 1X240/25	RMv	19,2	0,0754	5,5	631	526	34,3	615	2,5	41	12000	2587	3700
011750	N2XS(FL)2Y 1X300/25	RMv	21,6	0,0601	5,5	724	599	42,9	645	2,5	43	15000	3163	3940
013561	N2XS(FL)2Y 1X400/35	RMv	24,6	0,047	5,5	827	662	71,5	750	2,5	50	20000	4234	4850
012228	N2XS(FL)2Y 1X500/35	RMv	27,6	0,0366	5,5	953	754	71,5	750	2,5	50	25000	5194	5948
013974	N2XS(FL)2Y 01X630/35	RMv	32,5	0,0283	5,5	1074	815	90,1	795	2,5	53	31500	6442	7400

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics N2XS(FL)2Y 18/30 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
013663	N2XS(FL)2Y 01X95 RM/16	RMv	12	0,193	8	363	327	13,6	570	2,5	38	4750	1094	1900
013640	N2XS(FL)2Y 1X150/25	RMv	15	0,124	8	472	414	21,4	675	2,5	45	7500	1723	2650
013664	N2XS(FL)2Y 01X240 RM/16	RMv	19,2	0,0754	8	635	539	34,3	675	2,6	45	12000	2587	3500
012779	N2XS(FL)2Y 1X300/25	RMv	21,6	0,0601	8	725	606	42,9	736	2,5	49,1	15000	3163	4151
013227	N2XS(FL)2Y 1X400/35	RMv	24,6	0,0478	8	831	680	57,2	760	2,5	50,7	20000	4234	5045

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

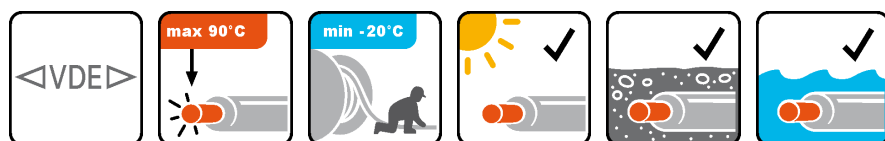
D _I	diameter of conductor
R _I	conductor resistance
W _I	thickness of insulation
I _{bl}	ampacity (in air)
I _{be}	ampacity (in ground)
I _k	short circuit current (1 s)
R _{bv}	bending radius, fixed installation
W _m	thickness of outer sheath
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Medium voltage cable NA2XS(FL)2Y acc. to VDE 0276-620

conductor material:	aluminium
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
bonded sheath:	yes
transverse water-tight:	yes
longitudinally water-tight:	yes
colour of outer sheath:	black
meter mark:	yes
flame retardant:	no
UV-resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	NA2XS(FL)2Y 6/10 kV	NA2XS(FL)2Y 12/20 kV	NA2XS(FL)2Y 18/30 kV
nominal voltage U₀:	6 kV	12 kV	18 kV
nominal voltage U:	10 kV	20 kV	30 kV
maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV	36 kV
test voltage:	21 kV	42 kV	63 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the laminated PE-sheath permits strong mechanical stress during installation or during operation. The water blocking tape avoids water propagation inside the cable.



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Table: Technical characteristics NA2XS(FL)2Y 6/10 kV

p/n	part name		D _i [mm]	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
013643	NA2XS(FL)2Y 1X120/16	RMv	12	0,32	3,4	323	285	11,2	465	2,5	31	3600	182	348	1290
012924	NA2XS(FL)2Y 1X120/50	RMv	12	0,32	3,4	323	285	11,2	465	2,5	31	3600	560	348	1300
012961	NA2XS(FL)2Y 1X120/70	RMv	12	0,32	3,4	323	285	11,2	480	2,5	32	3600	791	348	1600
012462	NA2XS(FL)2Y 1X150/25	RMv	15	0,206	3,4	321	283	14,1	480	2,5	32	4500	283	435	1156
012461	NA2XS(FL)2Y 1X240/25	RMv	19,2	0,125	3,4	494	413	22,6	540	2,5	36	7200	283	696	1850
012545	NA2XS(FL)2Y 1X240/50	RMv	19,2	0,125	3,4	494	413	22,6	540	2,5	36	7200	560	696	1740
012988	NA2XS(FL)2Y 1X240/70	RMv	19,2	0,125	3,4	494	413	22,6	600	2,5	40	7200	791	696	2550
013155	NA2XS(FL)2Y 1X300/25	RMv	21,6	0,1	3,4	568	466	28,2		2,5		9000	283	870	2466
012463	NA2XS(FL)2Y 1X400/35	RMv	24,6	0,0778	3,4	660	529	37,6	630	2,5	42	12000	394	1160	2466
012962	NA2XS(FL)2Y 1X500/70	RMv	27,6	0,0605	3,4	767	602	47	690	2,5	46	15000	791	1450	3250

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

Table: Technical characteristics NA2XS(FL)2Y 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
013953	(N)A2XS(FL)2Y 1X50/16	RMv	8,6	0,641	5,5	183	171	4,7	450	2,5	30	1500	182	145	1100
012533	NA2XS(FL)2Y 1X70/16	RMv	10,2	0,443	5,5	213	210	6,58	480	2,5	32	2100	182	203	1000
012568	NA2XS(FL)2Y 1X70/25	RMv	10,2	0,443	5,5	213	210	6,58	480	2,5	32	2100	283	203	1395
012989	NA2XS(FL)2Y 1X95/25	RMv	12	0,32	5,5	280	251	8,93	525	2,5	35	3600	283	276	1400
011783	NA2XS(FL)2Y 1X120/16	RMv	13,5	0,253	5,5	323	285	11,3	525	2,5	35	3600	182	348	1250
012569	NA2XS(FL)2Y 1X120/50	RMv	13,5	0,253	5,5	323	285	11,3	525	2,5	35	3600	560	348	1540
012784	NA2XS(FL)2Y 1X150/16	RMv	15	0,206	5,5	366	319	14,1	540	2,5	36	4500	182	435	1254
012512	NA2XS(FL)2Y 1X150/25	RMv	15	0,206	5,5	366	319	14,1	540	2,5	36	4500	283	435	1650
013786	NA2XS(FL)2Yv 1X150/25	RMv	15	0,206	5,5	366	319	14,1	585	3,5	39,5	4500	283	435	1683
012963	NA2XS(FL)2Y 1X150/50	RMv	15	0,206	5,5	366	319	14,1	570	2,5	38	4500	565	435	2050
012990	NA2XS(FL)2Y 1X150/70	RMv	15	0,206	5,5	366	319	14,1	615	2,5	41	4500	435	791	2150
012987	NA2XS(FL)2Y 1X185/25	RMv	16,8	0,164	5,5	420	361	17,5	570	2,5	38	5550	283	537	2000
013787	NA2XS(FL)2Yv 1X185/25	RMv	16,8	0,164	5,5	420	361	17,5	600	3,5	40	5550	283	537	2040
012964	NA2XS(FL)2Y 1X185/50	RMv	16,8	0,164	5,5	420	361	17,5	585	2,5	39	5550	565	537	2400
011848	NA2XS(FL)2Y 1X240/25	RMv	19,2	0,125	5,5	496	417	22,6	615	2,5	41	7200	283	696	1850
012817	NA2XS(FL)2Yv 1X240/25	RMv	19,2	0,125	5,5	496	417	22,6	630	3,5	44,5	7200	283	696	1900
012991	NA2XS(FL)2Y 1X240/35	RMv	19,2	0,125	5,5	496	417	22,6	645	2,5	43	7200	394	696	2150
012882	NA2XS(FL)2Y 1X240/50	RMv	19,2	0,125	5,5	496	417	22,6	615	2,5	41	7200	560	696	2100
012992	NA2XS(FL)2Y 1X240/70	RMv	19,2	0,125	5,5	496	417	22,6	660	2,5	44	7200	791	394	2550
012927	NA2XS(FL)2Y 1X300/25	RMv	21,6	0,1	5,5	568	466	28,2	660	2,5	44	9000	283	870	2550
011852	NA2XS(FL)2Y 1X400/35	RMv	24,6	0,0778	5,5	660	535	37,6	675	2,5	45	12000	394	1160	2466
012762	NA2XS(FL)2Y 1X500/35	RMv	27,6	0,0605	5,5	766	609	47	750	2,5	50	15000	394	1450	2823

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

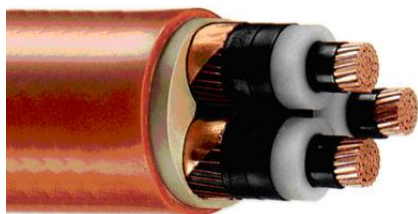
Table: Technical characteristics NA2XS(FL)2Y 18/30 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	Al [kg/km]	G [kg]
013171	NA2XS(FL)2Y 1X70/16	RMv	10,2	0,443	8	232	213	6,58	615	2,5	41	2100	182	203	1300
012509	NA2XS(FL)2Y 1X95/16	RMv	12	0,32	8	282	254	8,93	570	2,5	38	2850	182	276	1150
012657	NA2XS(FL)2Y 1X120/16	RMv	13,5	0,253	8	325	289	11,3	600	2,5	40	3600	182	348	1750
013172	NA2XS(FL)2Y 1X150/25	RMv	15	0,206	8	367	322	14,1	675	2,5	45	4500	283	435	1800
013173	NA2XS(FL)2Y 1X185/25	RMv	16,8	0,164	8	421	364	17,4	705	2,5	47	5550	283	537	1950
012510	NA2XS(FL)2Y 1X240/25	RMv	19,2	0,125	8	496	364	22,6	675	2,5	45	7200	283	696	1850
012658	NA2XS(FL)2Y 1X300/25	RMv	21,6	0,1	8	568	476	28,6	720	2,5	48	9000	283	870	2700
012511	NA2XS(FL)2Y 1X400/35	RMv	24,6	0,0778	8	659	541	37,6	765	2,5	51	12000	394	1160	2466
013174	NA2XS(FL)2Y 1X500/35	RMv	27,6	0,0605	8	764	616	47	870	2,5	58	15000	394	1450	3300

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

DI	diameter of conductor
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
Al	Aluminium
G	weight

Medium voltage cable N2XSEY acc. to VDE 0276-620



conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	PVC DMV6
colour of outer sheath:	red
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC
nominal voltage U₀:	6 kV
nominal voltage U:	10 kV
maximum permitted operating voltage in 3-phase systems:	12 kV
test voltage:	21 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. Acc. to VDE 0276-603 cables must be protected against direct sun irradiation.

Austria: E-2XHCEY
Russia: ПвЭВ



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Table: Technical characteristics N2XSEY 6/10 kV

p/n	part name		D _i [mm]	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu [kg]	G [kg]
011310	N2XSEY 03X35/16 6/10 kV	RM	7,5	0,524	3,4	178	187	5	588	2,5	49	1750	1209	3300
011311	N2XSEY 03X50/16 6/10 kV	RM	8,6	0,387	3,4	213	213	7,15	624	2,5	52	2500	1671	3900
011312	N2XSEY 03X70/16 6/10 kV	RM	10,2	0,268	3,4	265	261	10	660	2,5	55	3500	2247	4700
011313	N2XSEY 03X95/16 6/10 kV	RM	12	0,193	3,4	322	312	13,6	720	2,5	60	14250	2994	5850
011314	N2XSEY 03X120/16 6/10 kV	RM	13,5	0,153	3,4	370	355	17,2	768	2,5	64	6000	3714	6800
011315	N2XSEY 03X150/25 6/10 kV	RM	15	0,124	3,4	420	399	21,4	804	2,5	67	22500	4638	7950
011316	N2XSEY 03X185/25 6/10 kV	RM	16,8	0,0991	3,4	481	451	26,5	852	2,5	71	27750	5646	9300
011497	N2XSEY 03X240/25 6/10 kV	RM	19,2	0,0754	3,4	566	523	34,3	924	2,5	77	36000	7272	11550

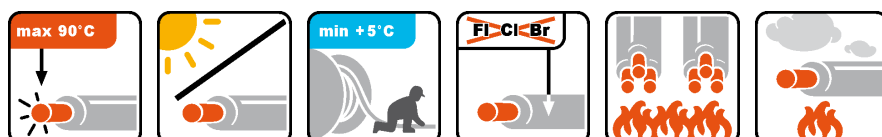
p/n	part name		D _l [mm]	R _l [Ω/km]	W _i [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N][kg/km]	Cu [kg/km]	G [kg]
013316	N2XSEY 03X300/25 6/10 kV	RM	21,6	0,0601	3,4	648	590	42,9	960	2,5	80	45000	9160	12200

Dl	diameter of conductor
Rl	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Ibe	ampacity (in ground)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Medium voltage cable N2XSH acc. to VDE 0276-622

conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	FRNC-compound HM4
colour of outer sheath:	black
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	<i>N2XSH 6/10 kV</i>	<i>N2XSH 12/20 kV</i>	<i>N2XSH 18/30 kV</i>
nominal voltage U₀:	6 kV	12 kV	18 V
nominal voltage U:	10 kV	20 kV	30 V
maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV	36 kV
test voltage:	21 kV	42 kV	63 kV



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Table: Technical characteristics N2XSH 6/10 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _k [kA]	R _{dv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
013511	N2XSH 1X50/16	RMv	8,6	0,524	3,4	236	7,15	390	2,5	26	2500	662	1050
012736	N2XSH 1X70/16	RMv	10,2	0,268	3,4	294	10	405	2,5	27	3500	854	1300
012083	N2XSH 1X95/16	RMv	12	0,193	3,4	358	13,6	435	2,5	29	4750	1094	1561
012764	N2XSH 1X120/16	RMv	13,5	0,153	3,4	413	17,2	450	2,5	30	6000	1334	1688
012075	N2XSH 1X150/16	RMv	15	0,124	3,4	468	21,4	465	2,5	31	7500	1723	2290
013758	N2XSH 1X150/25	RMv	15	0,124	3,4	468	21,4	480	2,5	32	7500	1723	3250
012737	N2XSH 1X185/25	RMv	16,8	0,0991	3,4	535	26,5	510	2,5	34	9250	2059	2550
012954	N2XSH 1X240/25	RMv	19,2	0,0754	3,4	631	34,3	525	2,5	36	12000	2587	3106
012955	N2XSH 1X300/25	RMv	21,6	0,0601	3,4	722	42,9	600	2,5	40	15000	3163	3750
012956	N2XSH 1X400/35	RMv	24,6	0,047	3,4	827	57,2	630	2,5	42	20000	4234	4660
012634	N2XSH 1X400/75	RMv	24,6	0,047	3,4	827	57,2	615	2,5		20000	4620	5194
012765	N2XSH 1X500/35	RMv	27,6	0,0366	3,4	949	71,5	660	2,5	44	25000	5194	5200
012635	N2XSH 1X630/25	RMv	32,5	0,0283	3,4	1090	90,1	690	2,5	46	31500	6442	8697

Table: Technical characteristics N2XSH 12/20 kV

p/n	part name		D _I [mm]	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	I _k [kA]	R _{bv} [mm]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
013813	N2XSH 1X35/16	RMv	7,5	0,524	5,5	189	5	435	2,5	29	1750	518	1080
013814	N2XSH 1X50/16	RMv	8,6	0,524	5,5	239	7,15	450	2,5	30	2500	662	1240
013636	N2XSH 1X70/16	RMv	10,2	0,268	5,5	297	10	480	2,5	32	3500	854	1500
013490	N2XSH 1X95/16	RMv	12	0,193	5,5	361	13,6	495	2,5	33	4750	1094	1730
013491	N2XSH 1X185/25	RMv	16,8	0,0991	5,5	538	26,5	570	2,5	38	9250	2059	2810
012957	N2XSH 1X240/25	RMv	19,2	0,0754	5,5	634	34,3	600	2,5	40	12000	2587	3400
012958	N2XSH 1X400/35	RMv	24,6	0,047	5,5	829	57,2	690	2,5	46	20000	4234	4950

Table: Technical characteristics N2XSH 18/30 kV

p/n	part name		W _I [mm]	I _{bl} [A]	I _k [kA]	W _m [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
013797	N2XSH 01X70/16 18/30 kV SW	RMv	8	299	10	2,5	35	3500	854	2000
013791	N2XSH 01X240/50 18/30 kV SW	RMv	8	634	34,3	2,5	45	12000	2869	3900
013792	N2XSH 01X240/70 18/30 kV SW	RMv	8	634	34,3	2,5	46	12000	3095	4100

DI	diameter of conductor
RI	conductor resistance
WI	thickness of insulation
Ibl	ampacity (in air)
Ik	short circuit current (1 s)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

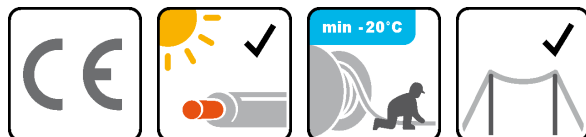
Overhead line (N)FA2X acc. to VDE 0274 (Z)



conductor material: aluminium
conductor construction: stranded, class 2
insulation: XLPE
UV-resistant: yes
max. operating temperature, -20 - +80 °C
fixed:

nominal voltage U₀: 600 V
nominal voltage U: 1 kV
maximum permitted 1,2 kV
operating voltage in 3-phase
systems:

Application: For overhead distribution, mainly for public distribution with a highest voltage not above 1,2 kV.



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Table: Technical characteristics NFA2X

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	D _A [mm]	AI [kg/km]	G [kg]
011699	NFA2X 0,6/1 kV 04X25 RM SW	1,2	1,3	107	22	290	427
090072	NFA2X 0,6/1 kV 01X16 RM SW	1,91	1,2	66	8	46,4	74
090026	NFA2X 0,6/1 kV 01X25 RM SW	1,2	1,3	107	10	72	105
090091	NFA2X 0,6/1 kV 01X35 RM SW	0,869	1,3	132	11	102	133
090092	NFA2X 0,6/1 kV 01X50 RM SW	0,641	1,5	165	12,5	145	180
090025	NFA2X 0,6/1 kV 01X70 RM SW	0,443	1,5	205	14	203	258
090095	NFA2X 0,6/1 kV 01X95 RM SW	0,32	1,7	245	15,4	276	334
090172	NFA2X 0,6/1 kV 01X150 RM SW	0,206		334	19	435	510
090073	NFA2X 0,6/1 kV 02X16 RM SW	1,91	1,2	66	15,6	93	147
090028	NFA2X 0,6/1 kV 02X25 RM SW	1,2	1,3	107		144	200
090114	NFA2X 0,6/1 kV 02X35 RM SW	0,869	1,3	132	19,5	204	260
090075	NFA2X 0,6/1 kV 04X16 RM SW	1,91	1,2	66	18,8	186	285
090023	NFA2X 0,6/1 kV 04X35 RM SW	0,869	1,3	132	25	406	620

p/n	part name	R_l [Ω/km]	W_i [mm]	I_{bl} [A]	D_A [mm]	Al [kg/km]	G [kg]
090029	NFA2X 0,6/1 kV 04X50 RM SW	0,641	1,5	165	28	580	785
090024	NFA2X 0,6/1 kV 04X70 RM SW	0,443	1,5	205	32	812	1032
090078	NFA2X 0,6/1 kV 04X70 RM + 01X25 RM SW	0,443	1,5	205	36	885	1105
090105	NFA2X 0,6/1 kV 04X70 RM + 01X35 RM SW	0,443	1,5	205	36,2	914	1150
090098	NFA2X 0,6/1 kV 04X70 RM + 02X25 RM SW	0,443	1,5	205		956	1232
090080	NFA2X 0,6/1 kV 04X70 RM + 02X35 RM SW	0,443	1,5	205	40,1	1016	1254
090030	NFA2X 0,6/1 kV 04X95 RM SW	0,32	1,7	245	37	1102	1332
090108	NFA2X 0,6/1 kV 04X95 RM + 01X35 RM SW	0,32	1,7	245	41,8	1204	1468

R_l conductor resistance

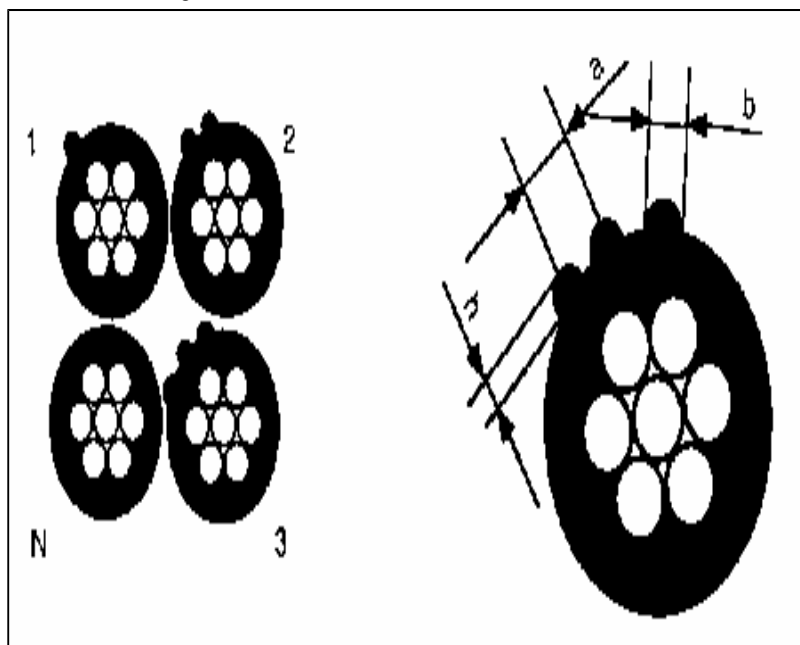
W_i thickness of insulation

I_{bl} ampacity (in air)

D_A outer diameter

Al Aluminium

G weight



Sheathed Building Wire NYM-J/-O acc. to VDE 0250-204

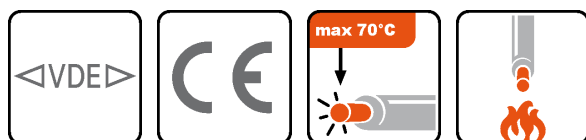


conductor material: bare copper
insulation: PVC TI1
sheathing material: PVC TM1
colour of outer sheath: gray RAL 7035
flame retardant: VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, -40 - +70 °C
fixed:
temperature, moved/during 5 - 70 °C
installation:

	<i>NYM-J</i>	<i>NYM-O</i>
nominal voltage U₀:	300 V	300 V
nominal voltage U:	500 V	500 V
test voltage:	2 kV	2 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers	colored acc. to HD 308; more than 5 cores: numbers

Application: For installation in, on or under plaster, in dry, damp or wet rooms as well as in walls and concrete. Also suitable for installation outdoors if protected against direct sun irradiation.

Denmark: N05VV-U
Finnland: MMJ F2
Norway: PFXP
Austria: YM



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Table: Technical characteristics NYM-J

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	W _m [mm]	D _A [mm]	Cu [kg/km]	G [kg]
020003	NYM-J 01X2,5 GR	RE	7,41	0,7		23,2	1,4	5,8	24	70
020004	NYM-J 01X4 GR	RE	4,61	0,8		25,6	1,4	6,4	38	80
020005	NYM-J 01X6 GR	RE	3,08	0,8		27,2	1,4	6,8	58	105
020001	NYM-J 01X10 GR	RE	1,83	1		32	1,4	8	96	155
020002	NYM-J 01X16 GR	RM	1,15	1		36,4	1,4	9,1	154	230
020150	NYM-J 01X25 GR	RM	0,727	1,2		49,2	1,4	12,3	240	330
020006	NYM-J 03X1,5 GR	RE	12,1	0,6	19,5	32,8	1,4	8,2	43	135
020007	NYM-J 03X1,5/TR GR	RE	12,1	0,6	19,5	32,8	1,4	8,2	43	135
020009	NYM-J 03X2,5 GR	RE	7,41	0,7	27	37,6	1,4	9,4	72	190
020166	NYM-J 03X2,5/TR GR	RE	7,41	0,7	27	37,6	1,4	9,4	72	190
020010	NYM-J 03X4 GR	RE	4,61	0,8	36	43,2	1,4	10,8	115	265
020044	NYM-J 03X6 GR	RE	3,08	0,8	46	48,8	1,6	12,2	173	315
020050	NYM-J 03X10 GR	RE	1,83	1	63	58,8	1,6	14,7	288	465
020011	NYM-J 04X1,5 GR	RE	12,1	0,6	19,5	35,2	1,4	8,8	58	160
020012	NYM-J 04X1,5/TR GR	RE	12,1	0,6	19,5	35,2	1,4	8,8	58	160

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	W _m [mm]	D _A [mm]	Cu [kg/km]	G [kg]
020015	NYM-J 04X2,5 GR	RE	7,41	0,7	24	40,8	1,4	10,2	96	230
020169	NYM-J 04X2,5/TR GR	RE	7,41	0,7	24	40,8	1,4	10,2	96	230
020018	NYM-J 04X4 GR	RE	4,61	0,8	32	48,4	1,6	12,1	154	330
020019	NYM-J 04X6 GR	RE	3,08	0,8	41	53,2	1,6	13,3	230	460
020013	NYM-J 04X10 GR	RE	1,83	1	57	64,4	1,6	16,1	384	690
020014	NYM-J 04X16 GR	RM	1,15	1	76	76	1,6	19	614	1090
020016	NYM-J 04X25 GR	RM	0,727	1,2	96	93,6	1,8	23,4	960	1640
020017	NYM-J 04X35 GR	RM	0,524	1,2	119	102,8	1,8	25,7	1344	2090
020020	NYM-J 05X1,5 GR	RE	12,1	0,6	17,5	38	1,4	9,5	72	190
020021	NYM-J 05X1,5/TR GR	RE	12,1	0,6	17,5	38	1,4	9,5	72	190
020024	NYM-J 05X2,5 GR	RE	7,41	0,7	24	44	1,4	11	120	270
020170	NYM-J 05X2,5/TR GR	RE	7,41	0,7	24	44	1,4	11	120	270
020026	NYM-J 05X4 GR	RE	4,61	0,8	32	52,8	1,6	13,2	192	410
020027	NYM-J 05X6 GR	RE	3,08	0,8	41	58	1,6	14,5	288	540
020022	NYM-J 05X10 GR	RE	1,83	1	57	70,8	1,6	17,7	480	850
020023	NYM-J 05X16 GR	RM	1,15	1	76	84,8	1,8	21,2	768	1350
020025	NYM-J 05X25 GR	RM	0,727	1,2	96	102,8	1,8	25,7	1200	1990
020295	NYM-J 05X35 GR	RM	0,524	1,2	119	134	1,8	33,5	1680	2160
020028	NYM-J 07X1,5 GR	RE	12,1	0,6	19,5	42	1,4	10,5	101	235
020029	NYM-J 07X2,5 GR	RE	7,41	0,7	27	50,4	1,6	12,6	168	350
020300	NYM-J 08X1,5 GR	RE	12,1	0,6	19,5	50	1,6	12,5	115	237
020030	NYM-J 10X1,5 GR	RE	12,1	0,6	19,5	57,2	1,6	14,3	144	330
020045	NYM-J 12X1,5 GR	RE	12,1	0,6	19,5	57,6	1,6	14,4	173	400
020307	NYM-J 16X1,5 GR	RE	12,1	0,6	19,5	63,2	1,6	15,8	230	457
020294	NYM-J 12X2,5 GR	RE	7,41	0,7	27	61,6	1,6	15,4	288	660

Table: Technical characteristics NYM-O

p/n	part name		R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	W _m [mm]	D _A [mm]	Cu [kg/km]	G [kg]
020031	NYM-O 01X1,5 GR	RE	12,1	0,6	19,5	20,8	1,4	5,2	14,4	45
020043	NYM-O 01X2,5 GR	RE	7,41	0,7	27	23,2	1,4	5,8	24	70
020178	NYM-O 01X4 GR	RE	4,61	0,8	36	25,6	1,4	6,4	38	80
020177	NYM-O 01X6 GR	RE	3,08	0,8	46	27,2	1,4	6,8	58	105
020032	NYM-O 01X10 GR	RE	1,83	1	63	32	1,4	8	96	155
020033	NYM-O 01X16 GR	RM	1,15	1	85	36,4	1,4	9,1	154	230
020034	NYM-O 02X1,5 GR	RE	12,1	0,6	19,5	31,2	1,4	7,8	29	115
020167	NYM-O 02X1,5/TR GR	RE	12,1	0,6	19,5	31,2	1,4	7,8	29	115
020035	NYM-O 02X2,5 GR	RE	7,41	0,7	27	35,6	1,4	8,9	48	157
020168	NYM-O 02X2,5/TR GR	RE	7,41	0,7	27	35,6	1,4	8,9	48	157
020036	NYM-O 03X1,5 GR	RE	12,1	0,6	17,5	32,8	1,4	8,2	43	135
020174	NYM-O 03X1,5/TR GR	RE	12,1	0,6	17,5	32,8	1,4	8,2	43	135
020037	NYM-O 04X1,5 GR	RE	12,1	0,6	17,5	35,2	1,4	8,8	58	160
020175	NYM-O 04X1,5/TR GR	RE	12,1	0,6	17,5	35,2	1,4	8,8	58	160
020046	NYM-O 04X6 GR	RE	3,08	0,8	32	53,2	1,6	13,3	230	460
020038	NYM-O 04X10 GR	RE	1,83	1	57	64,4	1,6	16,1	384	690
020039	NYM-O 04X16 GR	RM	1,15	1	76	76	1,6	19	614	1090
020040	NYM-O 04X25 GR	RM	0,727	1,2	96	93,6	1,8	23,4	960	1640
020041	NYM-O 04X35 GR	RM	0,524	1,2	119	102,8	1,8	25,7	1344	2090
020042	NYM-O 07X1,5 GR	RE	12,1	0,6	19,5	42	1,4	10,5	101	235
020326	NYM-O 12X1,5 GR	RE	12,1	0,6	19,5	57,6	1,6	14,4	173	400

RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
Wm	thickness of outer sheath
DA	outer diameter
Cu	copper
G	weight



conductor material: bare copper
insulation: PVC TI1
screen: foil
drain wire: yes
sheathing material: PVC TM1
colour of outer sheath: gray RAL 7035
flame retardant: VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, 70 °C
fixed:
temperature, moved/during 5 - 70 °C
installation:

nominal voltage U₀: 300 V
nominal voltage U: 500 V
test voltage: 2 kV
core identification: colours acc. VDE 0293 (HD308)

Application: This cable has a static foil screen for limiting its irradiated electromagnetic field in areas with high requirements to EMC as computer rooms, hospitals as well as in living rooms with high sensitivity to electrical and/or magnetical fields. For installation on and under plaster in dry and wet rooms, as well as inside of walls or in concrete. Also for outdoor use, if the cable is protected against direct sun irradiation.



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Table: Technical characteristics (N)YM(St)-J

p/n	part name		R _l [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
020308	(N)YM(St)-J 03X1,5 RE GR	RE	12,1	15	45	9	51	154
020309	(N)YM(St)-J 04X1,5 RE GR	RE	12,1	14	55	11	65	184
020310	(N)YM(St)-J 05X1,5 RE GR	RE	12,1	14	57,5	11,5	80	208
020311	(N)YM(St)-J 07X1,5 RE GR	RE	12,1	14	60	11,9	108	248
020312	(N)YM(St)-J 03X2,5 RE GR	RE	7,41	18	55	11	80	203
020313	(N)YM(St)-J 04X2,5 RE GR	RE	7,41	18	57,5	11,5	104	256
020314	(N)YM(St)-J 05X2,5 RE GR	RE	7,41	18	60	12	128	284
020315	(N)YM(St)-J 03X4 RE GR	RE	4,61	24	57,5	11,5	123	290
020316	(N)YM(St)-J 05X4 RE GR	RE	4,61	24	67,5	13,5	200	444
020317	(N)YM(St)-J 03X6 RE GR	RE	3,08	31	75	15	180	379
020318	(N)YM(St)-J 05X6 RE GR	RE	3,08	31	77,5	15,5	296	567
020319	(N)YM(St)-J 05X10 RE GR	RE	1,83	41	90	18	488	863
020320	(N)YM(St)-J 05X16 RE GR	RM	1,15	55	130	26	776	1347
020321	(N)YM(St)-J 05X25 RE GR	RM	0,727	72			1208	2023

RI	conductor resistance
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

LSOH building wire NHXMH-J/-O acc. to VDE 0250 T. 214



conductor material: bare copper
insulation: XLPE 2XI1
sheathing material: FRNC-compound HM2
flame retardant: VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density: DIN EN 61034/IEC 61034
halogen free: DIN EN 50267/IEC 60754
maximum temperature at conductor: 70 °C
max. operating temperature, 70 °C
fixed:

	<i>NHXMH-J</i>	<i>NHXMH-O</i>
nominal voltage U₀:	300 V	300 V
nominal voltage U:	500 V	500 V
test voltage:	2 kV	2 kV
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)

Application: Low-smoke zero-halogen flame retardant building wire for installation on and under plaster, in cable ducts and conduits. For indoor use only.



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Table: Technical characteristics NHXMH-J

p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
020278	NHXMH-J 01X1,5 GR	RE	12,1	14	78	5,2	15	75
020279	NHXMH-J 01X2,5 GR	RE	7,41	18	84	5,6	24	85
020232	NHXMH-J 01X4 GR	RE	4,61	24	105	7	39	135
020280	NHXMH-J 01X6 GR	RE	3,08	31	111	7,4	58	150
020281	NHXMH-J 01X10 GR	RE	1,83	41	117	7,8	96	200
020233	NHXMH-J 01X16 GR	RM	1,15	55	144	9,6	154	295
020282	NHXMH-J 01X25 GR	RM	0,727	80	180	12	240	350
020185	NHXMH-J 03X1,5 GR	RE	12,1	14	103,2	8,6	43	130
020188	NHXMH-J 03X2,5 GR	RE	7,41	18	114	9,5	72	165
020206	NHXMH-J 03X4 GR	RE	4,61	24	128,4	10,7	115	235
020207	NHXMH-J 03X6 GR	RE	3,08	31	147,6	12,3	173	320
020208	NHXMH-J 03X10 GR	RE	1,83	41	177,6	14,8	288	480
020192	NHXMH-J 04X1,5 GR	RE	12,1	14	110,4	9,2	58	150
020209	NHXMH-J 04X2,5 GR	RE	7,41	18	122,4	10,2	96	200
020187	NHXMH-J 04X4 GR	RE	4,61	24	146,4	12,2	154	300
020189	NHXMH-J 04X6 GR	RE	3,08	31	158,4	13,2	230	395
020210	NHXMH-J 04X10 GR	RE	1,83	41	189,6	15,8	384	595
020190	NHXMH-J 04X16 GR	RM	1,15	55	240	20	614	935
020191	NHXMH-J 04X25 GR	RM	0,727	80	294	24,5	960	1420
020211	NHXMH-J 04X35 GR	RM	0,524	88	330	27,5	1344	1910
020214	NHXMH-J 05X1,5 GR	RE	12,1	14	117,6	9,8	72	175

p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
020195	NHXMH-J 05X2,5 GR	RE	7,41	18	128,4	10,7	120	235
020179	NHXMH-J 05X4 GR	RE	4,61	24	158,4	13,2	192	350
020196	NHXMH-J 05X6 GR	RE	3,08	31	177,6	14,8	288	480
020212	NHXMH-J 05X10 GR	RE	1,83	41	208,8	17,4	480	710
020194	NHXMH-J 05X16 GR	RM	1,15	55	264	22	768	1140
020277	NHXMH-J 05X25 GR	RM	0,727	80	336	28	1200	1900
020197	NHXMH-J 07X1,5 GR	RE	12,1	14	122,4	10,2	101	210
020213	NHXMH-J 07X2,5 GR	RE	7,41	18	146,4	12,2	168	300
020229	NHXMH-J 10X1,5 GR	RE	12,1	14	174	14,5	144	280
020230	NHXMH-J 12X1,5 GR	RE	12,1	14	198	16,5	173	320
020231	NHXMH-J 24X1,5 GR	RE	12,1	14	240	20	346	570
020296	NHXMH-J 24X2,5 GR	RE	7,41	18	276	23	576	787

Table: Technical characteristics NHXMH-O

p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
020198	NHXMH-O 01X1,5 GR	RE	12,1	14		5,2	15	92
020199	NHXMH-O 01X2,5 GR	RE	7,41	19		5,6	24	110
020200	NHXMH-O 01X4 GR	RE	4,61	24		7,1	39	135
020201	NHXMH-O 01X6 GR	RE	3,08	31		7,4	58	160
020202	NHXMH-O 01X10 GR	RE	1,83	41		7,8	96	215
020203	NHXMH-O 01X16 GR	RM	1,15	55	132	8,8	154	295
020204	NHXMH-O 02X1,5 GR	RE	12,1	14	98,4	8,2	29	110
020205	NHXMH-O 02X2,5 GR	RE	7,41	18	108	9	48	130
020327	NHXMH-O 02X4 GR	RE	4,61	24		9,8	77	173
020328	NHXMH-O 02X6 GR	RE	3,08	31		10,8	115	226
020329	NHXMH-O 02X10 GR	RE	1,83	41		13,3	192	356
020234	NHXMH-O 04X10 GR	RE	1,83	41	188,4	15,7	384	615
020235	NHXMH-O 04X16 GR	RM	1,15	55	234	19,5	614	935
020236	NHXMH-O 04X25 GR	RM	0,727	80	285,6	23,8	960	1420

R_l	conductor resistance
I_{bl}	ampacity (in air)
R_{bv}	bending radius, fixed installation
D_A	outer diameter
Cu	copper
G	weight

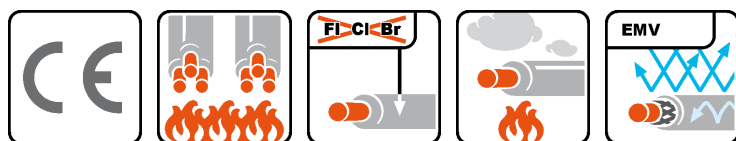
Screened FRNC installation wire (N)HXMH(St)-J



conductor material:	bare copper
insulation:	XLPE 2X11
screen:	foil
drain wire:	yes
sheathing material:	FRNC-compound HM2
colour of outer sheath:	gray RAL 7035
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	70 °C

nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: Flame retardant building wire, for installation on and under plaster in dry and wet rooms, as well as in concrete. The cable is screened to limit the the propagation of electromagnetic field of the conductors. It is designed for application in EMC-sensible environments as hospitals, data processing facilities, laboratories but also in living rooms.



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Table: Technical characteristics (N)HXMH(St)-J

p/n	part name	R _i [Ω/km]	I _{bi} [A]	D _A [mm]	Cu [kg/km]	G [kg]
020283	(N)HXMH(St)-J 03X1,5/1,5 RE GR	12,1	14	9,5	48	168
020284	(N)HXMH(St)-J 03X2,5/1,5 RE GR	7,41	18	9,8	77	209
020285	(N)HXMH(St)-J 04X1,5/1,5 RE GR	12,1	14	9,6	63	192
020286	(N)HXMH(St)-J 05X1,5/1,5 RE GR	12,1	14	10,3	77	220
020287	(N)HXMH(St)-J 05X2,5/1,5 RE GR	7,41	18	11,3	125	282
020297	(N)HXMH(St)-J 05X4/1,5 RE GR	4,61	24	15,1	206	393
020331	(N)HXMH(St)-J 05X6/1,5 RE GR			15,2	293	402
020306	(N)HXMH(St)-J 07X1,5/1,5 RE GR	12,1	14	12,1	107	310

RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

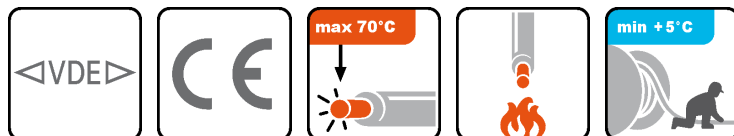
Flat building wire NYIF-J acc. to VDE 0250-201



conductor material: bare copper
insulation: PVC TI1
sheathing material: cross-linked rubber blend
flame retardant: VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, 70 °C
fixed:
temperature, moved/during 5 - 60 °C
installation:

nominal voltage U₀: 230 V
nominal voltage U: 400 V
test voltage: 2 kV
core identification: colours acc. VDE 0293 (HD308)

Application: For fixed installation in dry zones, on and under plaster. Whitout plaster sheet in cavities of ceilings and walls of not combustible building materials.



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Table: Technical characteristics NYIF-J

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	Cu [kg/km]	G [kg]
020289	NYIF-J 03X1,5 NT	12,1	14	19	4,4	43	115
020292	NYIF-J 04X1,5 NT	12,1	14	26	4,4	58	160
020288	NYIF-J 05X1,5 NT	12,1	14	33	4,4	72	205
020291	NYIF-J 03X2,5 NT	7,41	18	21,5	5,2	72	160
020290	NYIF-J 05X2,5 NT	7,41	18	37	5,2	120	260

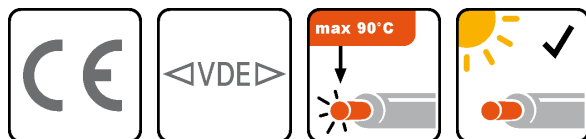
R _l	conductor resistance
I _{bl}	ampacity (in air)
b	width of (flat) cable
h	hight of (flat) cable
Cu	copper
G	weight

Installation cable NI2XY acc. to VDE 0262



conductor material:	bare copper
insulation:	XLPE
sheathing material:	PVC
colour of outer sheath:	grey
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
UV-resistant:	yes
max. operating temperature, fixed:	-40 - +90 °C
temperature, moved/during installation:	-5 - +90 °C
bending radius, fixed installation:	4 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: Inside of buildings, at the surface, inside or under plaster in dry and moist rooms an outdoor (not inside water or the earth).



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Table: Technical characteristics

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
020322	NI2XY-J 03X1,5 0,6/1 kV GR	12,1	8,9	43,2	122
020323	NI2XY-J 05X1,5 0,6/1 kV GR	12,1	10,5	72	160
020324	NI2XY-J 03X2,5 0,6/1 kV GR	7,41	9,8	72	170
020325	NI2XY-J 05X2,5 0,6/1 kV GR	7,41	11,5	120	228

RI	conductor resistance
DA	outer diameter
Cu	copper
G	weight

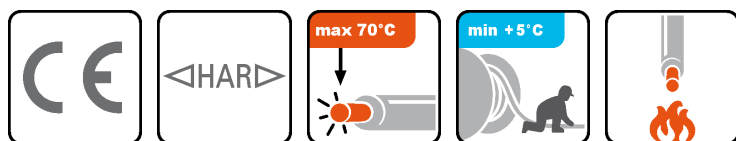
PVC-insulated wires H05V-U acc. to EN 50525-2-31



conductor material: bare copper
conductor construction: solid, class 1
insulation: PVC TI1
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 70 °C
max. operating temperature, 70 °C
fixed:
bending radius, fixed 4 x DA
installation:

conductor construction: solid, class 1
nominal voltage U₀: 300 V
nominal voltage U: 500 V

Application: For internal wiring of switching boxes and other electrical appliances. For installation in closed conduits and tubes. Not for direct installation under plaster.



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Table: Technical characteristics H05V-U

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040020	H05V-U 01X0,75 SW	24,5	0,6	15	8,4	2,1	7,2	10
040015	H05V-U 01X0,75 BL	24,5	0,6	15	8,4	2,1	7,2	10
040748	H05V-U 01X0,75 HB	24,5	0,6	15	8,4	2,1	7,2	10
040749	H05V-U 01X0,75 DB	24,5	0,6	15	8,4	2,1	7,2	10
040021	H05V-U 01X0,75 WS	24,5	0,6	15	8,4	2,1	7,2	10
040017	H05V-U 01X0,75 GG	24,5	0,6	15	8,4	2,1	7,2	10
040016	H05V-U 01X0,75 BR	24,5	0,6	15	8,4	2,1	7,2	10
040018	H05V-U 01X0,75 GR	24,5	0,6	15	8,4	2,1	7,2	10
040019	H05V-U 01X0,75 RT	24,5	0,6	15	8,4	2,1	7,2	10
040027	H05V-U 01X1 SW	18,1	0,6	19	9,2	2,3	9,6	14
040024	H05V-U 01X1 GG	18,1	0,6	19	9,2	2,3	9,6	14
040022	H05V-U 01X1 BL	18,1	0,6	19	9,2	2,3	9,6	14
040750	H05V-U 01X1 HB	18,1	0,6	19	9,2	2,3	9,6	14
040751	H05V-U 01X1 DB	18,1	0,6	19	9,2	2,3	9,6	14
040025	H05V-U 01X1 GR	18,1	0,6	19	9,2	2,3	9,6	14
040026	H05V-U 01X1 RT	18,1	0,6	19	9,2	2,3	9,6	14
040028	H05V-U 01X1 WS	18,1	0,6	19	9,2	2,3	9,6	14
040023	H05V-U 01X1 BR	18,1	0,6	19	9,2	2,3	9,6	14
040258	H05V-U 01X1 VL	18,1	0,6	19	9,2	2,3	9,6	14

RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

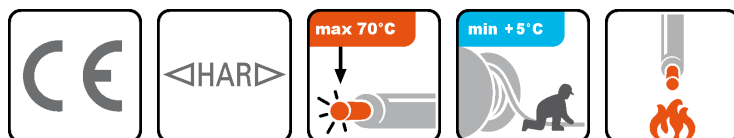
PVC-insulated wires H05V-K acc. to EN 50525-2-31



conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: PVC TI1
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 70 °C
max. operating temperature, fixed: 70 °C
bending radius, fixed installation: 4 x DA

conductor construction: fine stranded, class 5
nominal voltage U₀: 300 V
nominal voltage U: 500 V
test voltage: 2 kV

Application: For internal wiring of switching boxes and other electrical appliances. For installation in closed conduits and tubes. Not for direct installation under plaster.



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Table: Technical characteristics H05V-K

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040221	H05V-K 01X0,5 SW	39	0,6	6	8,8	2,2	4,8	10
040253	H05V-K 01X0,5 WS	39	0,6	6	8,8	2,2	4,8	10
040240	H05V-K 01X0,5 VL	39	0,6	6	8,8	2,2	4,8	10
040217	H05V-K 01X0,5 GG	39	0,6	6	8,8	2,2	4,8	10
040216	H05V-K 01X0,5 RT	39	0,6	6	8,8	2,2	4,8	10
040218	H05V-K 01X0,5 BR	39	0,6	6	8,8	2,2	4,8	10
040219	H05V-K 01X0,5 HB	39	0,6	6	8,8	2,2	4,8	10
040241	H05V-K 01X0,5 GR	39	0,6	6	8,8	2,2	4,8	10
040220	H05V-K 01X0,5 DB	39	0,6	6	8,8	2,2	4,8	10
040254	H05V-K 01X0,5 OR	39	0,6	6	8,8	2,2	4,8	10
040006	H05V-K 01X0,75 SW	26	0,6	15	9,2	2,3	7,2	12
040222	H05V-K 01X0,75 HB	26	0,6	15	9,2	2,3	7,2	12
040003	H05V-K 01X0,75 GG	26	0,6	15	9,2	2,3	7,2	12
040007	H05V-K 01X0,75 WS	26	0,6	15	9,2	2,3	7,2	12
040004	H05V-K 01X0,75 GR	26	0,6	15	9,2	2,3	7,2	12
040005	H05V-K 01X0,75 RT	26	0,6	15	9,2	2,3	7,2	12
040002	H05V-K 01X0,75 BR	26	0,6	15	9,2	2,3	7,2	12
040191	H05V-K 01X0,75 VL	26	0,6	15	9,2	2,3	7,2	12
040190	H05V-K 01X0,75 OR	26	0,6	15	9,2	2,3	7,2	12
040223	H05V-K 01X0,75 DB	26	0,6	15	9,2	2,3	7,2	12

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040013	H05V-K 01X1 SW	19,5	0,6	19	9,6	2,4	9,6	14
040010	H05V-K 01X1 GG	19,5	0,6	19	9,6	2,4	9,6	14
040014	H05V-K 01X1 WS	19,5	0,6	19	9,6	2,4	9,6	14
040011	H05V-K 01X1 GR	19,5	0,6	19	9,6	2,4	9,6	14
040012	H05V-K 01X1 RT	19,5	0,6	19	9,6	2,4	9,6	14
040224	H05V-K 01X1 HB	19,5	0,6	19	9,6	2,4	9,6	14
040009	H05V-K 01X1 BR	19,5	0,6	19	9,6	2,4	9,6	14
040188	H05V-K 01X1 VL	19,5	0,6	19	9,6	2,4	9,6	14
040193	H05V-K 01X1 OR	19,5	0,6	19	9,6	2,4	9,6	14
040225	H05V-K 01X1 DB	19,5	0,6	19	9,6	2,4	9,6	14
040411	H05V-K 01X1 GN	19,5	0,6	19	9,6	2,4	9,6	14
040703	H05V-K 01X1 GE		0,6		11,2	2,8	9,6	14
040257	H05V-K 01X0,5 BL	39	0,6	6	8,8	2,2	4,8	10
040001	H05V-K 01X0,75 BL	26	0,6	15	9,2	2,3	7,2	12
040008	H05V-K 01X1 BL	19,5	0,6	19	9,6	2,4	9,6	14

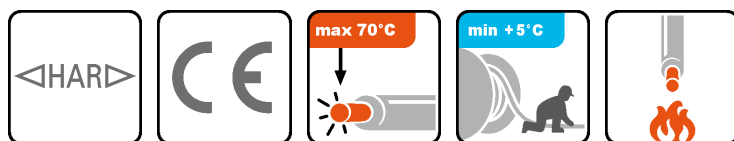
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

PVC-insulated wires H07V-U acc. to EN 50525-2-31



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	PVC TI1
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	70 °C
temperature, moved/during installation:	5 - 70 °C
bending radius, fixed installation:	4 x DA
nominal voltage U₀:	450 V
nominal voltage U:	750 V
test voltage:	2,5 kV

Application: For laying in pipes on top of or under plaster and in closed installation ducts and for internal wiring of machinery, switchgear and distributor systems. The cable is not suitable for direct laying under plaster.



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Table: Technical characteristics H07V-U

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040100	H07V-U 01X1,5 SW	12,1	0,7	24	10,8	2,7	14,4	20
040096	H07V-U 01X1,5 GG	12,1	0,7	24	10,8	2,7	14,4	20
040236	H07V-U 01X1,5 HB	12,1	0,7	24	10,8	2,7	14,4	20
040095	H07V-U 01X1,5 BR	12,1	0,7	24	10,8	2,7	14,4	20
040098	H07V-U 01X1,5 GR	12,1	0,7	24	10,8	2,7	14,4	20
040101	H07V-U 01X1,5 VL	12,1	0,7	24	10,8	2,7	14,4	20
040099	H07V-U 01X1,5 RT	12,1	0,7	24	10,8	2,7	14,4	20
040102	H07V-U 01X1,5 WS	12,1	0,7	24	10,8	2,7	14,4	20
040214	H07V-U 01X1,5 DB	12,1	0,7	24	10,8	2,7	14,4	20
040118	H07V-U 01X2,5 SW	7,41	0,8	32	13,2	3,3	24	31
040114	H07V-U 01X2,5 GG	7,41	0,8	32	13,2	3,3	24	31
040237	H07V-U 01X2,5 HB	7,41	0,8	32	13,2	3,3	24	31
040111	H07V-U 01X2,5 BL	7,41	0,8	32	13,2	3,3	24	31
040112	H07V-U 01X2,5 BR	7,41	0,8	32	13,2	3,3	24	31
040116	H07V-U 01X2,5 GR	7,41	0,8	32	13,2	3,3	24	31
040119	H07V-U 01X2,5 VL	7,41	0,8	32	13,2	3,3	24	31
040117	H07V-U 01X2,5 RT	7,41	0,8	32	13,2	3,3	24	31
040120	H07V-U 01X2,5 WS	7,41	0,8	32	13,2	3,3	24	31
040215	H07V-U 01X2,5 DB	7,41	0,8	32	13,2	3,3	24	31
040124	H07V-U 01X4 SW	4,61	0,8	42	15,2	3,8	38	46
040122	H07V-U 01X4 GG	4,61	0,8	42	15,2	3,8	38	46

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040121	H07V-U 01X4 BL	4,61	0,8	42	15,2	3,8	38	46
040761	H07V-U 01X4 HB	4,61	0,8	42	15,2	3,8	38	46
040762	H07V-U 01X4 DB	4,61	0,8	42	15,2	3,8	38	46
040181	H07V-U 01X4 BR	4,61	0,8	42	15,2	3,8	38	46
040123	H07V-U 01X4 GR	4,61	0,8	42	15,2	3,8	38	46
040249	H07V-U 01X4 RT	4,61	0,8	42	15,2	3,8	38	46
040128	H07V-U 01X6 SW	3,08	0,8	54	17,2	4,3	58	65
040126	H07V-U 01X6 GG	3,08	0,8	54	17,2	4,3	58	65
040177	H07V-U 01X6 BL	3,08	0,8	54	17,2	4,3	58	65
040763	H07V-U 01X6 HB	3,08	0,8	54	17,2	4,3	58	65
040764	H07V-U 01X6 DB	3,08	0,8	54	17,2	4,3	58	65
040125	H07V-U 01X6 BR	3,08	0,8	54	17,2	4,3	58	65
040107	H07V-U 01X10 SW	1,83	1	73	22	5,5	96	110
040105	H07V-U 01X10 GG	1,83	1	73	22	5,5	96	110
040103	H07V-U 01X10 BL	1,83	1	73	22	5,5	96	110
040765	H07V-U 01X10 HB	1,83	1	73	22	5,5	96	110
040766	H07V-U 01X10 DB	1,83	1	73	22	5,5	96	110
040104	H07V-U 01X10 BR	1,83	1	73	22	5,5	96	110

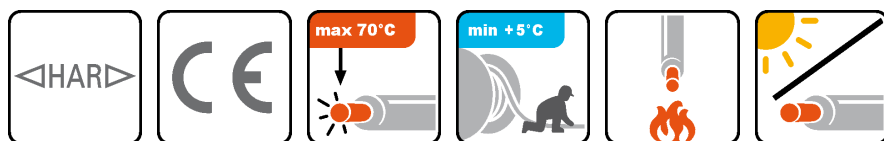
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

PVC-insulated wires H07V-R R acc. to EN 50525-2-31



conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	PVC TI1
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	70 °C
temperature, moved/during installation:	5 - 70 °C
bending radius, fixed installation:	4 x DA
nominal voltage U₀:	450 V
nominal voltage U:	750 V
test voltage:	2,5 kV

Application: For laying in pipes on top of or under plaster and in closed installation ducts and for internal wiring of machinery, switchgear and distributor systems. The cable is not suitable for direct laying under plaster.



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Table: Technical characteristics H07V-R

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040082	H07V-R 01X16 SW	1,15	1	98	27,2	6,8	154	175
040081	H07V-R 01X16 GG	1,15	1	98	27,2	6,8	154	175
040205	H07V-R 01X16 RT	1,15	1	98	27,2	6,8	154	175
040085	H07V-R 01X25 SW	0,727	1,2	129	51	8,5	240	275
040084	H07V-R 01X25 GG	0,727	1,2	129	51	8,5	240	275
040756	H07V-R 01X25 HB	0,727	1,2	129	51	8,5	240	275
040757	H07V-R 01X25 DB	0,727	1,2	129	51	8,5	240	275
040211	H07V-R 01X25 RT	0,727	1,2	129	51	8,5	240	275
040087	H07V-R 01X35 SW	0,524	1,2	158	57	9,5	336	370
040086	H07V-R 01X35 GG	0,524	1,2	158	57	9,5	336	370
040239	H07V-R 01X35 BL	0,524	1,2	158	57	9,5	336	370
040758	H07V-R 01X35 HB	0,524	1,2	158	57	9,5	336	370
040759	H07V-R 01X35 DB	0,524	1,2	158	57	9,5	336	370
040207	H07V-R 01X35 RT	0,524	1,2	158	57	9,5	336	370
040089	H07V-R 01X50 SW	0,387	1,4	198	67,2	11,2	480	500
040088	H07V-R 01X50 GG	0,387	1,4	198	67,2	11,2	480	500
040208	H07V-R 01X50 RT	0,387	1,4	198	67,2	11,2	480	500
040091	H07V-R 01X70 SW	0,268	1,4	245	76,2	12,7	672	710
040090	H07V-R 01X70 GG	0,268	1,4	245	76,2	12,7	672	710
040209	H07V-R 01X70 RT	0,268	1,4	245	76,2	12,7	672	710
040093	H07V-R 01X95 SW	0,193	1,6	292	88,8	14,8	912	970

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040092	H07V-R 01X95 GG	0,193	1,6	292	88,8	14,8	912	970
040210	H07V-R 01X95 RT	0,193	1,6	292	88,8	14,8	912	970
040078	H07V-R 01X120 SW	0,153	1,6	344	97,8	16,3	1152	1200
040077	H07V-R 01X120 GG	0,153	1,6	344	97,8	16,3	1152	1200
040080	H07V-R 01X150 SW	0,124	1,8	391	110	18,2	1440	1470
040079	H07V-R 01X150 GG	0,124	1,8	391	110	18,2	1440	1470
040300	H07V-R 01X185 GG	0,0991	2	448			1776	1806
040594	H07V-R 01X300 GG	0,0991	2	448	102	25,5	2880	2929

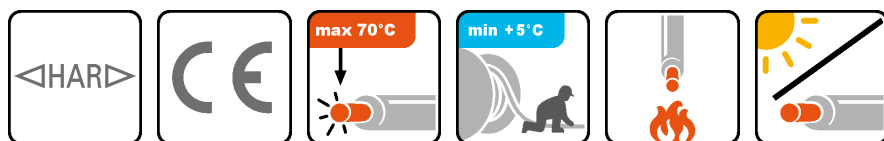
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

PVC-insulated wires H07V-K acc. to EN 50525-2-31



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC TI1
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	70 °C
temperature, moved/during installation:	5 - 70 °C
bending radius, fixed installation:	4 x DA
nominal voltage U₀:	450 V
nominal voltage U:	750 V
test voltage:	2,5 kV

Application: For laying in pipes on top of or under plaster and in closed installation ducts and for internal wiring of machinery, switchgear and distributor systems. The cable is not suitable for direct laying under plaster.



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Table: Technical characteristics H07V-K

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040051	H07V-K 01X2,5 BL	7,98	0,8	32	13,6	3,4	24	32
040035	H07V-K 01X1,5 SW	13,3	0,7	24	11,2	2,8	14,4	20
040031	H07V-K 01X1,5 GG	13,3	0,7	24	11,2	2,8	14,4	20
040226	H07V-K 01X1,5 HB	13,3	0,7	24	11,2	2,8	14,4	20
040030	H07V-K 01X1,5 BR	13,3	0,7	24	11,2	2,8	14,4	20
040033	H07V-K 01X1,5 GR	13,3	0,7	24	11,2	2,8	14,4	20
040036	H07V-K 01X1,5 VL	13,3	0,7	24	11,2	2,8	14,4	20
040034	H07V-K 01X1,5 RT	13,3	0,7	24	11,2	2,8	14,4	20
040037	H07V-K 01X1,5 WS	13,3	0,7	24	11,2	2,8	14,4	20
040195	H07V-K 01X1,5 OR	13,3	0,7	24	11,2	2,8	14,4	20
040194	H07V-K 01X1,5 TR	13,3	0,7	24	11,2	2,8	14,4	20
040212	H07V-K 01X1,5 DB	13,3	0,7	24	11,2	2,8	14,4	20
040374	H07V-K 01X1,5 GE	13,3	0,7	24	11,2	2,8	14,4	21
040058	H07V-K 01X2,5 SW	7,98	0,8	32	13,6	3,4	24	32
040054	H07V-K 01X2,5 GG	7,98	0,8	32	13,6	3,4	24	32
040227	H07V-K 01X2,5 HB	7,98	0,8	32	13,6	3,4	24	32
040052	H07V-K 01X2,5 BR	7,98	0,8	32	13,6	3,4	24	32
040056	H07V-K 01X2,5 GR	7,98	0,8	32	13,6	3,4	24	32
040196	H07V-K 01X2,5 VL	7,98	0,8	32	13,6	3,4	24	32
040057	H07V-K 01X2,5 RT	7,98	0,8	32	13,6	3,4	24	32
040059	H07V-K 01X2,5 WS	7,98	0,8	32	13,6	3,4	24	32

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040213	H07V-K 01X2,5 DB	7,98	0,8	32	13,6	3,4	24	32
040067	H07V-K 01X4 SW	4,95	0,8	42	15,6	3,9	38	46
040066	H07V-K 01X4 GG	4,95	0,8	42	15,6	3,9	38	46
040228	H07V-K 01X4 HB	4,95	0,8	42	15,6	3,9	38	46
040065	H07V-K 01X4 BR	4,95	0,8	42	15,6	3,9	38	46
040197	H07V-K 01X4 RT	4,95	0,8	42	15,6	3,9	38	46
040251	H07V-K 01X4 GR	4,95	0,8	42	15,6	3,9	38	46
040229	H07V-K 01X4 DB	4,95	0,8	42	15,6	3,9	38	46
040704	H07V-K 01X4 VL	4,95	0,8	42	19,2	4,8	38	46
040074	H07V-K 01X6 SW	3,3	0,8	54	18	4,5	58	65
040073	H07V-K 01X6 GG	3,3	0,8	54	18	4,5	58	65
040230	H07V-K 01X6 HB	3,3	0,8	54	18	4,5	58	65
040071	H07V-K 01X6 BR	3,3	0,8	54	18	4,5	58	65
040198	H07V-K 01X6 RT	3,3	0,8	54	18	4,5	58	65
040252	H07V-K 01X6 GR	3,3	0,8	54	18	4,5	58	65
040231	H07V-K 01X6 DB	3,3	0,8	54	18	4,5	58	65
040380	H07V-K 01X6 WS	3,3	0,8	54	18	4,5	58	65
040663	H07V-K 01X6 OR	3,3	0,8	54	18	4,5	58	65
040705	H07V-K 01X6 VL	3,3	0,8	54	18	5,3	58	65
040042	H07V-K 01X10 SW	1,91	1	73	17,4	5,8	96	115
040040	H07V-K 01X10 GG	1,91	1	73	17,4	5,8	96	115
040232	H07V-K 01X10 HB	1,91	1	73	17,4	5,8	96	115
040039	H07V-K 01X10 BR	1,91	1	73	17,4	5,8	96	115
040041	H07V-K 01X10 RT	1,91	1	73	17,4	5,8	96	115
040233	H07V-K 01X10 DB	1,91	1	73	17,4	5,8	96	115
040049	H07V-K 01X16 SW	1,21	1	98	21	7	154	170
040047	H07V-K 01X16 GG	1,21	1	98	21	7	154	170
040234	H07V-K 01X16 HB	1,21	1	98	21	7	154	170
040235	H07V-K 01X16 DB	1,21	1	98	21	7	154	170
040046	H07V-K 01X16 BR	1,21	1	98	21	7	154	170
040048	H07V-K 01X16 RT	1,21	1	98	21	7	154	170
040349	H07V-K 01X16 GR	1,21	1	98	21	7	154	170
040061	H07V-K 01X25 SW	0,78	1,2	129	34	8,5	240	260
040060	H07V-K 01X25 GG	0,78	1,2	129	34	8,5	240	260
040199	H07V-K 01X25 BL	0,78	1,2	129	34	8,5	240	260
040752	H07V-K 01X25 HB	0,78	1,2	129	34	8,5	240	260
040753	H07V-K 01X25 DB	0,78	1,2	129	34	8,5	240	260
040383	H07V-K 01X25 BR	0,78	1,2	129	34	8,5	240	260
040063	H07V-K 01X35 SW	0,554	1,2	158	39,2	9,8	336	360
040062	H07V-K 01X35 GG	0,554	1,2	158	39,2	9,8	336	360
040200	H07V-K 01X35 BL	0,554	1,2	158	39,2	9,8	336	360
040754	H07V-K 01X35 HB	0,554	1,2	158	39,2	9,8	336	360
040755	H07V-K 01X35 DB	0,554	1,2	158	39,2	9,8	336	360
040387	H07V-K 01X35 BR	0,554	1,2	158	39,2	9,8	336	360
040696	H07V-K 01X35 WS	0,554	1,2	158	39,2	9,8	336	360
040069	H07V-K 01X50 SW	0,386	1,4	198	46,4	11,6	480	515
040068	H07V-K 01X50 GG	0,386	1,4	198	46,4	11,6	480	515
040075	H07V-K 01X70 SW	0,272	1,4	245	53,2	13,3	672	710
040176	H07V-K 01X70 GG	0,272	1,4	245	53,2	13,3	672	710
040836	H07V-K 01X70 HB		1,4			13,3	672	710
040837	H07V-K 01X70 DB					13,3	672	710
040076	H07V-K 01X95 SW	0,206	1,6	292	61,2	15,3	912	940
040185	H07V-K 01X95 GG	0,206	1,6	292	61,2	15,3	912	940
040043	H07V-K 01X120 SW	0,161	1,6	344	67,6	16,9	1152	1180
040186	H07V-K 01X120 GG	0,161	1,6	344	67,6	16,9	1152	1180
040044	H07V-K 01X150 SW	0,129	1,8	391	75,2	18,8	1440	1600
040700	H07V-K 01X150 GG	0,129	1,8	391	75,2	18,8	1440	1600
040050	H07V-K 01X185 SW	0,106	2	448	84	21	1776	2100
040351	H07V-K 01X185 GG	0,106	2	448	84	21	1776	2100

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
040238	H07V-K 01X240 SW	0,0801	2,2	528	96	24	2304	3015
040342	H07V-K 01X240 GG	0,0801	2,2	528	96	24	2304	3015
040029	H07V-K 01X1,5 BL	13,3	0,7	24	11,2	2,8	14,4	20
040256	H07V-K 01X4 BL	4,95	0,8	42	15,6	3,9	38	46

RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

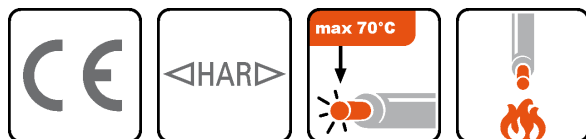
PVC-insulated cord H03VV-F F acc. to EN 50525-2-11



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC YI2
sheathing material:	PVC TM2
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	60 °C
max. operating temperature,	50 °C
fixed:	
bending radius, fixed	3 x DA
installation:	
bending radius, moved	5 x DA
application:	
nominal voltage U₀:	300 V
nominal voltage U:	300 V
test voltage:	2 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: For the connection of light electrical appliances (table and standing lamps, kitchen appliances, domestic vacuum cleaners, office appliances, radios etc.) at low mechanical stresses in households, kitchens and offices. Not for the connection of cooking and heating appliances or commercial electric tools, not for outdoor use, in agricultural or commercial businesses.

Netherlands: VMVL



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Table: Technical characteristics H03VV-F

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
035241	H03VV-F 02X0,5 SW			5,9	9,6	35
035527	H03VV-F 03G0,5 WS	0,268		6,3	14,4	43
035242	03VV-F 05G0,5 SW			6,1	24	63
030004	H03VV-F 02X0,75 SW	31,1	6	6,3	14,4	45
030005	H03VV-F 02X0,75 WS	31,1	6	6,3	14,4	45
031047	H03VV-F 02X0,75 BR	31,1	6	6,3	14,4	45
035048	H03VV-F 02X0,75 GR Adern: schwarz, braun	31,1	6	6,3	14,4	45
030007	H03VV-F 03G0,75 WS	31,1	6	6,7	21,6	54
030006	H03VV-F 03G0,75 SW	31,1	6	6,7	21,6	54
031581	H03VV-F 04G0,75 SW	31,1	6	7,3	29	65
030009	H03VV-F 04G0,75 WS	31,1	6	7,3	29	65

RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

Flat PVC insulated cord H03VVH2-F acc. to EN 50525-2-11



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC TI1
sheathing material:	PVC TM 2
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	60 °C
max. operating temperature,	5 - 60 °C
fixed:	
bending radius, fixed installation:	3 x DA
bending radius, moved application:	5 x DA
insulation resistance:	0,01 MOhm x km
nominal voltage U₀:	300 V
nominal voltage U:	300 V
test voltage:	1,5 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: For the connection of light electrical appliances (table and standing lamps, kitchen appliances, domestic vacuum cleaners, office appliances, radios etc.) at low mechanical stresses in households, kitchens and offices. Not for the connection of cooking and heating appliances or commercial electric tools, not for outdoor use, in agricultural or commercial businesses.



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Table: Technical characteristics H03VVH2-F

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	Cu [kg/km]	G [kg]
031049	H03VVH2-F 02X0,75 SW	22	6	6,4	3,9	14,4	39
030011	H03VVH2-F 02X0,75 WS	22	6	6,4	3,9	14,4	39

R _l	conductor resistance
I _{bl}	ampacity (in air)
b	width of (flat) cable
h	height of (flat) cable
Cu	copper
G	weight

PVC-insulated cords H05VV-F acc. to EN 50525-2-11



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC YI2
sheathing material:	PVC TM2
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	60 °C
max. operating temperature,	50 °C
fixed:	
bending radius, fixed	3 x DA
installation:	
bending radius, moved	5 x DA
application:	
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: For medium mechanical stress in household, kitchen and office rooms; For household appliances also in wet rooms. Applicable for cooking and heating devices provided that the cable is not in touch with hot parts or heat irradiation. Not for permanent use in free air.

Austria: YMM



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Table: Technical characteristics H05VV-F

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031050	H05VV-F 02X0,75 WS	5,8	52	14,4
036111	H05VV-F 02X0,75 SW	5,8	52	14,4
030724	H05VV-F 02X1 SW	6,5	65	19
030012	H05VV-F 02X1 WS	6,5	65	19
030013	H05VV-F 02X1,5 SW	7,5	90	29
030014	H05VV-F 02X1,5 WS	7,5	90	29
030039	H05VV-F 02X2,5 SW	9	115	48
030015	H05VV-F 02X2,5 WS	9	115	48
030016	H05VV-F 03G0,75 SW	6,5	70	21,6
030017	H05VV-F 03G0,75 WS	6,5	70	21,6
030019	H05VV-F 03G1 WS	7	80	29
030018	H05VV-F 03G1 SW	7	80	29
030021	H05VV-F 03G1,5 WS	8,2	115	43
030020	H05VV-F 03G1,5 SW	8,2	115	43
031051	H05VV-F 03G1,5 GR	8,2	115	43

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030023	H05VV-F 03G2,5 WS	9,8	175	72
030022	H05VV-F 03G2,5 SW	9,8	175	72
031053	H05VV-F 04G0,75 SW	6,7	75	29
031054	H05VV-F 04G0,75 WS	6,7	75	29
031055	H05VV-F 04G1 SW	7,2	92	38
034677	H05VV-F 04G1 WS	7,2	92	38,4
030024	H05VV-F 04G1,5 SW	9,2	145	58
030025	H05VV-F 04G1,5 WS	9,2	145	58
030027	H05VV-F 04G2,5 WS	10,7	210	96
030026	H05VV-F 04G2,5 SW	10,7	210	96
031058	H05VV-F 05G0,75 SW	7,5	96	36
031057	H05VV-F 05G0,75 WS	7,5	96	36
031061	H05VV-F 05G1 SW	8	113	48
031060	H05VV-F 05G1 WS	8	113	48
030029	H05VV-F 05G1,5 WS	10,2	175	72

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030028	H05VV-F 05G1,5 SW	10,2	175	72
030031	H05VV-F 05G2,5 WS	13	260	120

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030030	H05VV-F 05G2,5 SW	13	260	120

DA	outer diameter
G	weight
Cu	copper

Flat PVC insulated twin-cord X03VH-H



conductor material: bare copper
conductor construction: fine stranded class 6
insulation: PVC
sheathing material: PVC
flame retardant: VDE 0482-332-1-2/IEC 60332-1
bending radius, fixed installation: 6 x DA

nominal voltage U₀: 300 V
nominal voltage U: 300 V
core identification: colours acc. VDE 0293 (HD308)

Application: Connecting cable for lightning electrical appliances, radio appliances, table lamps, watches etc. for light duty mechanical appliances in households, kitchen and office rooms, as far as this is permitted in the relevant appliances regulations.

Austria: YZWL



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Table: Technical characteristics X03VH-H

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	Cu [kg/km]	G [kg]
034985	X03VH-H 02X0,5 WS					10	19
033520	X03VH-H 02X0,75 BR	26	15	3,1	6,3	14,4	26
033521	X03VH-H 02X0,75 SW	26	15	3,1	6,3	14,4	26
033522	X03VH-H 02X0,75 WS	26	15	3,1	6,3	14,4	26

RI	conductor resistance
Ibl	ampacity (in air)
b	width of (flat) cable
h	height of (flat) cable
Cu	copper
G	weight



conductor material: bare copper
conductor construction: fine stranded acc. to VDE 0283 T.3
insulation: PVC
flame retardant: VDE 0482-332-1-2/IEC 60332-1
temperature, moved/during installation: -5 - +70 °C
bending radius, moved application: 12 x DA

test voltage: 2 kV

Application: Earthing cable with braided fine-wire conductor core for use in portable earthing and short-circuit devices, particularly for repair work on high-voltage systems for the safety of technical personnel.



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Table: Technical characteristics ESUY

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
033441	Kupfer-Erdsungsseil ESUY 01X16 hochflexibel TR	1,21	9,6	194	213
033442	Kupfer-Erdsungsseil ESUY 01X25 hochflexibel TR	0,78	10,7	280	305
031947	Kupfer-Erdsungsseil ESUY 01X35 hochflexibel TR	0,554	12,5	415	575
032102	Kupfer-Erdsungsseil ESUY 01X50 hochflexibel TR	0,386	14,2	585	670
032323	Kupfer-Erdsungsseil ESUY 01X70 hochflexibel TR	0,272	16,8	820	910
031915	Kupfer-Erdsungsseil ESUY 01X95 hochflexibel TR	0,206	19,8	1090	1220
033163	Kupfer-Erdsungsseil ESUY 01X120 hochflexibel TR	0,161	23,2	1360	1505
034775	Kupfer-Erdsungsseil ESUY 01X150 hochflexibel TR	0,129	26,3	1650	1945
034776	Kupfer-Erdsungsseil ESUY 01X185 hochflexibel TR	0,106	30	2150	2395
034777	Kupfer-Erdsungsseil ESUY 01X240 hochflexibel TR	0,0801	28,5	2750	3095

RI conductor resistance
 DA outer diameter
 Cu copper
 G weight

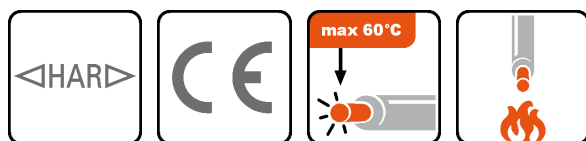
Rubber insulated cable H05RR/ RN-F acc. to EN 50525-2-21



conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: rubber (EPR) EI4
sheathing material: rubber (CR) EM2
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 60 °C
max. operating temperature, -25 - +60 °C
fixed:

	<i>H05RR-F</i>	<i>H05RN-F</i>
nominal voltage U₀:	300 V	300 V
nominal voltage U:	500 V	500 V
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)

Application: For connection of electrical appliances (vacuum cleaners, kitchen appliances, soldering iron etc.) with low mechanical stress in households, kitchens, offices. Not for permanent outdoor use.



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Table: Technical characteristics H05RR-F

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
050019	H05RR-F 02X0,75 SW	6,2	60	14,4
050020	H05RR-F 02X1 SW	6,8	70	19
050021	H05RR-F 02X1,5 SW	8,2	100	29
050022	H05RR-F 02X2,5 SW	9,7	150	48
050023	H05RR-F 03G0,75 SW	6,6	80	21,6
050024	H05RR-F 03G1 SW	7,2	90	29
050025	H05RR-F 03G1,5 SW	8,8	130	43
050026	H05RR-F 03G2,5 SW	10,2	180	72
050027	H05RR-F 04G0,75 SW	7,2	90	29

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
050100	H05RR-F 04G1 SW	7,8	110	38
050028	H05RR-F 04G1,5 SW	9,8	170	58
050029	H05RR-F 04G2,5 SW	11,2	230	96
050897	H05RR-F 05G0,75 SW	9,9	113	36
050030	H05RR-F 05G1,5 SW	10,7	190	72
050031	H05RR-F 05G2,5 SW	12,5	280	120

Table: Technical characteristics H05RN-F

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
050168	H05RN-F 02X0,75 SW	6,2	60	14,4
050167	H05RN-F 02X1 SW	6,8	70	19
050166	H05RN-F 03G0,75 SW	6,6	80	21,6
050169	H05RN-F 03G1 SW	7,2	90	29

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
050165	H05RN-F 04X0,75 SW	8,8	76	29
050166	H05RN-F 04G0,75 SW	8,8	76	29

DA	outer diameter
G	weight
Cu	copper

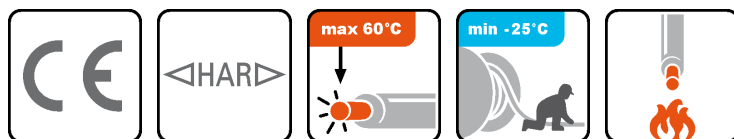
Flat light-chain cable H05RNH2-F acc. to EN 50525-2-82



conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: rubber (EPR) EI4
sheathing material: rubber (CR) EM2
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 60 °C
max. operating temperature, -25 - +60 °C
fixed:

nominal voltage U₀: 300 V
nominal voltage U: 500 V
core identification: colours acc. VDE 0293 (HD308)

Application: Cable for dry and wet rooms as well as outdoor for temporary installation of fairy lights.



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Table: Technical characteristics H05RNH2-F

p/n	part name	R _I [Ω/km]	b [mm]	h [mm]	Cu [kg/km]	G [kg]
050411	H05RNH2-F 02X1,5 GN Illuminationsleitung	13,3	14	6	28,8	145
051452	H05RNH2-F 02X2,5 SW Illuminationsleitung	7,41	14	6	48	195

R _I	conductor resistance
b	width of (flat) cable
h	hight of (flat) cable
Cu	copper
G	weight

Rubber insulated cable H07RN-F acc. to EN 50525-2-21



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	rubber (EPR) EI4
sheathing material:	rubber (CR) EM2
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
ozone resistant:	yes
maximum temperature at conductor:	80 °C
max. operating temperature, fixed:	-25 - +80 °C
temperature, moved/during installation:	-25 - +80 °C
nominal voltage U₀:	450 V
nominal voltage U:	750 V
test voltage:	2,5 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: For use at medium mechanical stress in dry, wet and damp locations, as well as in free air. Also for fixed installation on plaster or machines. The cable is resistant to oil, uv-radiation and ozon.

Netherlands:	RMCL2
Russia:	КТ



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bending radii

installation	< 8 mm	8-12 mm	13-20 mm	> 20 mm
fixed installation	3D	3D	4D	4D
free movement	3D	4D	5D	5D
cable entry	3D	3D	4D	4D

Table: Technical characteristics H07RN-F

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050214	H07RN-F 01X1,5 SW	13,3	18	5,9	23	14,4	50
050358	H07RN-F 01X2,5 SW	7,98	22	6,6	38	24	80
050233	H07RN-F 01X4 SW	4,95	30	7,4	60	38	100
050205	H07RN-F 01X6 SW	3,3	38	8,1	90	58	130
050033	H07RN-F 01X10 SW	1,91	53	9,7	150	96	220
050036	H07RN-F 01X16 SW	1,21	71	11	240	154	280
050037	H07RN-F 01X25 SW	0,78	94	12,9	375	240	400
050038	H07RN-F 01X35 SW	0,554	117	14,6	525	336	520
050039	H07RN-F 01X50 SW	0,386	148	16,8	750	480	720
050041	H07RN-F 01X70 SW	0,272	185	18,9	1050	672	940
050042	H07RN-F 01X95 SW	0,206	222	21,1	1425	912	1220

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050034	H07RN-F 01X120 SW	0,161	260	23,1	1800	1152	1510
050035	H07RN-F 01X150 SW	0,129	300	25,6	2250	1440	1900
050111	H07RN-F 01X185 SW	0,106	341	27,9	2775	1776	2300
050113	H07RN-F 01X240 SW	0,0801	407	31	3600	2304	2900
050195	H07RN-F 01X300 SW	0,0641	468	34,1	4500	2880	3600
050408	H07RN-F 01X400 SW	0,0486	553	38,5	60	3840	4800
050983	H07RN-F 01X630 SW	0,0287	742	48,5	9450	6048	6849
050170	H07RN-F 02X1 SW	19,5	15	7,8	30	19	100
050043	H07RN-F 02X1,5 SW	13,3	18	8,7	45	29	130
050044	H07RN-F 02X2,5 SW	7,98	26	10,4	75	48	195
050228	H07RN-F 02X4 SW	4,95	34	12	120	77	280
050229	H07RN-F 02X6 SW	3,3	43	13,3	180	115	400
050880	H07RN-F 03X1 SW	19,5	15	8,4	45	29	90
050045	H07RN-F 03G1 SW	19,5	15	8,4	45	29	125
050881	H07RN-F 03X1,5 SW	13,3	16	9,4	68	43	155
050046	H07RN-F 03G1,5 SW	13,3	16	9,4	68	43	155
050882	H07RN-F 03X2,5 SW	7,98	21	11,1	113	72	235
050048	H07RN-F 03G2,5 SW	7,98	21	11,1	113	72	235
050114	H07RN-F 03G4 SW	4,95	29	12,9	180	115	310
050883	H07RN-F 03X6 SW	3,3	36	14,3	270	173	495
050115	H07RN-F 03G6 SW	3,3	36	14,3	270	173	400
050884	H07RN-F 03X10 SW	1,9	51	19,3	450	288	730
050101	H07RN-F 03G10 SW	1,91	51	19,3	450	288	810
050885	H07RN-F 03X16 SW	1,21	67	22,1	720	461	1020
050102	H07RN-F 03G16 SW	1,21	67	22,1	720	461	1000
050886	H07RN-F 03X25 SW	0,78	89	27	1125	720	1250
050240	H07RN-F 03G25 SW	0,78	89	27	1125	720	1250
050887	H07RN-F 03X35 SW	0,554	110	29,6	1575	1008	1733
050309	H07RN-F 03G35 SW	0,554	110	29,6	1575	1008	1850
050185	H07RN-F 03G50 SW	0,386	138	36	2250	1440	3790
050375	H07RN-F 04G1 SW	19,5	15	9,5	60	38	129
050050	H07RN-F 04G1,5 SW	13,3	16	10,4	90	58	190
050054	H07RN-F 04G2,5 SW	7,98	21	12,3	150	96	280
050057	H07RN-F 04G4 SW	4,95	29	14,2	240	154	380
050059	H07RN-F 04G6 SW	3,3	36	15,9	360	230	510
050888	H07RN-F 04X10 SW	1,91	51	21,3	600	384	940
050051	H07RN-F 04G10 SW	1,91	51	21,3	600	384	940
050889	H07RN-F 04X16 SW	1,21	67	24,2	960	614,4	1250
050053	H07RN-F 04G16 SW	1,21	67	24,2	960	614	1250
050890	H07RN-F 04X25 SW	0,78	89	29,3	1500	960	1850
050055	H07RN-F 04G25 SW	0,78	89	29,3	1500	960	1850
050056	H07RN-F 04G35 SW	0,554	110	33	2100	1344	2310
050058	H07RN-F 04G50 SW	0,386	138	38,2	3000	1920	3160
050060	H07RN-F 04G70 SW	0,272	172	43,2	4200	2688	4250
050061	H07RN-F 04G95 SW	0,206	222	49	5700	3648	5590
050052	H07RN-F 04G120 SW	0,161	238	53,6	7200	4608	6790
050187	H07RN-F 04G150 SW	0,129	273	58,7	9000	5760	8230
050196	H07RN-F 04G185 SW	0,106	309	65	11100	7104	9700
050837	H07RN-F 04G240 SW	0,0801	365	74	14400	9216	13120
050062	H07RN-F 05G1,5 SW	13,3	16	11,5	113	72	230
050065	H07RN-F 05G2,5 SW	7,98	21	13,5	188	120	340
051099	H07RN-F 05X2,5 SW			11,1		120	340
050067	H07RN-F 05G4 SW	4,95	29	15,9	300	192	470
050068	H07RN-F 05G6 SW	3,3	36	17,9	450	288	630
050063	H07RN-F 05G10 SW	1,91	51	22,3	750	480	1150
050064	H07RN-F 05G16 SW	1,21	67	26,9	1200	768	1540
050066	H07RN-F 05G25 SW	0,78	89	32,5	1875	1200	2200
050160	H07RN-F 05G35 SW	0,554	110	38	2625	1680	2700
050217	H07RN-F 05G50 SW	0,386	138	44,5	3750	2400	3950

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050319	H07RN-F 05G70 SW	0,272	172	47	5250	3360	4893
050352	H07RN-F 05G95 SW	0,206	204	58	7125	4560	6600
050858	07RN-F 05G120 SW	0,161	238	61	9000	5760	8051
051080	07RN-F 05G150 SW	0,129	273	73	11250	7200	10500
050216	H07RN-F 07G1,5 SW	13,3	16	14,5	158	101	370
050219	H07RN-F 07G2,5 SW	7,98	21	17	263	168	520
051140	H07RN-F 07G4 SW	4,95	29	25,8	420	269	697
050215	H07RN-F 12G1,5 SW	13,3	16	18,3	270	175	450
050204	H07RN-F 12G2,5 SW	7,98	21	19	450	288	750
050218	H07RN-F 18G2,5 SW	7,98	21	26	675	432	1032
050220	H07RN-F 19G1,5 SW	13,3	16	23,5	428	274	800
050242	H07RN-F 19G2,5 SW	7,98	21	26,6	713	456	1068
050243	H07RN-F 24G1,5 SW	13,3	16	25,5	540	346	1000
050202	H07RN-F 24G2,5 SW	7,98	21	31,5	900	576	1380
050750	H07RN-F 25G1,5 SW	13,3	16	26	563	360	889
050861	H07RN-F 27G1,5 SW	13,3	16		607	390	973
050862	H07RN-F 27G2,5 SW	7,98	21		1012	648	1365

RI	conductor resistance
I _{bl}	ampacity (in air)
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

heat resistant rubber cable H07BN4-F acc. to EN 50525-2-21



conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: rubber EI7
sheathing material: rubber EM7
flame retardant: VDE 0482-332-1-2/IEC 60332-1
oil resistant: EN 60811-2-1
ozone resistant: DIN EN 60811-2-1(A)
maximum temperature at conductor: 90 °C
max. operating temperature, -50 - +75 °C
fixed:

nominal voltage U₀: 450 V
nominal voltage U: 750 V

Application: For installation in dry and wet rooms as well as in open air at medium mechanical stress. For fixed and flexible connection of electrical tools and appliances. Also suitable for application in wind power generators at medium stress.



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Table: Technical characteristics H07BN4-F

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
051143	H07BN4-F 01X50 SW	0,386			750	480	720
051144	H07BN4-F 01X70 SW	0,272			1050	672	940
050898	H07BN4-F 01X95 SW	0,206	328	24,5	1425	912	1160
050835	H07BN4-F 01X120 SW	0,161	382	26,5	1800	1152	1430
050906	H07BN4-F 01X150 SW	0,165	441	29,1	2250	1440	1740
050817	H07BN4-F 01X185 SW	0,106	510	35	2775	1776	2160
050818	H07BN4-F 01X240 SW	0,0801	599	35,1	3600	2304	2730
050763	H07BN4-F 01X300 SW	0,0641	690	38,5	4500	2880	3480
050907	H07BN4-F 01X400 SW	0,0622	802	43,1	6000	3840	4510
050902	H07BN4-F 04G35 SW	0,554	162	33	2100	1344	2310
050819	H07BN4-F 05G25 SW	0,78	131	37,1	1875	1200	2070
050911	07BN4-F 05G35 SW	0,554	162	41,1	2625	1680	2715

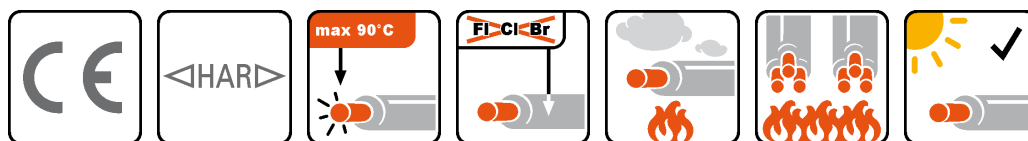
R _I	conductor resistance
I _{bl}	ampacity (in air)
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

FRNC rubber cable H07ZZ-F F acc. to EN 50525-3-21

ZZ-F -40/+90°C 1X240 mm² 01-2009

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	rubber EI8
sheathing material:	rubber (EPR) EM8
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	450 V
nominal voltage U:	750 V
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: These cable are used for installation inside of buildings and in free air. Particularly designed for applications, where in the case of fire only small quantities of smoke and corrosive gases are allowed.



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Table: Technical characteristics H07ZZ-F

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050655	H07ZZ-F 01X1,5 SW	13,7	24	6,8	22	14,4	58
050656	H07ZZ-F 01X2,5 SW	8,21	32	7,6	37	24	71
050657	H07ZZ-F 01X4 SW	5,09	42	8,7	60	38	100
050658	H07ZZ-F 01X6 SW	3,39	54	9,7	90	58	130
050659	H07ZZ-F 01X10 SW	1,91	73	11,8	150	96	230
050660	H07ZZ-F 01X16 SW	1,21	98	13,2	240	154	290
050661	H07ZZ-F 01X25 SW	0,78	125	15,8	375	240	420
050662	H07ZZ-F 01X35 SW	0,554	158	17,9	525	336	530
050663	H07ZZ-F 01X50 SW	0,386	198	20,5	750	480	750
050664	H07ZZ-F 01X70 SW	0,272	245	23,3	1050	672	960
050665	H07ZZ-F 01X95 SW	0,206	292	25,9	1425	912	1250
050666	H07ZZ-F 01X120 SW	0,161	344	28,6	1800	1152	1560
050667	H07ZZ-F 01X150 SW	0,129	391	31,4	2250	1440	1900
050668	H07ZZ-F 01X185 SW	0,106	448	34,4	2775	1776	2300
050669	H07ZZ-F 01X240 SW	0,0801	528	38,3	3600	2304	2950
050670	H07ZZ-F 01X300 SW	0,0641	608	40,2	4500	2880	3600
050671	H07ZZ-F 01X400 SW	0,0486	726	44,9	6000	3840	4600
050672	H07ZZ-F 01X500 SW	0,0384	830	49,8	7500	4800	6000

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050673	H07ZZ-F 02X1 SW	20	15	9,2	30	19	95
050674	H07ZZ-F 02X1,5 SW	13,7	18	10,2	45	29	119
050675	H07ZZ-F 02X2,5 SW	8,21	26	12,2	75	48	172
050676	H07ZZ-F 02X4 SW	5,09	34	14,2	120	77	239
050677	H07ZZ-F 02X6 SW	3,39	44	15,8	180	115	319
050678	H07ZZ-F 02X10 SW	1,91	61	21,3	300	192	572
050679	H07ZZ-F 02X16 SW	1,21	82	24,5	480	307	767
050680	H07ZZ-F 02X25 SW	0,78	108	29,2	750	480	1154
050681	H07ZZ-F 03G1 SW	20	15	10,1	45	29	115
050682	H07ZZ-F 03G1,5 SW	13,7	18	11,9	67	43	144
050683	H07ZZ-F 03G2,5 SW	8,21	26	14	112	72	211
050684	H07ZZ-F 03G4 SW	5,09	34	16,2	180	115	290
050685	H07ZZ-F 03G6 SW	3,39	44	17,9	270	173	391
050686	H07ZZ-F 03G10 SW	1,91	61	24,1	450	288	706
050687	H07ZZ-F 03G16 SW	1,21	82	27,5	720	461	961
050688	H07ZZ-F 03G25 SW	0,78	108	32,9	1125	720	1438
050689	H07ZZ-F 03G35 SW	0,554	135	37,1	1575	1008	1814
050690	H07ZZ-F 03G50 SW	0,386	168	42,9	2250	1440	2550
050691	H07ZZ-F 03G70 SW	0,272	207	48,3	3150	2016	3210
050692	H07ZZ-F 03G95 SW	0,206	250	53,9	4275	2736	4423
050693	H07ZZ-F 03G120 SW	0,161	292	59,8	5400	3456	5405
050694	H07ZZ-F 03G150 SW	0,129	335	65,7	6750	4320	6725
050695	H07ZZ-F 03G185 SW	0,106	382	71,9	8325	5328	8222
050696	H07ZZ-F 03G240 SW	0,0801	453	81,8	10800	6192	10224
050697	H07ZZ-F 03G300 SW	0,0641	523	89,8	13500	8640	12620
050698	H07ZZ-F 04G1 SW	20	15	11,1	60	38	141
050699	H07ZZ-F 04G1,5 SW	13,7	18	12,9	90	58	176
050700	H07ZZ-F 04G2,5 SW	8,21	26	15,3	150	96	235
050701	H07ZZ-F 04G4 SW	5,09	34	17,7	240	154	365
050702	H07ZZ-F 04G6 SW	3,39	44	19,8	360	230	501
050703	H07ZZ-F 04G10 SW	1,91	61	26,5	600	384	872
050704	H07ZZ-F 04G16 SW	1,21	82	30,1	960	614	1194
050705	H07ZZ-F 04G25 SW	0,78	108	36,6	1500	960	1822
050706	H07ZZ-F 04G35 SW	0,554	135	41,1	2100	1344	2307
050707	H07ZZ-F 04G50 SW	0,386	168	47,5	3000	1920	3253
050708	H07ZZ-F 04G70 SW	0,272	207	53,8	4200	2688	4130
050709	H07ZZ-F 04G95 SW	0,206	250	60,9	5700	3648	5720
050710	H07ZZ-F 04G120 SW	0,161	292	65,8	7200	4608	6965
050711	H07ZZ-F 04G150 SW	0,129	335	72,7	9000	5760	8644
050712	H07ZZ-F 04G185 SW	0,106	382	80,1	11100	7104	10598
050713	H07ZZ-F 04G240 SW	0,0801	453	86,4	14400	9216	12100
050714	H07ZZ-F 04G300 SW	0,0641	523	96,5	18000	11520	15200
050715	H07ZZ-F 05G1 SW	20	15	12,2	75	48	170
050716	H07ZZ-F 05G1,5 SW	13,7	18	14,2	112	72	214
050717	H07ZZ-F 05G2,5 SW	8,21	26	16,9	187	120	316
050718	H07ZZ-F 05G4 SW	5,09	34	19,8	300	192	448
050719	H07ZZ-F 05G6 SW	3,39	44	22,1	450	288	607
050720	H07ZZ-F 05G10 SW	1,91	61	29,1	750	480	1075
050721	H07ZZ-F 05G16 SW	1,21	82	33,3	1200	768	1480
050722	H07ZZ-F 05G25 SW	0,78	108	38,4	1875	1200	2255
051002	H07ZZ-F 05G35 SW	0,554	135	37	2526	1680	2700
050723	H07ZZ-F 06G1,5 SW	13,7	18	16,2	135	84	287
050724	H07ZZ-F 06G2,5 SW	8,21	26	19,1	225	144	420
050725	H07ZZ-F 06G4 SW	5,09	34	22,1	360	230	583
050726	H07ZZ-F 07G1,5 SW	13,7	18	19,1	157	101	303
050727	H07ZZ-F 07G2,5 SW	8,21	26	21,5	262	168	448
051141	H07ZZ-F 07G4 SW	5,09	34	38,4	420	269	697
050728	H07ZZ-F 12G1,5 SW	13,7	18	22,4	270	173	496
050729	H07ZZ-F 12G2,5 SW	8,21	26	26,2	450	288	724

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050730	H07ZZ-F 12G4 SW	5,09	34	30,9	720	461	1042
050865	H07ZZ-F 14G2,5 SW	8,21	26	25	525	336	860
050731	H07ZZ-F 18G1,5 SW	13,7	18	26,3	405	259	702
050732	H07ZZ-F 18G2,5 SW	8,21	26	29,3	675	432	1045
050733	H07ZZ-F 18G4 SW	5,09	34	36,4	1080	691	1430
050734	H07ZZ-F 24G1,5 SW	13,7	18	30,7	540	346	935
050735	H07ZZ-F 24G2,5 SW	8,21	26	34,6	900	576	1325
051114	H07ZZ-F 27G1,5 SW	13,7	18		607	389	975
051115	H07ZZ-F 27G2,5 SW	8,21	26	30,2	1012	648	1375
050736	H07ZZ-F 36G1,5 SW	13,7	18	35,2	810	518	1297
050737	H07ZZ-F 36G2,5 SW	8,21	26	41,8	1350	864	1949
050863	H07ZZ-F 37G1,5 SW	13,7	18	36,2	832	533	1317
050864	H07ZZ-F 52G1,5 SW	13,7	18	43,1	1170	749	1766

Current rating according HD 384.5.523.

R _l	conductor resistance
I _{bl}	ampacity (in air)
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Welding cable H01N2-D/- E acc. to EN 50525-2-81

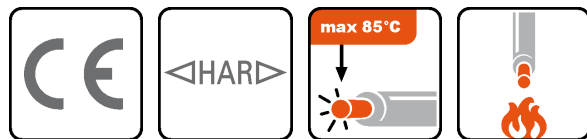


conductor material: bare copper
sheathing material: rubber (CR) EM5
flame retardant: VDE 0482-332-1-2/IEC 60332-1
oil resistant: EN 60811-2-1
maximum temperature at conductor: 85 °C
max. operating temperature, fixed: -20 - +85 °C

	<i>H01N2-D - cable with normal flexibility</i>	<i>H01N2-E - cable with high flexibility</i>
nominal voltage U₀:	100 V	100 V
nominal voltage U:	100 V	100 V
test voltage:	1 kV	1 kV

Application: In dry, damp and wet rooms as welding cable for machine or hand operation.

Russia: КОГ 1



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current rating

operation modus	permanent	periodical					
operation cycle	-	5 min.					
load factor	100 %	85 %	80 %	60 %	35 %	20 %	8 %
cross-section				current rating A			
10	96	97	98	102	114	137	198
16	130	132	134	142	166	204	301
25	173	179	181	196	234	293	442
35	216	226	229	250	304	384	584
50	274	287	293	323	398	508	779
70	341	360	398	409	510	655	1011
95	413	438	448	502	632	816	1266
120	480	511	523	588	745	966	1501
150	557	594	609	687	875	1137	1771
185	638	683	700	793	1012	1319	2059

Table: Technical characteristics H01N2-D - cable with normal flexibility

p/n	part name	R _l [Ω/km]	R _{bb} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
060008	H01N2-D 01X16 SW	1,16	46	9,2	154	220
060009	H01N2-D 01X25 SW	0,758	65	10,5	240	300
060010	H01N2-D 01X35 SW	0,563	73	12,1	336	410
060011	H01N2-D 01X50 SW	0,379	85	13,5	480	560
060012	H01N2-D 01X70 SW	0,263	98	16,2	672	770
060013	H01N2-D 01X95 SW	0,198	110	18,5	912	1050
060014	H01N2-D 01X120 SW	0,155	120	20,1	1152	1290
060016	H01N2-D 01X150 SW	0,129	135	22,5	1440	1590
060018	H01N2-D 01X185 SW	0,106	146	24,4	1776	1916

p/n	part name	R _l [Ω/km]	R _{bb} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
060029	H01N2-D 01X240 SW	0,0801	177	29,5	2304	2540

Table: Technical characteristics H01N2-E - cable with high flexibility

p/n	part name	R _l [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
060022	H01N2-E 01X10 SW	1,91	6,9	96	122
060015	H01N2-E 01X16 SW	1,21	7,9	154	235
060023	H01N2-E 01X25 SW	0,78	9,4	240	282
060017	H01N2-E 01X35 SW	0,554	10,5	336	363
060024	H01N2-E 01X50 SW	0,386	12,8	480	534
060019	H01N2-E 01X70 SW	0,272	14,2	672	716
060020	H01N2-E 01X95 SW	0,206	16,8	912	1012
060025	H01N2-E 01X120 SW	0,161	18,2	1152	1240
060026	H01N2-E 01X150 SW	0,129	19,8	1440	1442
060027	H01N2-E 01X185 SW	0,106	21,2	1776	1867

R _l	conductor resistance
R _{bb}	bending radius, moved application
D _A	outer diameter
Cu	copper
G	weight

Rubber insulated cable NSSHÖU acc. to VDE 0250 T. 812

conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	rubber (EPR) 3GI3, halogen-free
sheathing material:	rubber (CR) 5GM5
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-20 - +80 °C

	<i>NSSHöu-J</i>	<i>NSSHöu-O</i>
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
test voltage:	3 kV	3 kV
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)

Application: At high mechanical stresses for the connection of heavy-duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is flame and oil resistant.



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Table: Technical characteristics NSSHöu-J

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{ZV} [N]	Cu [kg/km]	G [kg]
050128	NSSHÖEU-J 03X1,5 GE	13,7	23	63	50	12,5	67	43	200
050129	NSSHÖEU-J 03X2,5 GE	8,21	30	66	53	13,2	112	72	260
050130	NSSHÖEU-J 03X4 GE	5,09	41	81	65	16,2	180	115	380
050140	NSSHÖEU-J 03X70/35 GE	0,277	250	223	178	44,6	3150	2352	4460
050141	NSSHÖEU-J 03X95/50 GE	0,21	301	266	212	53,1	4275	3216	5910
050212	NSSHÖEU-J 03X120/70 GE	0,164	352	270	216	54	5400	4128	7300
050891	NSSHÖEU-J 03X150/70 GE	0,132	404	366	292	73,1	7800	4992	7119
050131	NSSHÖEU-J 04X1,5 GE	13,7	23	63	50	12,6	90	58	230
050132	NSSHÖEU-J 04X2,5 GE	8,21	30	80	64	15,9	150	96	350
050133	NSSHÖEU-J 04X4 GE	5,09	41	88	70	17,5	240	154	450
050134	NSSHÖEU-J 04X6 GE	3,39	53	94	76	18,8	360	230	560
050135	NSSHÖEU-J 04X10 GE	1,95	74	115	92	23	600	384	860
050136	NSSHÖEU-J 04X16 GE	1,24	99	137	110	27,3	960	614	1350
050137	NSSHÖEU-J 04X25 GE	0,795	131	173	138	34,5	1500	960	2010
050138	NSSHÖEU-J 04X35 GE	0,565	162	182	146	36,4	2100	1344	2590
050139	NSSHÖEU-J 04X50 GE	0,393	202	208	166	41,5	3000	1920	3660
050239	NSSHÖEU-J 04X70 GE	0,277	250	233	186	46,5	4200	2688	4605
050234	NSSHÖEU-J 04X95 GE	0,21	301	284	227	56,8	5700	3648	6400
050235	NSSHÖEU-J 04X120 GE	0,164	352	328	262	65,5	7200	4608	7705
050236	NSSHÖEU-J 04X150 GE	0,132	404	366	293	73,2	9000	5760	8200
050468	NSSHÖEU-J 04X185 GE	0,108	461			76,2	11100	7104	10604

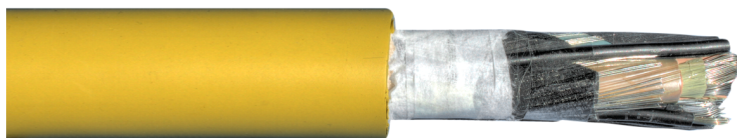
p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050142	NSSHÖEU-J 05X1,5 GE	13,7	23	76	60	15,1	112	72	255
050143	NSSHÖEU-J 05X2,5 GE	8,21	30	86	69	17,2	187	120	385
050144	NSSHÖEU-J 05X4 GE	5,09	41	97	78	19,4	300	192	560
050145	NSSHÖEU-J 05X6 GE	3,39	53	107	86	21,4	450	288	670
050146	NSSHÖEU-J 05X10 GE	1,95	74	118	94	23,5	750	480	1000
050147	NSSHÖEU-J 05X16 GE	1,24	99	151	120	30,1	1200	768	1570
050148	NSSHÖEU-J 05X25 GE	0,795	131	178	142	35,5	1875	1200	2340
050237	NSSHÖEU-J 05X35 GE	0,565	162	221	176	44,1	2625	1680	3400
051271	NSSHÖEU-J 05X50 GE	0,393	202	240	192	47,4	3750	2400	3850
051272	NSSHÖEU-J 05X70 GE	0,277	250	275	220	54,2	5250	3360	5230
051151	NSSHÖEU-J 05X95 GE	0,21	301	303	242	60,6	7125	4560	6730
051273	NSSHÖEU-J 05X120 GE	0,164	352	325	260	64,8	9000	5760	8500
050149	NSSHÖEU-J 07X1,5 GE	13,7	23	85	68	16,9	157	101	410
050150	NSSHÖEU-J 07X2,5 GE	8,21	30	98	78	19,5	262	168	500
050151	NSSHÖEU-J 10X1,5 GE	13,7	23	103	82	20,5	225	144	545
050764	NSSHÖEU-J 11X1,5 GE	13,7	23	111	88	22,1	247	158	600
051188	NSSHÖEU-J 12X1,5 GE	13,7	23	250	200	20,1	270	173	550
050152	NSSHÖEU-J 12X2,5 GE	8,21	30	108	86	21,6	450	288	770
051189	NSSHÖEU-J 18X1,5 GE	13,7	13,7	92	115	23,1	405	259,2	730
050153	NSSHÖEU-J 18X2,5 GE	8,21	30	139	111	27,8	675	432	1160
051379	NSSHÖEU-J 19X1,5 GE	13,7	23	119	95	23,7	427	274	750
051380	NSSHÖEU-J 24X1,5 GE	13,7	23	137	109	27,3	540	346	906
051190	NSSHÖEU-J 24X2,5 GE	8,21	30	155	124	30,9	900	576	1356

Table: Technical characteristics NSSHöu-O

p/n	part name	D _l [mm]	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050121	NSSHÖEU-O 01X16 GE	5,5	1,24	132	57	46	11,4	240	154	260
050359	NSSHÖEU-O 01X25 GE	6,4	0,795	176	66	52	13,1	375	240	400
050190	NSSHÖEU-O 01X35 GE	7,5	0,565	218	73	58	14,5	525	336	500
050122	NSSHÖEU-O 01X50 GE	9	0,393	276	95	76	19	750	480	680
050123	NSSHÖEU-O 01X70 GE	10,8	0,277	347	100	80	20	1050	672	900
050124	NSSHÖEU-O 01X95 GE	12,6	0,21	416	111	89	22,2	1425	912	1150
050125	NSSHÖEU-O 01X120 GE	14,3	0,164	488	120	96	24	1800	1152	1440
050410	NSSHÖEU-O 01X150 GE	15,9	0,132	566	136	108	27,1	2250	1440	1750
050434	NSSHÖEU-O 01X185 GE	17,5	0,108	644	151	121	30,2	2775	1776	2180
050422	NSSHÖEU-O 01X240 GE	20,5	0,0817	775	171	137	34,2	3600	2304	2790
050557	NSSHÖEU-O 01X300 GE	27	0,0654	898	211	168	42,1	4500	2880	3460
050227	NSSHÖEU-O 02X1,5 GE	1,8	13,7	23	59	47	11,8	45	29	190
050738	NSSHÖEU-O 02X2,5 GE	2,4	8,21	30	64	51	12,8	75	48	210

DI	diameter of conductor
RI	conductor resistance
Ibl	ampacity (in air)
Rbb	bending radius, moved application
Rbv	bending radius, fixed installation
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

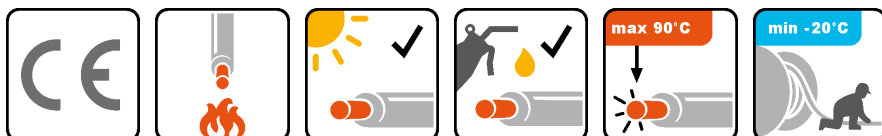
Rubber insulated cable NSSHÖu /3E acc. to VDE 0250 T. 812



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	rubber (EPR) 3GI3, halogen-free
arrangement of protective conductors:	copper wires on each core
sheathing material:	rubber (CR) 5GM5
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
ozone resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-20 - +80 °C

nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	3 kV

Application: At high mechanical stresses for the connection of heavy-duty underground mining, industrial and construction equipment, in dry and damp areas, and outdoors. The cable is largely flame-resistant and oil-proof.



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bending radii

installation	< 8 mm	8-12 mm	13-20 mm	> 20 mm
fixed installation	3D	3D	4D	4D
free movement	3D	4D	5D	5D
cable entry	3D	3D	4D	4D

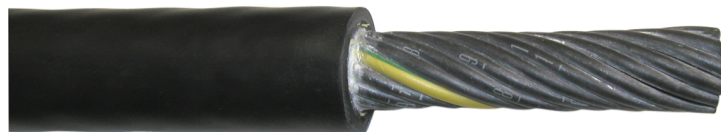
Table: Technical characteristics NSSHÖu /3E

p/n	part name	R _I [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{ZV} [N]	Cu [kg/km]	G [kg]
050821	(N)SSHOEU 03X2,5 + 03X2,5/3E GE	8,21	30	83	66	16,5	1200	144	370
051259	(N)SSHOEU 3X4 +3X4/3E +3X1,5 ST GE					19,4		285	600
050822	(N)SSHOEU 03X6 + 03X6/3E GE	3,39	53	98	78	19,5	270	298	602
050823	(N)SSHOEU 03X10 + 03X10/3E GE	1,95	74	121	96	24,1	450	442	912
050824	(N)SSHOEU 03X95 + 03X50/3E GE	0,21	301	276	221	55,2	4275	3437	5391
050825	(N)SSHOEU 03X2,5 + 03X2,5/3E + 03X1,5 St GE	8,21	30	96	76	18,9		198	470

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050826	(N)SSHOEU 03X6 + 03X6/3E + 03X1,5 St GE	3,39	53	111	89	20,9	270	341	620
050827	(N)SSHOEU 03X10 + 03X10/3E + 03X2,5 St GE	1,95	74	126	100	24,7	450	514	940
050828	(N)SSHOEU 03X16 + 03X16/3E + 03X2,5 St GE	1,24	99			29,1	720	754	1310
050829	(N)SSHOEU 03X25 + 03X16/3E + 03X2,5 St GE	0,795	131	161	128	32,5	1125	1042	1740
050830	(N)SSHOEU 03X35 + 03X16/3E + 03X2,5 St GE	0,565	162	180	144	36,7	1575	1368	2240
050831	(N)SSHOEU 03X50 + 3X25/3E + 03X2,5 St GE	0,393	202	216	173	43	2250	1896	3160
050832	(N)SSHOEU 03X70 + 03X35/3E + 03X2,5 St GE	0,277	250	231	184	46,8	3150	2587	4210
050833	(N)SSHOEU 03X95 + 03X50/3E + 03X2,5 St GE	0,21	301	271	217	53,6	4275	3509	5520
050834	(N)SSHOEU 03X120 + 03X70/3E + 03X2,5 St GE	0,164	352	310	248	57,9	5400	4440	6730
051039	(N)SSHOEU 03X150 + 03X95/3E + 03X2,5 St GE	0,132	404	384	256	63,9	6750	5304	8220

R _l	conductor resistance
I _{bl}	ampacity (in air)
R _{bb}	bending radius, moved application
R _{bv}	bending radius, fixed installation
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

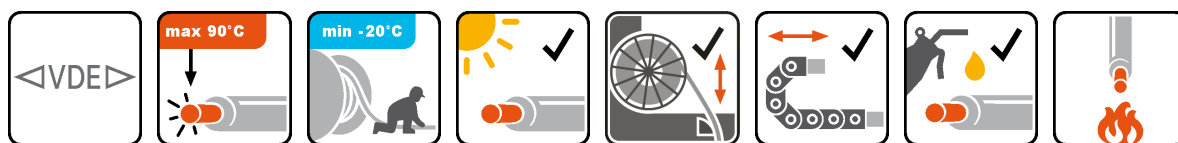
Rubber insulated reeling cable NSHTÖU acc. to VDE 0250 T. 814



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	rubber (EPR) 3GI3, halogen-free
inner sheath:	rubber GM1b
torsion protecting element:	polyester braid
sheathing material:	rubber (CR) 5GM3
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-20 - +80 °C
torsion:	+/- 25 °/m
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	3 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: As connection and control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load, and as drum and drag cable or hawser in dry, damp or wet rooms and in wet industrial conditions. The cable can be reeled and is resistant to acids, lyes, and oils.

Additional information: The maximum permissible speed is $v=2$ m/s.



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bending radii

installation	8 mm	8-12 mm	13-20 mm	20 mm
free movement	3D	3D	4D	4D
reeling operation	5D	5D	5D	6D
festoon	3D	4D	5D	5D
drag chain	4D	4D	5D	5D
multi roller	7,5D	7,5D	7,5D	7,5D

Table: Technical characteristics NSHTöu

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{Zv} [N]	Cu [kg/km]	G [kg]
051125	NSHTÖEU-J 03X1,5 SW	13,7	18	13,6		47	213
050523	NSHTÖEU-J 04X1,5 SW	13,7	18	14,4	90	58	275
050524	NSHTÖEU-J 05X1,5 SW	13,7	18	15,4		72	317
050313	NSHTÖEU-J 07X1,5 SW	13,7	18	18,8		101	414
050525	NSHTÖEU-J 12X1,5 SW	13,7	18	25,1	270	173	607
050526	NSHTÖEU-J 18X1,5 SW	13,7	18	25,2	405	260	743
050312	NSHTÖEU-J 24X1,5 SW	13,7	18	29,4	540	346	1024

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050527	NSHTOEU-J 30X1,5 SW	13,7	18	32,9	675	432	1327
050528	NSHTOEU-J 03X2,5 SW	8,21	26	14,8		72	300
050529	NSHTOEU-J 04X2,5 SW	8,21	26	17,2	150	96	415
050530	NSHTOEU-J 05X2,5 SW	8,21	26	18,2		120	464
050556	NSHTOEU-J 07X2,5 SW	8,21	26	20,8		168	575
050531	NSHTOEU-J 12X2,5 SW	8,21	26	28,2	450	288	904
050532	NSHTOEU-J 18X2,5 SW	8,21	26	29,2	675	432	1230
050533	NSHTOEU-J 19X2,5 + 05X1,5(C) SW	8,21	26	34		630	1450
050534	NSHTOEU-J 24X2,5 SW	8,21	26	34,3	900	576	1583
050739	NSHTOEU-J 25X2,5 + 05X1,5(C) SW	8,21	26	36		812	1850
050535	NSHTOEU-J 30X2,5 SW	8,21	26	38,5	1125	720	1841
050740	NSHTOEU-J 50X2,5 SW	8,21	26	47,7	1875	1200	3050
050536	NSHTOEU-J 04X4 SW	5,09	34	18,8	240	154	530
050537	NSHTOEU-J 04X6 SW	3,39	44	20,2	360	230,4	684
050538	NSHTOEU-J 04X10 SW	1,95	61	24,4	600	384	1017
050539	NSHTOEU-J 04X16 SW	1,24	82	27,9	960	615	1370
050540	NSHTOEU-J 04X25 SW	0,795	108	34,9	1500	960	1985
050541	NSHTOEU-J 04X35 SW	0,565	135	37,5	2100	1344	2605
050542	NSHTOEU-J 04X50 SW	0,393	168	44,2	3000	1920	3593
050543	NSHTOEU-J 04X70 SW	0,277	207	48,6	4200	2688	4950
050544	NSHTOEU-J 04X95 SW	0,21	250	55,4	5700	3648	6490
050545	NSHTOEU-J 04X120 SW	0,164	292	62	7200	4608	8600
050766	NSHTOEU-J 04X150 SW	0,132	335	67,6	9000	5760	9090
050767	NSHTOEU-J 04X185 SW	0,108	382	73,2	11100	7104	9730
050548	NSHTOEU-J 05X4 SW	5,09	34	20,1	300	192	630
050546	NSHTOEU-J 05X6 SW	3,39	44	22,7	450	288	790
050547	NSHTOEU-J 05X10 SW	1,95	61	26,3	750	480	1200
050749	NSHTOEU-J 05X16 SW	1,24	82	30,1	1200	768	1700

R_l conductor resistance

I_{bl} ampacity (in air)

D_A outer diameter

F_{zv} tensile strength (during installation)

Cu copper

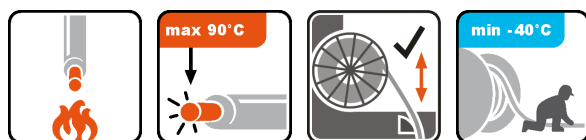
G weight

Rubber insulated reeling cable NSHTÖu /3

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	rubber (EPR) 3GI3, halogen-free
arrangement of protective conductors:	split into three elements in outer interstices
inner sheath:	rubber GM1b
torsion protecting element:	polyester braid
sheathing material:	rubber (CR) 5GM3
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-40 - +80 °C
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	3 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: As connection and control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load, and as drum and drag cable or hawser in dry, damp or wet rooms and in wet industrial conditions. The cable can be reeled and is resistant to acids, lyes, and oils.

Additional information: Maximum permitted speed $v=3$ m/s, permanent tensile load 20 N/qmm.



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bending radii

installation	8 mm	8-12 mm	13-20 mm	20 mm
free movement	3D	3D	4D	4D
reeling operation	5D	5D	5D	6D
festoon	3D	4D	5D	5D
drag chain	4D	4D	5D	5D
multi roller	7,5D	7,5D	7,5D	7,5D

Table: Technical characteristics NSHTÖu /3

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{ZV} [N]	Cu [kg/km]	G [kg]
050776	(N)SHTÖEU-J 03X50 + 03X25/3 SW	0,393	168	40,6	2250	1680	2600
050777	(N)SHTÖEU-J 03X70 + 03X35/3 SW	0,277	207	44,3	3150	2352	3600
050778	(N)SHTÖEU-J 03X95 + 03X50/3 SW	0,21	250	50,8	4275	3216	4400
050779	(N)SHTÖEU-J 03X120 + 03X70/3 SW	0,164	292	55,2	5400	4128	5800
050780	(N)SHTÖEU-J 03X150 + 03X70/3 SW	0,132	335	60	6750	4992	6700

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050781	(N)SHTOEU-J 03X185 + 03X95/3 SW	0,108	382	65,7	8325	6240	8003
050782	(N)SHTOEU-J 03X240 + 03X120/3 SW	0,0817	453	74	10800	8064	10800

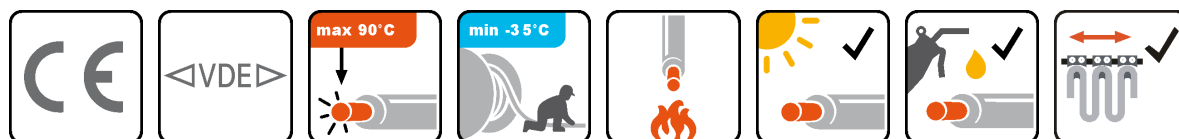
RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Flat wire NGFLGÖU acc. to VDE 0250 T. 809



conductor material:	bare copper
conductor construction:	fine stranded class 6, up from 35 sqmm class 5
insulation:	rubber (EPR) 3GI3, halogen-free
sheathing material:	rubber (CR) 5GM3
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
ozone resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-35 - +80 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: For the connection of mobile parts of machine tools, conveyor plants and major items of equipment, if the cable is exposed to bends in only one level; in dry, damp and wet areas as well as outdoors.



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Table: Technical characteristics NGFLGöu

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050505	NGFLGOEU-J 04X1,5 SW	13,7	23	17,5	6,2	90	58	200
050506	NGFLGOEU-J 05X1,5 SW	13,7	23	21,5	6,2	112	72	240
050507	NGFLGOEU-J 07X1,5 SW	13,7	23	29,1	6,2	157	101	360
050508	NGFLGOEU-J 08X1,5 SW	13,7	23	31,5	6,2	180	115	370
050509	NGFLGOEU-J 10X1,5 SW	13,7	23	39,9	6,5	225	144	460
050374	NGFLGOEU-J 12X1,5 SW	13,7	23	47,1	6,5	270	173	620
050510	NGFLGOEU-J 24X1,5 SW	13,7	23	55,1	12,5	540	346	1300
050555	NGFLGOEU-J 04X2,5 SW	8,21	31	21,1	7,5	150	96	280
050568	NGFLGOEU-J 05X2,5 SW	8,21	31	27,1	7,5	187	120	332
050372	NGFLGOEU-J 07X2,5 SW	8,21	31	34,9	7,5	262	168	520
050511	NGFLGOEU-J 08X2,5 SW	8,21	31	39,1	7,5	300	192	550
050569	NGFLGOEU-J 10X2,5 SW	8,21	31	47,9	8,1	375	240	680
050512	NGFLGOEU-J 12X2,5 SW	8,21	31	56,1	8,1	450	288	800
050570	NGFLGOEU-J 24X2,5 SW	8,21	31	68,2	16,2	900	576	1480

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050513	NGFLGOEU-J 04X4 SW	4,95	42	26,1	9,1	240	154	410
050571	NGFLGOEU-J 05X4 SW	4,95	42	32,1	9,1	300	192	560
050373	NGFLGOEU-J 07X4 SW	4,95	42	41,9	9,1	420	269	700
050514	NGFLGOEU-J 04X6 SW	3,3	54	29,1	9,5	360	230	600
050521	NGFLGOEU-J 05X6 SW	3,3	54	35,1	9,5	450	288	650
050522	NGFLGOEU-J 07X6 SW	3,3	54	42,1	9,5	630	403	850
050515	NGFLGOEU-J 04X10 SW	1,91	75	33,1	11,1	600	384	800
050516	NGFLGOEU-J 04X16 SW	1,21	100	37,8	12,9	960	614	1150
050768	NGFLGOEU-J 05X10 SW	1,91	75	44,1	11,1	750	480	1135
050572	NGFLGOEU-J 05X16 SW	1,21	100	49,8	12,9	1200	768	1450
050517	NGFLGOEU-J 04X25 SW	0,78	127	49,5	15,1	1500	960	1700
050573	NGFLGOEU-J 05X25 SW	0,78	127	59,8	16,1	1875	1200	2200
050564	NGFLGOEU-J 07X25 SW	0,78	127	79,7	16,1	2625	1680	2930
050518	NGFLGOEU-J 04X35 SW	0,554	158	54,9	17,1	2100	1344	2200
050574	NGFLGOEU-J 07X35 SW	0,554	158	88,2	17,1	3675	2352	3820
050519	NGFLGOEU-J 04X50 SW	0,386	192	62,8	18,9	1500	1920	3000
050575	NGFLGOEU-J 04X70 SW	0,272	246	71,2	22,1	4200	2688	3910
050520	NGFLGOEU-J 04X95 SW	0,206	298	79,8	24,8	5700	3648	5300
050576	(N)GFLGOEU-J 04X120 SW	0,129	346	85,8	27,2	7200	4608	6400

24 cores = 6 bunches of 4 cores

R _l	conductor resistance
I _{bl}	ampacity (in air)
b	width of (flat) cable
h	hight of (flat) cable
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Flat wire (N)GFLCGÖU acc. to VDE 0250 T. 809



conductor material:	bare copper
conductor construction:	fine stranded class 6, up from 35 sqmm class 5
insulation:	rubber (EPR) 3GI3, halogen-free
screen:	Cu-braid, tinned
screen coverage:	80 %
sheathing material:	rubber (CR) 5GM3
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
ozone resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-35 - +80 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V

Application: For the connection of mobile parts of machine tools, conveyor plants and major items of equipment, if the cable are exposed to bends in only one level. For installation in dry, damp and wet areas as well as outdoor. Due to the screening of each single core the cable has improved EMC performance.



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Table: Technical characteristics NGFLCGöu

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	Cu [kg/km]	G [kg]
050578	(N)GFLCGÖEU-J 04X1,5 SW	13,7	23	18,5	6,5	99	230
050426	(N)GFLCGÖEU-J 08X1,5 SW	13,7	23	36,1	7,5	228	640
050402	(N)GFLCGÖEU-J 12X1,5 SW	13,7	23	54,5	8,5	342	770
050387	(N)GFLCGÖEU-J 04X2,5 SW	8,21	31	22,5	7,5	163	340
050905	(N)GFLCGÖEU-J 12X2,5 SW	8,21	31	69,5	9,5	500	1061
050489	(N)GFLCGÖEU-J 04X4 SW	4,95	42	29,1	10,5	241	505
050469	(N)GFLCGÖEU-J 04X6 SW	3,3	54	31,1	10,5	353	600

p/n	part name	R _l [Ω/km]	I _{bl} [A]	b [mm]	h [mm]	Cu [kg/km]	G [kg]
050839	(N)GFLCGOEU-J 04X10 SW	1,91	75	36,1	10,5	495	855
050840	(N)GFLCGOEU-J 04X16 SW	1,21	100	41,5	13,5	687	1160
050841	(N)GFLCGOEU-J 04X25 SW	0,78	127	47,1	15,1	1114	1640
050842	(N)GFLCGOEU-J 04X35 SW	0,554	158	55,1	17,1	1482	2540
050843	(N)GFLCGOEU-J 04X50 SW	0,386	192	66,1	20,5	2012	3030
050769	(N)GFLCGOEU-O 04X(2X1) SW	19,5				273	640

RI	conductor resistance
Ibl	ampacity (in air)
b	width of (flat) cable
h	hight of (flat) cable
Cu	copper
G	weight



conductor material: bare copper
conductor construction: fine stranded, class 5
colour of outer sheath: black
flame retardant: VDE 0482-332-1-2/IEC 60332-1
ozone resistant: yes
maximum temperature at conductor: 60 °C
max. operating temperature, -25 - +60 °C
fixed:

core identification: green-yellow, blue, brown, black

Application: For the fixed and flexible connection of electrical appliances at low mechanical stresses in dry, damp and wet areas and outdoors. Thanks to the wire designation and the UV-resistant outer sheath, the cables are particularly suitable for the connection of roller blind and Venetian blind drives.



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Table: Technical characteristics A05RN-F

p/n	part name	R _I [Ω/km]	I _{bl} [A]	R _{bb} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
050920	FACAB Jalousie A05RN-F 04G0,75 SW UV Resistant	26,7	6		7,6	29	76
050619	FACAB Jalousie A05RN-F 04G0,75 GR UV Resistant	26,7	6	35	7,6	29	76

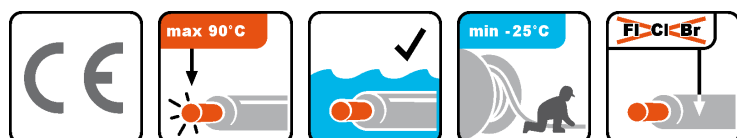
R _I	conductor resistance
I _{bl}	ampacity (in air)
R _{bb}	bending radius, moved application
D _A	outer diameter
Cu	copper
G	weight



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	rubber EI7
sheathing material:	rubber (CR) 5GM3
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +90 °C
temperature, moved/during installation:	-40 - +90 °C
bending radius, fixed installation:	3 x DA
bending radius, moved application:	5 x DA

	<i>Submersible pump cable (-J)</i>	<i>Submersible pump cable (-O)</i>
nominal voltage U₀:	450 V	450 V
nominal voltage U:	750 V	750 V
test voltage:	2,5 kV	2,5 kV
core identification:	colours acc. VDE 0293 (HD308)	

Application: As connection cable for submersible electric motors (pumps) for the permanent use in potable water up to temperature of 70 °C and to a depth of 600 m. The cable is resistant to chlor- and sea water, liquid manor, moreover for use in dry, damp and wet rooms with medium mechanical load. Test certificates of different national and international institutes are available on request.



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Table: Technical characteristics Submersible pump cable (-J)

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
051573	TML-J rund 03X1 BL Trinkwassertype	8,9	90	29	45
050562	TML-J rund 03X1,5 BL Trinkwassertype	9,3	100	43	67
050501	TML-J rund 03X2,5 BL Trinkwassertype	10,9	160	72	112
051056	TML-J rund 03X4 BL Trinkwassertype	12,3	220	115,2	180
051057	TML-J rund 03X6 BL Trinkwassertype	14	300	173	270
051058	TML-J rund 03X10 BL Trinkwassertype	16,8	460	288	450
051059	TML-J rund 03X16 BL Trinkwassertype	19,1	650	461	720

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
051060	TML-J rund 03X25 BL Trinkwassertype	23,8	980	720	1125
051061	TML-J rund 03X35 BL Trinkwassertype	26,7	1310	1008	1575
051062	TML-J rund 03X50 BL Trinkwassertype	31,3	1880	1440	2250
051063	TML-J rund 03X70 BL Trinkwassertype	35,9	2590	2016	3150
051064	TML-J rund 03X95 BL Trinkwassertype	48,6	4174	2736	4275
050499	TML-J rund 04X1,5 BL Trinkwassertype	10,5	130	58	90
050502	TML-J rund 04X2,5 BL Trinkwassertype	12,3	200	96	150

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
050503	TML-J rund 04X4 BL Trinkwassertype	13,9	280	154	240
050549	TML-J rund 04X6 BL Trinkwassertype	15,7	390	230	360
050550	TML-J rund 04X10 BL Trinkwassertype	18,7	600	384	600
050504	TML-J rund 04X16 BL Trinkwassertype	21,2	840	614	960
050551	TML-J rund 04X25 BL Trinkwassertype	26,5	1280	960	1500
050753	TML-J rund 04X35 BL Trinkwassertype	29,4	1700	1344	2100
050653	TML-J rund 04X50 BL Trinkwassertype	34,8	2450	1920	3000
050754	TML-J rund 04X70 BL Trinkwassertype	39,9	3370	2688	4200

Current rating according HD 384.5.523.

Table: Technical characteristics Submersible pump cable (-O)

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
050498	TML-O rund 01X1,5 BL Trinkwassertype	5,8	35	14,4	21
050961	TML-O rund 01X25 BL Trinkwassertype	11,9	290	240	375
050903	TML-O rund 01X50 BL Trinkwassertype	15,5	560	480	750
050910	TML-O rund 01X70 BL Trinkwassertype	17,8	780	672	1050
050624	TML-O rund 01X95 BL Trinkwassertype	20,1	1010	912	1425
051154	TML-O rund 01X120 BL Trinkwassertype	22,6	1290	1152	1800

Current rating according HD 384.5.523.

DA	outer diameter
G	weight
Cu	copper
Fzv	tensile strength (during installation)

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
050993	TML-J rund 04X95 BL Trinkwassertype	45,9	4430	3648	5700
051093	TML-J rund 04X120 BL Trinkwassertype	50,7	5260	4608	7200
051311	TML-J rund 07X1,5 BL Trinkwassertype	16,3	260	101	157
051404	TML-J rund 07X4 BL Trinkwassertype	21,4	500	269	420
051312	TML-J rund 12X1,5 BL Trinkwassertype	17,5	380	173	270
051171	TML-J rund 07X2,5 BL Trinkwassertype	19,1	380	168	262
051313	TML-J rund 12X2,5 BL Trinkwassertype	22,7	580	288	450

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
051155	TML-O rund 01X150 BL Trinkwassertype	24,9	1590	1440	2250
050928	TML-O rund 01X185 BL Trinkwassertype	27,5	1970	1776	2775
050929	TML-O rund 01X240 BL Trinkwassertype	30,5	2550	2304	3600
051055	TML-O rund 02X1 BL Trinkwassertype	9,1	93	19,2	30

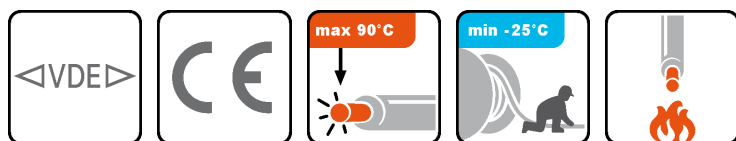
Rubber insulated wire NSGAFÖU acc. to VDE 0250 T. 602



conductor material: tinned copper
conductor construction: fine stranded, class 5
insulation: rubber (EPR) 3GI3, halogen-free
sheathing material: rubber (CR) 5GM5
flame retardant: VDE 0482-332-1-2/IEC 60332-1
ozone resistant: yes
maximum temperature at conductor: 90 °C
max. operating temperature, fixed: -40 - +90 °C
temperature, moved/during installation: -25 - +90 °C

	<i>NSGAFÖU 1,8/3 kV</i>	<i>NSGAFÖU 3,6/6 kV</i>
nominal voltage U₀:	1,8 kV	3,6 kV
nominal voltage U:	3,6 kV	6 kV
test voltage:	6 kV	11 kV

Application: This wire is designed for application in dry rooms, busses and railborn vehicles. If used in distribution or switching appliances the wire is considered to be short circuit proof. It is resistant against most oils and grease.



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Table: Technical characteristics NSGAFÖU 1,8/3 kV

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	I _k [kA]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	E _v [kWh/m]	Cu [kg/km]	G [kg]
050194	NSGAFOEU 01X1,5 1,8/3 kV SW	1,8	13,7	30	0,183	27,5	22	5,5	23	0,25	14,4	60
050178	NSGAFOEU 01X2,5 1,8/3 kV SW	2,4	8,21	41	0,305	29,5	23,6	5,9	38	0,28	24	70
050159	NSGAFOEU 01X4 1,8/3 kV SW	3	5,09	55	0,488	32	25,6	6,4	60	0,32	38	90
050165	NSGAFOEU 01X6 1,8/3 kV SW	3,9	3,39	70	0,732	35	28	7	90	0,35	58	120
050172	NSGAFOEU 01X10 1,8/3 kV SW	5,1	1,95	98	1,22	42	33,6	8,4	150	0,5	96	180
050183	NSGAFOEU 01X16 1,8/3 kV SW	6,3	1,24	132	1,95	46	36,8	9,2	240	0,65	154	250
050184	NSGAFOEU 01X25 1,8/3 kV SW	7,8	0,795	176	3,05	57,5	46	11,5	375	0,9	240	390
050163	NSGAFOEU 01X35 1,8/3 kV SW	9,2	0,565	218	4,27	64	51,2	12,8	525	1	336	470
050164	NSGAFOEU 01X50 1,8/3 kV SW	11	0,393	276	6,1	71,5	57,2	14,3	750	1,1	480	625
050182	NSGAFOEU 01X70 1,8/3 kV SW	13,1	0,277	347	8,54	80	64	16	1050	1,3	672	880

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	I _k [kA]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	E _v [kWh/m]	Cu [kg/km]	G [kg]
050208	NSGAFOEU 01X95 1,8/3 kV SW	15,1	0,21	416	11,6	91	72,8	18,2	1425	1,7	912	1190
050244	NSGAFOEU 01X120 1,8/3 kV SW	17	0,164	488	14,6	99,5	79,6	19,9	1800	1,9	1152	1430
050241	NSGAFOEU 01X150 1,8/3 kV SW	19	0,132	566	18,3	109	87,2	21,8	2250	2,2	1440	1750
050245	NSGAFOEU 01X185 1,8/3 kV SW	21	0,108	644	22,6	119	95,2	23,8	2775	2,6	1776	2160
050246	NSGAFOEU 01X240 1,8/3 kV SW	24	0,0817	775	29,3	133,5	106,8	26,7	3600	3,1	2304	2640
050247	NSGAFOEU 01X300 1,8/3 kV SW	27	0,0654	898	33,6	190	152	38	4500	3,6	2880	3178
050471	NSGAFOEU 01X400 1,8/3 kV SW	31	0,0486	1060	48,8	202	162	40,5	6000		3840	4200
050472	NSGAFOEU 01X500 1,8/3 kV SW	35	0,0384	1250	61	210	168	42	7500		4800	5500

I_{bl} - current rating for installation in free air with distance to wall and next cable > D acc. to VDE 0298-4 table 15 col. 2.

Table: Technical characteristics NSGAFOEU 3,6/6 kV

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
051081	NSGAFOEU 01X150 3,6/6 kV RT	19	0,132	546	305	183	30,5	2250	1440	1690
050856	NSGAFOEU 01X185 3,6/6 kV RT	21	0,108	622	331	199	33,1	2775	1776	2225

I_{bl} - current rating for installation in free air with distance to wall and next cable > D acc. to VDE 0298-4 table 15 col. 2.

D _I	diameter of conductor
R _I	conductor resistance
I _{bl}	ampacity (in air)
I _k	short circuit current (1 s)
R _{bb}	bending radius, moved application
R _{bv}	bending radius, fixed installation
D _A	outer diameter
F _{zv}	tensile strength (during installation)
E _v	combustion energy
Cu	copper
G	weight

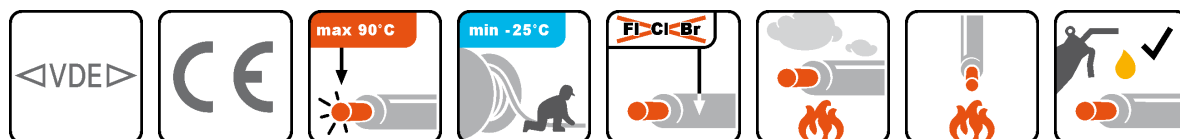
FRNC rubber cable NSHXAFÖ acc. to VDE 0250 T. 606



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	rubber (EPR) 3GI3, halogen-free
sheathing material:	FRNC compound HM3
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-25 - +70 °C

nominal voltage U₀:	1,8 kV
nominal voltage U:	3 kV
test voltage:	6 kV

Application: This insulated wire is designed for application in busses and railborn vehicles. If used in distribution or switching appliances up to 1000 V, it is considered to be short circuit proof. The cable is halogen-free, flame-retardant and resistant against most oils and grease.



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Table: Technical characteristics NSHXAFÖ

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050476	NSHXAFÖE 01X1,5 1,8/3 kV SW	13,3	30	0,183	35	28	6	21	14,4	60
050477	NSHXAFÖE 01X2,5 1,8/3 kV SW	7,98	41	0,305	37,5	30	6,5	41	24	70
050379	NSHXAFÖE 01X4 1,8/3 kV SW	4,95	55	0,488	45	36	7	60	38,4	85
050380	NSHXAFÖE 01X6 1,8/3 kV SW	3,3	70	0,732	47,5	38	7,5	90	57,6	110
050381	NSHXAFÖE 01X10 1,8/3 kV SW	1,91	98	1,22	55	44	9	150	96	160
050382	NSHXAFÖE 01X16 1,8/3 kV SW	1,21	132	1,95	65	52	10,5	240	153,6	240
050383	NSHXAFÖE 01X25 1,8/3 kV SW	0,795	176	3,05	75	60	12,5	375	240	365
050376	NSHXAFÖE 01X35 1,8/3 kV SW	0,554	219	4,27	82,5	66	13,5	525	336	494
050377	NSHXAFÖE 01X50 1,8/3 kV SW	0,386	276	6,1	90	72	15,5	750	480	656

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050353	NSHXAF0E 01X70 1,8/3 kV SW	0,272	347	8,54	102,5	82	17,5	1050	672	880
050356	NSHXAF0E 01X95 1,8/3 kV SW	0,206	416	11,6	120	96	20,5	1425	912	1090
050355	NSHXAF0E 01X120 1,8/3 kV SW	0,161	488	14,6	130	104	21,5	1800	1152	1340
050384	NSHXAF0E 01X150 1,8/3 kV SW	0,129	566	18,3	140	112	23,5	2250	1440	1640
050385	NSHXAF0E 01X185 1,8/3 kV SW	0,106	644	22,6	155	124	25,5	2775	1776	2160
050386	NSHXAF0E 01X240 1,8/3 kV SW	0,0801	775	29,3	172,5	138	28	3600	2304	2570
050654	NSHXAF0E 01X300 1,8/3 kV SW	0,0641	898	33,6	190	152	31,5	4500	2890	3470
050892	(N)SHXAF0E 01X500 1,8/3 kV SW	0,0384	1250	61	210,5	168	43,5	7500	4800	5860

R _l	conductor resistance
I _{bl}	ampacity (in air)
I _k	short circuit current (1 s)
R _{bb}	bending radius, moved application
R _{bv}	bending radius, fixed installation
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

FRNC wire H05/07Z-K acc. to EN 50525-3-41

1X1.5 mm² H07Z-K IEMMEQU <HARD>

conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: polyolefin EI5, halogen-free, cross-linked
flame retardant: VDE 0482-332-1-2/IEC 60332-1
smoke density: DIN EN 61034/IEC 61034
halogen free: DIN EN 50267/IEC 60754
maximum temperature at conductor: 90 °C
max. operating temperature, fixed: 70 °C

	H05Z-K	H07Z-K
nominal voltage U₀:	300 V	450 V
nominal voltage U:	500 V	750 V
test voltage:	2,5 kV	2,5 kV

Application: For installation in tubes and ducts on and under plaster, for the internal wiring of electrical appliances, switching and distribution tools, as well as in busses and railborn vehicles.



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Table: Technical characteristics H05Z-K

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
040287	H05Z-K 01X0,5 SW	1,9	9	4,8
040288	H05Z-K 01X0,5 GG	1,9	9	4,8
040433	H05Z-K 01X0,5 GR	1,9	9	4,8
040290	H05Z-K 01X0,5 HB	1,9	9	4,8
040289	H05Z-K 01X0,5 BR	1,9	9	4,8
040321	H05Z-K 01X0,5 DB	1,9	9	4,8
040320	H05Z-K 01X0,5 RT	1,9	9	4,8
040291	H05Z-K 01X0,75 SW	2,2	13	7,2
040292	H05Z-K 01X0,75 GG	2,2	13	7,2
040294	H05Z-K 01X0,75 HB	2,2	13	7,2
040293	H05Z-K 01X0,75 BR	2,2	13	7,2
040323	H05Z-K 01X0,75 DB	2,2	13	7,2

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
040322	H05Z-K 01X0,75 RT	2,2	13	7,2
040698	H05Z-K 01X0,75 OR	2,2	12	7,2
040295	H05Z-K 01X1 SW	2,5	15	9,6
040296	H05Z-K 01X1 GG	2,5	15	9,6
040434	H05Z-K 01X1 GR	2,5	15	9,6
040298	H05Z-K 01X1 HB	2,5	15	9,6
040297	H05Z-K 01X1 BR	2,5	15	9,6
040325	H05Z-K 01X1 DB	2,5	15	9,6
040324	H05Z-K 01X1 RT	2,5	15	9,6

Table: Technical characteristics H07Z-K

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
040264	H07Z-K 01X1,5 SW	3,1	21	14,4
040265	H07Z-K 01X1,5 GG	3,1	21	14,4
040267	H07Z-K 01X1,5 HB	3,1	21	14,4
040266	H07Z-K 01X1,5 BR	3,1	21	14,4
040327	H07Z-K 01X1,5 DB	3,1	21	14,4
040326	H07Z-K 01X1,5 RT	3,1	21	14,4
040268	H07Z-K 01X2,5 SW	3,8	34	24

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
040269	H07Z-K 01X2,5 GG	3,8	34	24
040271	H07Z-K 01X2,5 HB	3,8	34	24
040270	H07Z-K 01X2,5 BR	3,8	34	24
040329	H07Z-K 01X2,5 DB	3,8	34	24
040328	H07Z-K 01X2,5 RT	3,8	34	24
040272	H07Z-K 01X4 SW	4,4	47	38
040274	H07Z-K 01X4 GG	4,4	47	38

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
040276	H07Z-K 01X4 HB	4,4	47	38
040275	H07Z-K 01X4 BR	4,4	47	38
040331	H07Z-K 01X4 DB	4,4	47	38
040330	H07Z-K 01X4 RT	4,4	47	38
040277	H07Z-K 01X6 SW	5,4	72	58
040278	H07Z-K 01X6 GG	5,4	72	58
040280	H07Z-K 01X6 HB	5,4	72	58
040279	H07Z-K 01X6 BR	5,4	72	58
040333	H07Z-K 01X6 DB	5,4	72	58
040332	H07Z-K 01X6 RT	5,4	72	58
040281	H07Z-K 01X10 SW	6,5	120	96
040282	H07Z-K 01X10 GG	6,5	120	96
040767	H07Z-K 01X10 HB	6,5	120	96
040335	H07Z-K 01X10 DB	6,5	120	96
040334	H07Z-K 01X10 RT	6,5	120	96
040283	H07Z-K 01X16 SW	7,3	170	154
040284	H07Z-K 01X16 GG	7,3	170	154
040768	H07Z-K 01X16 HB	7,3	170	154
040337	H07Z-K 01X16 DB	7,3	170	154
040336	H07Z-K 01X16 RT	7,3	170	154
040285	H07Z-K 01X25 SW	9,5	260	240
040286	H07Z-K 01X25 GG	9,5	260	240
040769	H07Z-K 01X25 HB	9,5	260	240

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
040339	H07Z-K 01X25 DB	9,5	260	240
040338	H07Z-K 01X25 RT	9,5	260	240
040301	H07Z-K 01X35 SW	10,9	360	336
040311	H07Z-K 01X35 GG	10,9	360	336
040302	H07Z-K 01X50 SW	11,7	515	480
040312	H07Z-K 01X50 GG	11,7	515	480
040303	H07Z-K 01X70 SW	13,5	710	672
040313	H07Z-K 01X70 GG	13,5	710	672
040304	H07Z-K 01X95 SW	15,5	940	912
040314	H07Z-K 01X95 GG	15,5	940	912
040305	H07Z-K 01X120 SW	17	1180	1152
040315	H07Z-K 01X120 GG	17	1180	1152
040306	H07Z-K 01X150 SW	19	1600	1440
040316	H07Z-K 01X150 GG	19	1600	1440
040308	H07Z-K 01X185 SW	21	2100	1776
040317	H07Z-K 01X185 GG	21	2100	1776
040309	H07Z-K 01X240 SW	24	3015	2304
040318	H07Z-K 01X240 GG	24	3015	2304
040310	H07Z-K 01X300 SW		3398	2880
040319	H07Z-K 01X300 GG		3398	2880

Heat resistant wire H07G-K acc. to EN 50525-2-42

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	rubber EI3
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	110 °C
max. operating temperature, fixed:	-40 - +110 °C
temperature, moved/during installation:	-25 - +110 °C
bending radius, fixed installation:	7 x DA
nominal voltage U₀:	450 V
nominal voltage U:	750 V
test voltage:	2,5 kV

Application: For installation in pipes on, in and under plaster as well as in closed cable ducts and for internal wiring of devices, switching and distribution system with ambient temperatures over 55 °C.



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Table: Technical characteristics

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040347	H07G-K 01X0,75 SW	26			7,2	14
040346	H07G-K 01X1,5 SW	13,7	24	3,3	14,4	21
040345	H07G-K 01X2,5 SW	7,98	32	3,9	24	32
040371	H07G-K 01X4 SW	4,95	42	4,8	38,4	46
040894	H07G-K 01X6 SW			6	58	78
040377	H07G-K 01X16 SW	1,21	54	7,8	154	180
040878	H07G-K 01X16 BR			8,9	154	212
040378	H07G-K 01X25 SW	0,78	73	9,9	240	270

R _I	conductor resistance
I _{bl}	ampacity (in air)
D _A	outer diameter
Cu	copper
G	weight



conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	rubber (EPR) EI4
self supporting element:	textile
sheathing material:	rubber 5GM2
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-30 - +70 °C
bending radius, moved application:	10 x DA
	<i>L-STN</i>
nominal voltage U₀:	450 V
nominal voltage U:	750 V
test voltage:	3 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: Highly flexible elevator cable with integrated textile strength members for heights up to 80 m. For application in conveyor plants and energy chain with more frequent, movement also obligation-led. For the application inside of buildings and outdoors.



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Table: Technical characteristics L-STN

p/n	part name	R _i [Ω/km]	I _{bl} [A]	D _A [mm]	F _{ZV} [N]	Cu [kg/km]	G [kg]
050625	L-STN-JB 03X1 SW	19,5	10	8,9	250	32	110
050626	L-STN-JZ 07X1 SW	19,5	10	13,5	2500	73	204
050627	L-STN-JZ 12X1 SW	19,5	10	19,5	2500	125	389
050628	L-STN-JZ 18X1 SW	19,5	10	20,1	1550	195	471
050629	L-STN-JZ 24X1 SW	19,5	10	22,5	2500	262	650
050630	L-STN-JZ 36X1 SW	19,5	10	26,9	2500	402	910
050631	L-STN-JZ 54X1 SW	19,5	10	32,2	2500	656	1399
050632	L-STN-JB 03X1,5 SW	13,3	18	9,5	250	48	113
050633	L-STN-JB 04X1,5 SW	13,3	18	11,5	350	64	150
050634	L-STN-JB 05X1,5 SW	13,3	18	11,9	1000	80	180
050635	L-STN-JZ 07X1,5 SW	13,3	18	13,5	2500	112	270
050636	L-STN-JZ 09X1,5 SW	13,3	18	16,5	2500	143	359
050637	L-STN-JZ 12X1,5 SW	13,3	18	20,9	2500	187	510
050638	L-STN-JZ 18X1,5 SW	13,3	18	22,1	2500	291	619
050639	L-STN-JZ 24X1,5 SW	13,3	18	24,8	2000	376	817

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050640	L-STN-JZ 42X1,5 SW	13,3	18	31,8	2500	679	1380
050641	L-STN-JB 04X2,5 SW	7,98	22	12,5	350	106	210
050642	L-STN-JB 05X2,5 SW	7,98	22	14,5	1200	138	255
050643	L-STN-JZ 07X2,5 SW	7,98	22	17,5	2500	193	380
050644	L-STN-JZ 12X2,5 SW	7,98	22	25,9	2500	344	690
050645	L-STN-JZ 37X2,5 SW	7,98	22	36,5	2500	1035	1784
050646	L-STN-JB 04X6 SW	3,3	38	17,9	1000	248	445
051130	L-STN-JB 05X6 SW			19,2		295	555

Table: Technical characteristics L-STCN

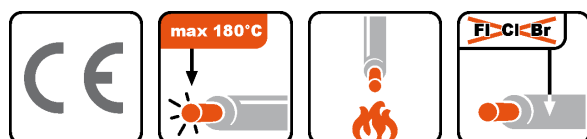
p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050577	L-STCN-OZ 06X0,75 BL	26,7	6	11,5		129	170
050565	L-STCN-JB 04X1 SW	19,5	10	11,5	150	74	150
050566	L-STCN-JZ 07X1 SW	19,5	10	14,9	250	129	250
050647	L-STCN-JZ 12X1 SW	19,5	10	20,5	480	208	480
050648	L-STCN-JZ 18X1 SW	19,5	10	20,9	510	292	510
050649	L-STCN-JZ 24X1 SW	19,5	10	24,9	750	398	750
050650	L-STCN-OB 06X1,5 GE	13,3	18	14,9	280	129	280

R _l	conductor resistance
I _{bl}	ampacity (in air)
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight



conductor material:	tinned copper
conductor construction:	solid, class 1
insulation:	silicone rubber
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	180 °C
max. operating temperature,	-60 - +180 °C
fixed:	
bending radius, moved	6 x DA
application:	
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV

Application: For operation at environment temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distributions.



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Table: Technical characteristics SiD

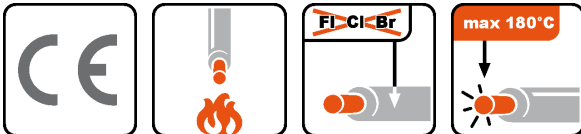
p/n	part name	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
034750	SiD 01X0,75 WS	24,8	0,6	15	2,9	7,2	13
034753	SiD 01X0,75 OR	24,8	0,6	15	2,9	7,2	13
031939	SiD 01X1 SW	18,2	0,6	19	2,3	9,6	13
031940	SiD 01X1 WS	18,2	0,6	19	2,3	9,6	13
031941	SiD 01X1,5 BL	12,2	0,7	24	2,6	14,4	19
031942	SiD 01X1,5 BR	12,2	0,7	24	2,6	14,4	19
031943	SiD 01X1,5 GG	12,2	0,7	24	2,6	14,4	19
032653	SiD 01X1,5 GR	12,2	0,7	24	2,6	14,4	19
031944	SiD 01X1,5 SW	12,2	0,7	24	2,6	14,4	19
033886	SiD 01X2,5 BL	7,41	0,8	32	3,2	24	29
033887	SiD 01X2,5 BR	7,41	0,8	32	3,2	24	29
033889	SiD 01X2,5 GR	7,41	0,8	32	3,2	24	29
033885	SiD 01X2,5 RT	7,41	0,8	32	3,2	24	29
033884	SiD 01X2,5 SW	7,41	0,8	32	3,2	24	29
033888	SiD 01X2,5 WS	7,41	0,8	32	3,2	24	29

R _I	conductor resistance
W _I	thickness of insulation
I _{bl}	ampacity (in air)
D _A	outer diameter
Cu	copper
G	weight



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	silicone rubber
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	180 °C
max. operating temperature,	-60 - +180 °C
fixed:	
bending radius, fixed	6 x DA
installation:	
bending radius, moved	15 x DA
application:	
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV

Application: For operation at environment temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distributions.



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Table: Technical characteristics SiF

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
031069	SiF 01X0,25 BL	82	0,8	4	1,8	2,4	5,5
031070	SiF 01X0,25 SW	82	0,8	4	1,8	2,4	5,5
031071	SiF 01X0,25 BR	82	0,8	4	1,8	2,4	5,5
031072	SiF 01X0,25 GR	82	0,8	4	1,8	2,4	5,5
031073	SiF 01X0,25 WS	82	0,8	4	1,8	2,4	5,5
031074	SiF 01X0,25 RT	82	0,8	4	1,8	2,4	5,5
031289	SiF 01X0,34 GG	59	0,8	5	1,9	3,3	7,1
031290	SiF 01X0,34 BL	59	0,8	5	1,9	3,3	7,1
031291	SiF 01X0,34 SW	59	0,8	5	1,9	3,3	7,1
031292	SiF 01X0,34 BR	59	0,8	5	1,9	3,3	7,1
031293	SiF 01X0,34 GR	59	0,8	5	1,9	3,3	7,1
031294	SiF 01X0,34 WS	59	0,8	5	1,9	3,3	7,1
031295	SiF 01X0,34 RT	59	0,8	5	1,9	3,3	7,1
031075	SiF 01X0,5 GG	40,1	0,8	6	2,1	4,8	8,6
031076	SiF 01X0,5 BL	40,1	0,8	6	2,1	4,8	8,6
031077	SiF 01X0,5 SW	40,1	0,8	6	2,1	4,8	8,6
031078	SiF 01X0,5 BR	40,1	0,8	6	2,1	4,8	8,6

p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
031079	SiF 01X0,5 GR	40,1	0,8	6	2,1	4,8	8,6
031080	SiF 01X0,5 WS	40,1	0,8	6	2,1	4,8	8,6
031081	SiF 01X0,5 RT	40,1	0,8	6	2,1	4,8	8,6
031082	SiF 01X0,75 GR	26,7	0,8	15	2,4	7,2	11
031083	SiF 01X0,75 WS	26,7	0,8	15	2,4	7,2	11
031084	SiF 01X0,75 RT	26,7	0,8	15	2,4	7,2	11
030993	SiF 01X0,75 SW	26,7	0,8	15	2,4	7,2	11
030992	SiF 01X0,75 BR	26,7	0,8	15	2,4	7,2	11
030991	SiF 01X0,75 BL	26,7	0,8	15	2,4	7,2	11
030990	SiF 01X0,75 GG	26,7	0,8	15	2,4	7,2	11
030994	SiF 01X1 GG	20	0,8	19	2,5	9,6	13,6
030997	SiF 01X1 SW	20	0,8	19	2,5	9,6	13,6
030996	SiF 01X1 BR	20	0,8	19	2,5	9,6	13,6
030995	SiF 01X1 BL	20	0,8	19	2,5	9,6	13,6
031085	SiF 01X1 GR	20	0,8	19	2,5	9,6	13,6
031086	SiF 01X1 WS	20	0,8	19	2,5	9,6	13,6
031087	SiF 01X1 RT	20	0,8	19	2,5	9,6	13,6
030999	SiF 01X1,5 BL	13,7	0,8	24	2,8	14,4	20,3
030998	SiF 01X1,5 GG	13,7	0,8	24	2,8	14,4	20,3
030972	SiF 01X1,5 RT	13,7	0,8	24	2,8	14,4	20,3
030971	SiF 01X1,5 BR	13,7	0,8	24	2,8	14,4	20,3
030970	SiF 01X1,5 SW	13,7	0,8	24	2,8	14,4	20,3
031088	SiF 01X1,5 GR	13,7	0,8	24	2,8	14,4	20,3
031089	SiF 01X1,5 WS	13,7	0,8	24	2,8	14,4	20,3
031090	SiF 01X2,5 GG	8,21	0,9	32	3,4	24	32
031091	SiF 01X2,5 BL	8,21	0,9	32	3,4	24	32
030967	SiF 01X2,5 SW	8,21	0,9	32	3,4	24	32
030968	SiF 01X2,5 RT	8,21	0,9	32	3,4	24	32
030969	SiF 01X2,5 BR	8,21	0,9	32	3,4	24	32
031092	SiF 01X2,5 GR	8,21	0,9	32	3,4	24	32
031093	SiF 01X2,5 WS	8,21	0,9	32	3,4	24	32
031094	SiF 01X4 GG	5,09	1	42	4,2	38,4	48,5
031095	SiF 01X4 BL	5,09	1	42	4,2	38,4	48,5
031096	SiF 01X4 SW	5,09	1	42	4,2	38,4	48,5
031097	SiF 01X4 BR	5,09	1	42	4,2	38,4	48,5
031098	SiF 01X4 GR	5,09	1	42	4,2	38,4	48,5
031099	SiF 01X4 WS	5,09	1	42	4,2	38,4	48,5
031100	SiF 01X4 RT	5,09	1	42	4,2	38,4	48,5
031101	SiF 01X6 GG	3,39	1	54	5,2	57,6	71
031102	SiF 01X6 BL	3,39	1	54	5,2	57,6	71
031103	SiF 01X6 SW	3,39	1	54	5,2	57,6	71
031104	SiF 01X6 BR	3,39	1	54	5,2	57,6	71
031105	SiF 01X6 GR	3,39	1	54	5,2	57,6	71
031106	SiF 01X6 WS	3,39	1	54	5,2	57,6	71
031107	SiF 01X6 RT	3,39	1	54	5,2	57,6	71
032021	SiF 01X10 BL	1,95	1,2	73	6,3	96	124
032022	SiF 01X10 BR	1,95	1,2	73	6,3	96	124
031108	SiF 01X10 SW	1,95	1,2	73	6,3	96	124
031109	SiF 01X10 GG	1,95	1,2	73	6,3	96	124
032025	SiF 01X10 WS	1,95	1,2	73	6,3	96	124
031115	SiF 01X16 SW	1,24	1,2	98	8	153,6	188
031111	SiF 01X16 GG	1,24	1,2	98	8	153,6	188
031112	SiF 01X25 SW	0,795	1,4	129	9,9	240	296
031113	SiF 01X25 GG	0,795	1,4	129	9,9	240	296
031114	SiF 01X35 SW	0,565	1,4	158	11,2	336	400
031116	SiF 01X35 GG	0,565	1,4	158	11,2	336	400
031117	SiF 01X50 SW	0,393	1,6	198	13,8	480	570
030963	SiF 01X70 SW	0,277	1,6	245	14,8	672	766
031118	SiF 01X95 SW	0,21	1,8	292	18,2	912	1030

p/n	part name	R _I [Ω/km]	W _i [mm]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
031119	SiF 01X120 SW	0,164	1,8	344	18,8	1152	1300
031281	SiF 01X150 SW	0,132	2	391	20,8	1440	1563
031288	SiF 01X185 SW	0,108	2,2	448	23,3	1776	1915
032108	SiF 01X240 SW	0,082	2,4	528	26,1	2304	2440
032109	SiF 01X300 SW	0,065	2,4	608	28,9	2880	3100

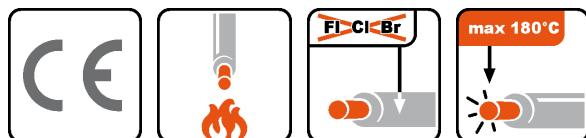
RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight



conductor material: tinned copper
conductor construction: fine stranded, class 5
insulation: silicone rubber
covering: braided glass fibers
halogen free: DIN EN 50267/IEC 60754
maximum temperature at conductor: 180 °C
max. operating temperature, -60 - +180 °C
fixed:
bending radius, fixed 15 x DA
installation:

nominal voltage U₀: 300 V
nominal voltage U: 500 V
test voltage: 2 kV

Application: For operation at environment temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distributions.



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Table: Technical characteristics SiF/GL

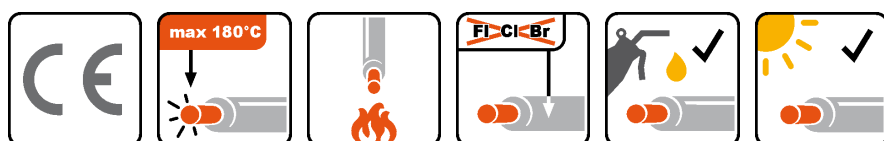
p/n	part name	R _i [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bb} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
034714	SiF/GL-O 01X0,25 WS			4		2,4	2,4	8
034715	SiF/GL-O 01X0,5 WS	40,1		6		2,6	5	12
034716	SiF/GL-O 01X0,75 WS	26,7		15		2,9	7,2	16
034717	SiF/GL-O 01X1 WS	20	0,8	19		3	9,6	18
034718	SiF/GL-O 01X1,5 WS	13,7	0,8	19		3,3	14,4	24
034719	SiF/GL-O 01X2,5 WS	8,21	0,9	32		3,9	24	35
034720	SiF/GL-O 01X4 WS	2,09	1	42	36	4,7	38,4	53
035047	SiF/GL-O 01X4 SW	5,09	1	42	36	4,7	38,4	53
032651	SiF/GL-O 01X6 WS	3,39	1	54	41	5,4	58	77
034721	SiF/GL-O 01X10 WS	1,95	1,2	73	57	7,6	96	129
034722	SiF/GL-O 01X16 WS	1,24	1,2	98	67	8,9	154	198
034723	SiF/GL-O 01X25 WS	0,795	1,4	129	82	10,9	240	303
034522	SiF/GL-O 01X35 WS	0,565	1,4	159	91	12,1	336	413
034724	SiF/GL-O 01X50 WS	0,393	1,6	198	108	14,4	480	578
033844	SiF/GL-O 01X70 WS	0,277	1,6	245	112	14,9	672	831
033845	SiF/GL-O 01X95 WS	0,21	1,8	292	138	18,4	912	1117
033846	SiF/GL-O 01X120 WS	0,164	1,8	344	146	19,4	1152	1410
033847	SiF/GL-O 01X150 WS	0,132	2	391	176	23,4	1440	1695
033848	SiF/GL-O 01X185 WS	0,108	2,2	448	180	24	1776	2077
034725	SiF/GL-O 01X240 WS	0,082	2,4	528		26,9	2304	2498
035842	SiF/GL-O 01X300 WS					30,9	2880	3490

RI	conductor resistance
Wi	thickness of insulation
Ibl	ampacity (in air)
Rbb	bending radius, moved application
DA	outer diameter
Cu	copper
G	weight



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	silicone rubber
sheathing material:	silicone rubber
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	180 °C
max. operating temperature, fixed:	-60 - +180 °C
bending radius, fixed	5 x DA
installation:	
bending radius, moved	15 x DA
application:	
	<i>SiHF-J</i>
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: For connection of mobile electrical appliances without mechanical stress at increased environmental temperatures, for example in steel-works, but also at low temperatures. Insulation and sheath are resistant against most oils, acids, lyes and oxydants. For fixed installation in mechanical protected conduits. For indoor and outdoor use.



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Table: Technical characteristics SiHF-J

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
035233	SiHF-J 03X0,5 RT	40,1	9	5,9	14,4	42
035234	SiHF-J 04X0,5 RT	40,1	9	6,6	19,2	54
035235	SiHF-J 05X0,5 RT	40,1	9	7,3	24	62
035236	SiHF-J 07X0,5 RT	40,1	9	8,1	34	82
035237	SiHF-J 10X0,5 RT	40,1	9	10,4	48,1	124
035238	SiHF-J 12X0,5 RT	40,1	9	10,8	57,6	141
035239	SiHF-J 16X0,5 RT	40,1	9	12,3	76,8	186
035240	SiHF-J 18X0,5 RT	40,1	9	12,9	86,5	211
030709	SiHF-J 03X0,75 RT	26,7	12	6,8	21,6	66
030710	SiHF-J 04X0,75 RT	26,7	12	7,8	28,8	84
030942	SiHF-J 05X0,75 RT	26,7	12	8,5	36	101
031120	SiHF-J 06X0,75 RT	26,7	12	9,4	43,2	126
030943	SiHF-J 07X0,75 RT	26,7	12	9,6	50,4	158
035547	SiHF-J 12X0,75 RT	26,7	12	11,1	86,5	178
035548	SiHF-J 18X0,75 RT	26,7	12	13,3	130	260
035549	SiHF-J 25X0,75 RT	26,7	12	15,6	180	370

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
030676	SiHF-J 03X1 RT	20	15	7,4	28,8	78
030682	SiHF-J 04X1 RT	20	15	8	38,4	95
030944	SiHF-J 05X1 RT	20	15	8,8	48	116
030678	SiHF-J 07X1 RT	20	15	10	67,2	177
035895	SiHF-J 12X1 RT	20	15	12,6	115,2	256
035104	SiHF-J 16X1 RT	20	15	14,3	154	302
035896	SiHF-J 18X1 RT	20	15	15,1	172,9	374
032872	SiHF-J 20X1 RT	20	15	15,8	192	400
036093	SiHF-J 25X1 RT	20	15	18,5	240	431
030680	SiHF-J 03X1,5 RT	13,7	18	8	43,2	98
030665	SiHF-J 04X1,5 RT	13,7	18	8,8	57,6	122
030711	SiHF-J 05X1,5 RT	13,7	18	9,6	72	148
030800	SiHF-J 07X1,5 RT	13,7	18	10,9	101	232
032635	SiHF-J 08X1,5 RT	13,7	18	11,6	115,2	213
030791	SiHF-J 12X1,5 RT	13,7	18	14,8	172,8	332
032625	SiHF-J 18X1,5 RT	13,7	18	17,6	259,2	510
030945	SiHF-J 20X1,5 RT	13,7	18	18,5	288	549
030946	SiHF-J 24X1,5 RT	13,7	18	20,2	345,6	635
036094	SiHF-J 25X1,5 RT	13,7	18	21	360	449
030664	SiHF-J 03X2,5 RT	8,21	26	9,7	72	152
030674	SiHF-J 04X2,5 RT	8,21	26	10,6	96	189
030691	SiHF-J 05X2,5 RT	8,21	26	11,6	120	229
030766	SiHF-J 07X2,5 RT	8,21	26	12,9	168	348
033890	SiHF-J 12X2,5 RT	8,21	26	17,5	288	530
033511	SiHF-J 16X2,5 RT	8,21	26	19,1	384	659
032636	SiHF-J 19X2,5 RT	8,21	26	21,1	456	912
035899	SiHF-J 21X2,5 RT	8,21	26	23	504	1008
032314	SiHF-J 25X2,5 RT	8,21	26	25,7	600	1200
031126	SiHF-J 03X4 RT	4,95	34	11,5	115	249
030668	SiHF-J 04X4 RT	5,09	34	13	154	330
030696	SiHF-J 05X4 RT	4,95	34	15	192	359
031127	SiHF-J 07X4 RT	4,95	34	16,2	269	487
031129	SiHF-J 03X6 RT	3,39	44	14,2	173	352
031130	SiHF-J 04X6 RT	3,39	44	16,2	230	429
030690	SiHF-J 05X6 RT	3,39	44	17,7	288	564
030951	SiHF-J 07X6 RT	3,39	44	19,3	403	685
030708	SiHF-J 04X10 RT	1,95	61	21,4	384	710
030707	SiHF-J 04X16 RT	1,24	82	24	615	1014
031332	SiHF-J 04X25 RT	0,795	108	29,3	960	1460
032880	SiHF-J 04X35 RT	0,565	135	33	1344	2044
032847	SiHF-J 04X50 RT	0,393	168	34	1920	2990
035844	SiHF-J 04X70 RT	0,277	207	44,5	2688	3550
035845	SiHF-J 04X95 RT	0,21	250	51	3648	4800
033749	SiHF-J 05X10 RT	1,95	61	22,5	480	900
031611	SiHF-J 05X16 RT	1,24	82	26,9	768	1206
035606	SiHF-J 05X35 RT	0,565	135	36,7	1680	2850

Table: Technical characteristics SiHF-O

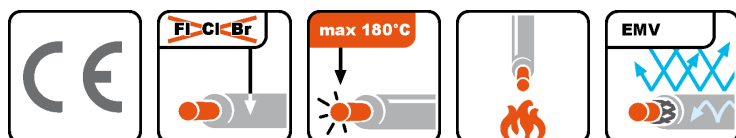
p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
031179	SiHF-O 02X0,75 RT	26,7	12	6,4	14,4	57
035149	SiHF-O 03X0,75 RT	26,7	12	6,8	21,6	66
031180	SiHF-O 02X1 RT	20	15	6,6	19,2	64
031181	SiHF-O 02X1,5 RT	13,7	18	7,6	28,8	87
031182	SiHF-O 02X2,5 RT	8,21	26	9,2	48	137
031183	SiHF-O 02X4 RT	4,95	34	10,8	76,8	192
031184	SiHF-O 02X6 RT	3,39	44	13,4	116	289

RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	silicone rubber
inner sheath:	silicone rubber
screen:	Cu-braid, tinned
sheathing material:	silicone rubber
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	180 °C
max. operating temperature,	-60 - +180 °C
fixed:	
bending radius, fixed	5 x DA
installation:	
bending radius, moved	10 x DA
application:	
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: For connection of electrical appliances without mechanical stress at increased environmental temperatures, for example in steel-works, but also at low temperatures. Insulation and sheath are resistant against most oils, acids, lyes and oxydants. For indoor and outdoor use. The cable is designed for connections in EMI-sensitive applications.



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Table: Technical characteristics SiHF-C-Si-J/-O

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
034550	SiHF-C-Si-O 02X0,5 RT	8,7	101	56
036095	SiHF-C-Si-J 03X0,5 RT	8,3	114	61
031971	SiHF-C-Si-J 04X0,5 RT	9,3	138	66,5
036096	SiHF-C-Si-J 05X0,5 RT	9,9	156	82
032125	SiHF-C-Si-J 07X0,5 RT	11,2	197	95
036097	SiHF-C-Si-J 12X0,5 RT	13,5	283	134,4
036098	SiHF-C-Si-J 25X0,5 RT	18,5	444	230,1
034551	SiHF-C-Si-O 02X0,75 RT	9,2	132	62
031574	SiHF-C-Si-J 03X0,75 RT	9,6	145	69,1
031894	SiHF-C-Si-J 04X0,75 RT	10,7	180	86
033728	SiHF-C-Si-J 05X0,75 RT	11,6	208	95,2
032639	SiHF-C-Si-J 07X0,75 RT	12,3	244	113,3
036099	SiHF-C-Si-J 12X0,75 RT	15,2	356	180,3
036100	SiHF-C-Si-J 18X0,75 RT	18	494	282,1
036101	SiHF-C-Si-J 25X0,75 RT	20,8	600	297,4
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
034552	SiHF-C-Si-O 02X1 RT	9,6	145	67
033737	SiHF-C-Si-J 03X1 RT	10	160	86,2
032889	SiHF-C-Si-J 04X1 RT	11,4	206	97
033729	SiHF-C-Si-J 05X1 RT	12,3	237	110
032890	SiHF-C-Si-J 07X1 RT	13	278	142
035184	SiHF-C-Si-J 12X1 RT	16	423	254
036102	SiHF-C-Si-J 18X1 RT	18,5	558	297,4
031895	SiHF-C-Si-J 24X1 RT	21,8	780	325
034553	SiHF-C-Si-O 02X1,5 RT	11,1	192	88
031951	SiHF-C-Si-J 03X1,5 RT	11,5	212	103,5
032322	SiHF-C-Si-J 04X1,5 RT	12,3	244	132
033730	SiHF-C-Si-J 05X1,5 RT	13,1	285	149
032637	SiHF-C-Si-J 07X1,5 RT	13,9	330	193,4
031806	SiHF-C-Si-J 12X1,5 RT	17,6	534	298
034858	SiHF-C-Si-J 18X1,5 RT	21,3	775	394

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035140	SiHF-C-Si-J 25X1,5 RT	27	870	488,2
034554	SiHF-C-Si-O 02X2,5 RT	12,3	238	123
034764	SiHF-C-Si-J 03X2,5 RT	13,2	289	148
032789	SiHF-C-Si-J 04X2,5 RT	14,1	334	189
032043	SiHF-C-Si-J 05X2,5 RT	15,1	393	214,9
034795	SiHF-C-Si-J 07X2,5 RT	16,2	471	266
032319	SiHF-C-Si-J 04X4 RT	16,4	466	294
033731	SiHF-C-Si-J 05X4 RT	17,8	557	374

DA	outer diameter
G	weight
Cu	copper

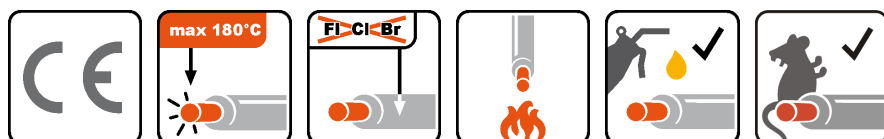
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033482	SiHF-C-Si-J 04X6 RT	18,5	614	449
033732	SiHF-C-Si-J 05X6 RT	20,5	749	563
033744	SiHF-C-Si-J 04X10 RT	24,1	978	759
033745	SiHF-C-Si-J 04X16 RT	26,2	1285	1180
033746	SiHF-C-Si-J 04X25 RT	31,7	1966	1236
036103	SiHF-C-Si-J 04X35 RT	33,8	3150	1564

Armoured silicone-insulated cable SiHF/GLS-P



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	silicone rubber
armour:	steel wire braiding, galvanized
covering:	braided glass fibers
sheathing material:	silicone rubber
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	180 °C
max. operating temperature,	-60 - +180 °C
fixed:	
bending radius, fixed installation:	10 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: For connection of electrical appliances with high mechanical stress at increased environmental temperatures, for example in steel-works, but also at low temperatures. Insulation and sheath are resistant against most oils, acids, lyes and oxydants.



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Table: Technical characteristics SiHF/GLS-P

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
032325	SiHF/GLS-P-O 02X0,75 SD Silikon Panzerleitung	26,7	12	7,9	14,4	84
032326	SiHF/GLS-P-J 03G0,75 SD Silikon Panzerleitung	26,7	12	8,3	21,6	95
032327	SiHF/GLS-P-J 04G0,75 SD Silikon Panzerleitung	26,7	12	9,3	29	116
032328	SiHF/GLS-P-J 05G0,75 SD Silikon Panzerleitung	26,7	12	10,1	36	140
032033	SiHF/GLS-P-J 07G0,75 SD Silikon Panzerleitung	26,7	12	10,7	50	177
032329	SiHF/GLS-P-O 02X1 SD Silikon Panzerleitung	20	15	7,9	19,2	91
032330	SiHF/GLS-P-J 03G1 SD Silikon Panzerleitung	20	15	8,9	29	110
031748	SiHF/GLS-P-J 04G1 SD Silikon Panzerleitung	20	15	9,4	38,4	142
032331	SiHF/GLS-P-J 05G1 SD Silikon Panzerleitung	20	15	10,4	48	155

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
031936	SiHF/GLS-P-J 07G1 SD Silikon Panzerleitung	20	15	11,1	67,2	197,7
032332	SiHF/GLS-P-O 02X1,5 SD Silikon Panzerleitung	13,7	18	9,1	29	119
032333	SiHF/GLS-P-J 03G1,5 SD Silikon Panzerleitung	13,7	18	9,5	43,2	137
032079	SiHF/GLS-P-J 04G1,5 SD Silikon Panzerleitung	13,7	18	10,3	58	170
032334	SiHF/GLS-P-J 05G1,5 SD Silikon Panzerleitung	13,7	18	11,1	72	193
032335	SiHF/GLS-P-J 06G1,5 SD Silikon Panzerleitung	13,7	18	12,1	86,4	227
032292	SiHF/GLS-P-J 07G1,5 SD Silikon Panzerleitung	13,7	18	12,1	101	198
032023	SiHF/GLS-P-J 12G1,5 SD Silikon Panzerleitung	13,7	18	15,5	173	328
032882	SiHF/GLS-P-J 16G1,5 SD Silikon Panzerleitung	13,7	18	17,5	231	392
035712	SiHF/GLS-P-J 18G1,5 SD Silikon Panzerleitung			18,7	259,2	440
032309	SiHF/GLS-P-J 24G1,5 SD Silikon Panzerleitung	13,7	18	21,5	346	600
032336	SiHF/GLS-P-O 02X2,5 SD Silikon Panzerleitung	8,21	26	10,7	48	175
032337	SiHF/GLS-P-J 03G2,5 SD Silikon Panzerleitung	8,21	26	11,2	72	194
031970	SiHF/GLS-P-J 04G2,5 SD Silikon Panzerleitung	8,21	26	12,1	96	278
032338	SiHF/GLS-P-J 05G2,5 SD Silikon Panzerleitung	8,21	26	13,3	120	304
032339	SiHF/GLS-P-J 06G2,5 SD Silikon Panzerleitung	8,21	26	14,3	144	340
032340	SiHF/GLS-P-J 07G2,5 SD Silikon Panzerleitung	8,21	26	14,4	168	368
032341	SiHF/GLS-P-J 02X4 SD Silikon Panzerleitung	4,95	34	12,4	77	236
032342	SiHF/GLS-P-J 03G4 SD Silikon Panzerleitung	4,95	34	13,1	115,2	292
032343	SiHF/GLS-P-J 04G4 SD Silikon Panzerleitung	4,95	34	14,9	154	359
032324	SiHF/GLS-P-J 05G4 SD Silikon Panzerleitung	4,95	34	16,1	192	435
032344	SiHF/GLS-P-J 07G4 SD Silikon Panzerleitung	4,95	34	17,5	269	559
032345	SiHF/GLS-P-O 02X6 SD Silikon Panzerleitung	3,39	44	15,1	115,2	308
032346	SiHF/GLS-P-J 03G6 SD Silikon Panzerleitung	3,39	44	15,9	173	407
032347	SiHF/GLS-P-J 04G6 SD Silikon Panzerleitung	3,39	44	18,1	230,4	508
032348	SiHF/GLS-P-J 05G6 SD Silikon Panzerleitung	3,39	44	19,4	288	615
032921	SiHF/GLS-P-J 07G6 SD Silikon Panzerleitung	3,39	44	20,7	403	768
032349	SiHF/GLS-P-J 04G10 SD Silikon Panzerleitung	1,95	44	22,1	384	925
032350	SiHF/GLS-P-J 04G16 SD Silikon Panzerleitung	1,24	82	26,1	614,4	1235
034669	SiHF/GLS-P-J 04G25 SD Silikon Panzerleitung	0,795	108	30,4	960	1700
032881	SiHF/GLS-P-J 04G35 SD Silikon Panzerleitung	0,565	135		1344	1850

RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

Heat resistant silicone wire H05SJ-K acc. to EN 50525-2-41



conductor material: tinned copper
conductor construction: fine stranded, class 5
insulation: silicon EI2
covering: braided glass fibers
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 90 °C

max. operating temperature, -60 - +180 °C

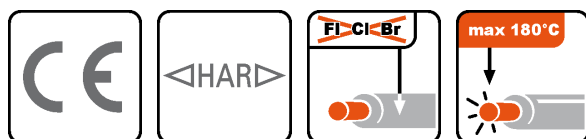
fixed:

nominal voltage U₀: 300 V

nominal voltage U: 500 V

test voltage: 2 kV

Application: For operation at environment temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distributions.



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Table: Technical characteristics

p/n	part name	R _I [Ω/km]	W _I [mm]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
035602	H05SJ-K 01X0,5 WS Silikon/ Glasseide	40,1	0,6	9	2,5	5	11
034702	H05SJ-K 01X0,75 WS Silikon/Glasseide	26,7	0,6	12	2,7	7,2	16
034703	H05SJ-K 01X0,75 SW Silikon/Glasseide	26,7	0,6	12	2,7	7,2	16
035171	H05SJ-K 01X1 WS Silikon/ Glasseide	20	0,7		2,9	9,6	17
031711	H05SJ-K 01X1,5 WS Silikon/ Glasseide	13,7	0,7	24	3,5	14,4	24
031795	H05SJ-K 01X2,5 WS Silikon/ Glasseide	8,21	0,8	32	4,2	24	35,6
035043	H05SJ-K 01X4 BR Silikon/ Glasseide	5,09	1	40	4,7	38,4	53
035044	H05SJ-K 01X4 SW Silikon/ Glasseide	5,09	1	40	4,7	38,4	53
035045	H05SJ-K 01X4 WS Silikon/ Glasseide	5,09	1	40	4,7	38,4	53

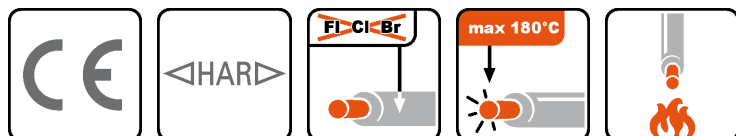
R _I	conductor resistance
W _I	thickness of insulation
I _{bl}	ampacity (in air)
D _A	outer diameter
Cu	copper
G	weight

Silicone insulated cords H05SS-F acc. to EN 50525-2-83



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	silicone rubber
sheathing material:	silicone rubber
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	180 °C
max. operating temperature,	-60 - +180 °C
fixed:	
bending radius, fixed	4 x DA
installation:	
nominal voltage U₀:	300 V
nominal voltage U:	500 V
core identification:	colours acc. VDE 0293 (HD308)

Application: For connection of mobile electrical appliances without mechanical stress at increased environmental temperatures, for example in steel-works or sauna, but also at low temperatures. Insulation and sheath are resistant against most oils, acids, lyes and oxydants. For fixed installation in mechanical protected conduits. For indoor and outdoor use. (EWKF= enhanced performance in terms of tearing, breaking and notch strength)



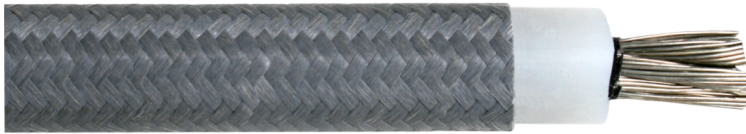
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Table: Technical characteristics H05SS-F

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033448	H05SS-F 02X0,75 EWKF SW	7,4	57	14,4
033449	H05SS-F 03G0,75 EWKF SW	7,2	71	22
033450	H05SS-F 04G0,75 EWKF SW	8,8	90	29
033451	H05SS-F 05G0,75 EWKF SW	9,9	109	36
033452	H05SS-F 02X1 EWKF SW	8	67	19,2
033453	H05SS-F 03G1 EWKF SW	8,5	84	29
033454	H05SS-F 04G1 EWKF SW	9,3	101	38,4
033455	H05SS-F 05G1 EWKF SW	10,3	125	48
033456	H05SS-F 02X1,5 SW	10,8	90	29
032873	H05SS-F 03G1,5 EWKF SW	11,4	114	43,2
033457	H05SS-F 04G1,5 EWKF SW	12,6	137	58

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033458	H05SS-F 05G1,5 EWKF SW	13,7	163	72
035525	S05SS-F 07G1,5 EWKF SW	11,2	187	101
033459	H05SS-F 02X2,5 EWKF SW	12,6	149	48
032878	H05SS-F 03G2,5 EWKF SW	13,4	169	72
033460	H05SS-F 04G2,5 EWKF SW	14,8	209	96
033461	H05SS-F 05G2,5 EWKF SW	16,3	255	120
033463	H05SS-F 04G4 SW	17,2	331	154
033465	H05SS-F 04G6 EWKF SW	19,1	488	230,4

DA	outer diameter
G	weight
Cu	copper



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	silicone rubber
covering:	synthetic yarn, varnished of PUR base
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
UV-resistant:	yes
ozone resistant:	yes
maximum temperature at conductor:	180 °C
max. operating temperature,	-50 - +180 °C
fixed:	
bending radius, fixed installation:	6 x DA

	1,1/1,9 kV	3,3/4,2 kV	13,8/15,0 kV
nominal voltage U₀:	1,1 kV	3,3 kV	13,8 kV
nominal voltage U:	1,9 kV	4,2 kV	15 kV
maximum permitted operating voltage in 3-phase systems:	2,2 kV	6,6 kV	27,6 kV
test voltage:	4 kV	10 kV	31 kV

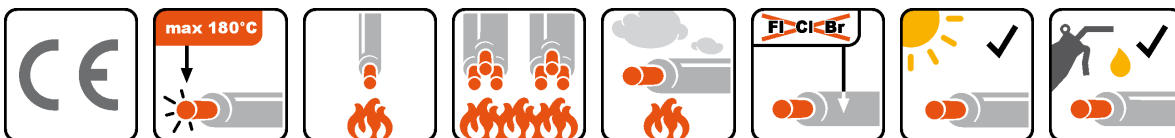
Construction:

- conductor
- separating tape
- insulation
- enamel varnished yarn braiding

Application: Flexible connecting cable for increased ambient temperatures, for example transformers, generators and motors. For installation indoors and in cable ducts for power stations, industry and distribution networks etc. The halogen-free sheath/protection is resistant against transformer oil and fuel oil.

Additional information: The nominal voltage is identified by the color:

- 1,1 kV - yellow
- 3,3 kV - reddish-brown
- 6,6 kV - grey
- 13,8 kV - black



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Table: Technical characteristics 1,1/1,9 kV

p/n	part name	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
036142	2GTL 01X70 1,1/1,9 GE	561	16,6	672	752
036433	2GTL 01X95 1,1/1,9 kV GE	654	19	912	1009
036143	2GTL 01X150 1,1/1,9 GE	951	22,5	1440	1557
036498	2GTL 01X185 1,1/1,9 kV GE	1065	24,8	1776	1903
036144	2GTL 01X240 1,1/1,9 GE	1243	28	2304	2453

Table: Technical characteristics 3,3/4,2 kV

p/n	part name	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
036465	2GTL 01X16 3,3/4,2 kV BR	183	11,3	153,6	236
036434	2GTL 01X185 3,3/4,2 kV BR	1001	25,2	1776	1921

Table: Technical characteristics 13,8/15,0 kV

p/n	part name	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
036264	2GTL 01X10 13,8/15 kV SW	114	14,9	96	277
036326	2GTL 01X16 13,8/15 kV SW	153	15,8	154	346
036435	2GTL 01X25 13,8/15 kV SW	219	17,2	240	454
036331	2GTL 01X35 13,8/15 kV SW	258	18,3	336	565
036436	2GTL 01X70 13,8/15 kV SW	425	22,1	672	957
036437	2GTL 01X95 13,8/15 kV SW	513	24,1	912	1219
036323	2GTL 01X185 13,8/15 kV SW	845	29,3	1776	2123
036460	2GTL 01X240 13,8/15 kV SW	1012	31,9	2304	2665

I _{bl}	ampacity (in air)
D _A	outer diameter
Cu	copper
G	weight

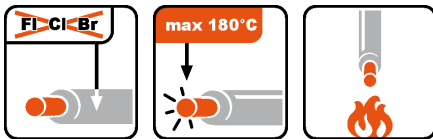
High-Voltage Ignition Cable FZLSi



conductor material: tinned copper
conductor construction: fine stranded, class 5
insulation: silicone rubber
halogen free: DIN EN 50267/IEC 60754
max. operating temperature, -50 - +180 °C
fixed:

test voltage: 20 kV

Application: Ignition wire for use under heavy transient environment temperatures. For fixed or flexible installation in the thermo and process technology, refrigeration and air conditioning technology.



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Table: Technical characteristics FZLSi

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
034909	FZLSi 01X0,5 6 kV Silikon HS-Zuendleitung BL	40,1	5	5	36
032083	FZLSi 01X1 8 kV Silikon HS- Zuendleitung SW	20		9	60
031753	FZLSi 01X1 10 kV Silikon HS-Zuendleitung RT	20	7,2	9,6	60
032084	FZLSi 01X1,5 10 kV Silikon HS-Zuendleitung SW	13,7	8,1	14,4	70,9
032082	FZLSi 01X1,5 12 kV Silikon HS-Zuendleitung RT	13,7	7,6	14,4	71
032294	FZLSi 01X1,5 12 kV Si-GL-Si HS-Zuendleitung BL	13,7	7,8	14,4	95

RI	conductor resistance
DA	outer diameter
Cu	copper
G	weight



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	cross-linked polyolefin-copolymer
sheathing material:	cross-linked polyolefin-copolymer
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
ozone resistant:	yes
maximum temperature at conductor:	120 °C
max. operating temperature, fixed:	-40 - +90 °C
temperature, moved/during installation:	-40 - +90 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	6 x DA
insulation resistance:	1x10exp5 MOhm x km
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
nominal voltage (DC):	0,9/1,8 kV
test voltage:	6,5 kV

Application: For free movable or fixed installation in photovoltaic installations according to EN 60364-7-712. Cable may be used indoor, outdoor, in explosion hazard areas in industry and agriculture. It is treated as short-circuit and earth-fault safe.



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Table: Technical characteristics FACAB SOLAR VE

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
040788	FACAB SOLAR VE 01X4 black	3	5,09	55	4,7	60	38,4	54
040791	FACAB SOLAR VE 01X6 black	3,9	3,39	70	5,3	90	58	73

The current rating is calculated for 60 °C ambient temperature and 120 °C on conductor.

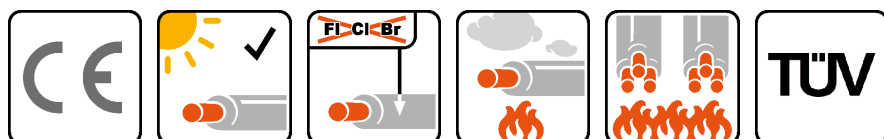
DI	diameter of conductor
RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Solar Cable PV1-F acc. to 2 Pfg 1169/08.07



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	cross-linked polyolefin-copolymer
sheathing material:	cross-linked polyolefin-copolymer
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
halogen free:	DIN EN 50267/IEC 60754
ozone resistant:	yes
maximum temperature at conductor:	126 °C
max. operating temperature, fixed:	-40 - +90 °C
temperature, moved/during installation:	-40 - +90 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	6 x DA
insulation resistance:	1x10exp5 MOhm x km
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
nominal voltage (DC):	0,9/1,8 kV
test voltage:	6,5 kV

Application: For free movable or fixed installation in photovoltaic installations according to EN 60364-7-712. Cable may be used indoor, outdoor, in explosion hazard areas in industry and agriculture. It is treated as short-circuit and earth-fault safe.



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Table: Technical characteristics FACAB SOLAR PV1-F

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
040784	PV1-F 01X2,5 black	2,4	8,21	41	4,6	38	24	36
040726	PV1-F 01X6 black	3,9	3,39	70	5,6	90	58	70
040845	PV1-F 01X35 black	9,2	0,565	223	11,4	525	336	410
040834	PV1-F 01X2,5 blue	2,4	8,21	41	4,6	38	24	36
040835	PV1-F 01X2,5 red	2,4	8,21	41	4,6	38	24	36

The current rating is calculated for 60 °C ambient temperature and 120 °C on conductor.

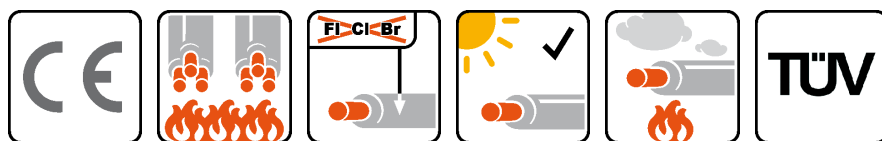
DI	diameter of conductor
RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Solar Cable PV1-F acc. to 2 Pfg 1169/08.07



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	XLPE
sheathing material:	XLPE
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	120 °C
max. operating temperature, fixed:	-40 - +90 °C
temperature, moved/during installation:	-40 - +90 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	6 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
nominal voltage (DC):	0,9/1,8 kV
test voltage:	6,5 kV

Application: For free movable or fixed installation in photovoltaic installations according to EN 60364-7-712. Cable may be used indoor, outdoor, in explosion hazard areas in industry and agriculture. The cable is considered to be short-circuit and earth-fault safe. It fulfills requirements of VDE-AR-E 2283-4.



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Table: Technical characteristics PV1-F

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
040770	FACAB SOLAR PV1-F 01X4 black	3	5,09	55	5,6	60	38,4	61
040771	FACAB SOLAR PV1-F 01X6 black	3,9	3,39	70	6,1	90	58	82
040860	FACAB SOLAR PV1-F 01X10 black	5,1	1,95	98	7,2	150	96	120
040864	FACAB SOLAR PV1-F 01X16 black	6,3	1,24	132	9	240	154	178
040867	FACAB SOLAR PV1-F 01X25 black	7,8	0,795	181	10,7	375	240	273
040870	FACAB SOLAR PV1-F 01X35 black	9,2	0,565	223	11,8	525	336	364
040858	FACAB SOLAR PV1-F 01X4 blue	3	5,09	55	5,6	60	38,4	61

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
040859	FACAB SOLAR PV1-F 01X4 red	3	5,09	55	5,6	60	38,4	61
040856	FACAB SOLAR PV1-F 01X6 blue	3,9	3,39	70	6,1	90	58	82
040857	FACAB SOLAR PV1-F 01X6 red	3,9	3,39	70	6,1	90	58	82
040862	FACAB SOLAR PV1-F 01X10 red	5,1	1,95	98	7,2	150	96	120
040865	FACAB SOLAR PV1-F 01X16 blue	5,5	1,24	132	9	240	154	178
040866	FACAB SOLAR PV1-F 01X16 red	6,3	1,24	132	9	240	154	178
040868	FACAB SOLAR PV1-F 01X25 blue	7,8	0,795	181	10,7	375	240	273
040869	FACAB SOLAR PV1-F 01X25 red	6,4	0,795	181	10,7	375	240	273
040871	FACAB SOLAR PV1-F 01X35 blue	9,2	0,565	223	11,8	525	336	364
040872	FACAB SOLAR PV1-F 01X35 red	7,5	0,565	223	11,8	525	336	364

The current rating is calculated for 60 °C ambient temperature and 120 °C on conductor.

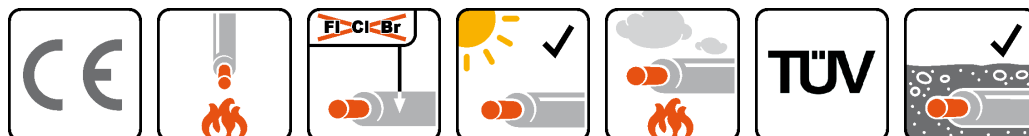
DI	diameter of conductor
RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Solar Cable PV1-F DB

acc. to 2 Pfg 1169/08.07

conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	cross-linked polyolefin
sheathing material:	cross-linked polyolefin
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	120 °C
max. operating temperature, fixed:	-40 - +90 °C
temperature, moved/during installation:	-40 - +90 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	6 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
nominal voltage (DC):	0,9/1,8 kV
test voltage:	6,5 kV

Application: For free movable or fixed installation in photovoltaic installations according to EN 60364-7-712. Cable may be used indoor, outdoor, in earth (please note the laying instruction), in explosion hazard areas in industry and agriculture. The cable is considered to be short-circuit and earth-fault safe. It fulfills requirements of VDE-AR-E 2283-4.



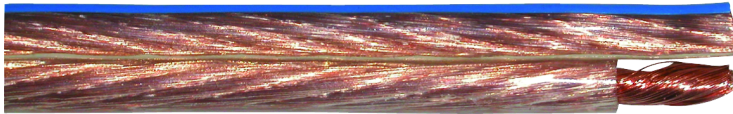
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Table: Technical characteristics

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{ZV} [N]	Cu [kg/km]	G [kg]
040966	PV1-F 01X4 black	3	5,09	55	5,7	60	38,4	60
040968	PV1-F 01X4 blue	3	5,09	55	5,7	60	38,4	60
040969	PV1-F 01X4 red	3	5,09	55	5,7	60	38,4	60
040967	PV1-F 01X6 black	3,9	3,39	70	6,4	82	58	80
040970	PV1-F 01X6 blue	3,9	3,39	70	6,4	82	58	80
040971	PV1-F 01X6 red	3,9	3,39	70	6,4	82	58	80
040972	PV1-F 01X10 black	5,1	1,95	98	7,3	150	96	120
040973	PV1-F 01X10 blue	5,1	1,95	98	7,3	150	96	120
040974	PV1-F 01X10 red	5,1	1,95	98	7,3	150	96	120
040886	FACAB SOLAR PV1-F 01X50 black	9	0,393	276	13,3	750	480	511
040887	FACAB SOLAR PV1-F 01X70 black	10,8	0,277	347	15,2	1050	672	700
040888	FACAB SOLAR PV1-F 01X95 black	12,6	0,21	416	17	1425	912	930
040889	FACAB SOLAR PV1-F 01X120 black	14,3	0,164	488	18,7	1800	1152	1175

p/n	part name	D _I [mm]	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
040890	FACAB SOLAR PV1-F 01X150 black	15,9	0,132	566	20,7	2250	1440	1485
040891	FACAB SOLAR PV1-F 01X185 black	17,5	0,108	644	22,3	2775	1776	1825
040892	FACAB SOLAR PV1-F 01X240 black	20,5	0,0817	775	25,5	3600	2304	2340
040938	PV1-F 01X300 black	27	0,0654		30		2880	2953

DI	diameter of conductor
RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight



conductor material:	Oxygen Free Copper (OFC)
conductor construction:	fine stranded class 6
insulation:	PVC
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-10 - +70 °C
installation:	
insulation resistance:	20 MOhm x km
nominal voltage U₀:	50 V
nominal voltage U:	75 V
test voltage:	1 kV

Application: This is a high-quality speaker cable for home application as well as for use in cinemas, theaters and other public buildings. The special construction of copper conductor guarantees long-life flexibility of the cable.

Additional information: The cross-sections are designated by means of a coloured stripe on the wire: 0.75 sqmm: black 1.5 sqmm: red 2.5 sqmm: green 4 sqmm: blue 6 sqmm: violet 10 sqmm: yellow



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Table: Technical characteristics YFAZ

p/n	part name	R _l [Ω/km]	L _b [mH/km]	R _{bv} [mm]	b [mm]	h [mm]	E _v [kWh/m]	Cu [kg/km]	G [kg]
031861	YFAZ 02X0,75/0,20 mm stripe: red sheath: black	26	0,57	12	4,9	2,35	0,0423	14	23
032903	Lautsprecherkabel YFAZ 02X0,75/0,20 mm Laengsstreifen: schwarz Mantel: transparent	26	0,57	12	4,9	2,35	0,0423	14,4	23
031807	YFAZ 02X1,5/0,15 mm stripe: red sheath: transparent	13,3	0,55	13	5,8	2,5	0,0621	30	42
031763	YFAZ 02X2,5/0,15 mm stripe: green sheath: transparent	7,98	0,53	18	7,4	3,6	0,096	50	60
031757	YFAZ 02X4,0/0,15 mm stripe: blue sheath: transparent	4,95	0,51	25	9,7	4,5	0,164	80	120
031764	YFAZ 02X6,0/0,15 mm stripe: violet sheath: transparent	3,3	0,5	30	12,5	6,1	0,216	120	141
031765	YFAZ 02X10/0,15 mm stripe: yellow sheath: transparent	1,95	0,49	35	15	7	0,329	200	252

RI	conductor resistance
Lb	specific inductivity
Rbv	bending radius, fixed installation
b	width of (flat) cable
h	hight of (flat) cable
Ev	combustion energy
Cu	copper
G	weight

FACAB "Light and Sound" Cable LAS-JZ



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
sheathing material:	PVC
colour of outer sheath:	black
maximum temperature at conductor:	70 °C
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	4 x DA
insulation resistance:	2000 MOhm x km
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV
core identification:	gn-ye + numbers

Application: Flexible cord for application in light and sound systems for connection of lamps or speakers. For installation in dry and wet rooms as well as outdoors.



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Table: Technical characteristics LAS-JZ

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
032915	Light and Sound Cable-JZ 18X1,5 SW	13,3	16	15,3	259,2	456
035143	Light and Sound Cable-JZ 13X2,5 SW	7,98	20	16,9	312	550
032916	Light and Sound Cable-JZ 14X2,5 SW	7,98	20	16,8	336	588

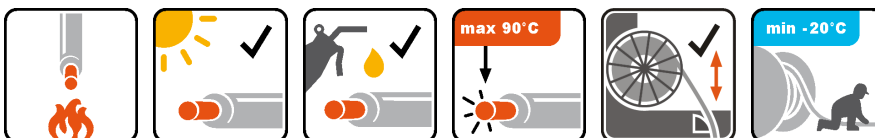
R _I	conductor resistance
I _{bl}	ampacity (in air)
D _A	outer diameter
Cu	copper
G	weight

Trailing cable (N)TSCGEWÖU MT PLUS acc. to VDE 0250-813



conductor material:	tinned copper	
conductor construction:	fine stranded, class 5	
insulation:	rubber 3GI3	
control of electrical field:	inner and outer semiconducting rubber layer	
central filling element:	semiconductive compound on polyester support	
arrangement of protective conductors:	split into three elements in outer interstices	
covering of strand:	semiconductive tape	
inner sheath:	rubber GM1b	
torsion protecting element:	polyester braid	
sheathing material:	rubber (CR) 5GM3	
colour of outer sheath:	red	
flame retardant:	VDE 0482-332-1-2/IEC 60332-1	
UV-resistant:	yes	
oil resistant:	EN 60811-2-1	
ozone resistant:	yes	
maximum temperature at conductor:	90 °C	
max. operating temperature, fixed:	-40 - +80 °C	
temperature, moved/during installation:	-20 - +80 °C	
torsion:	+/- 25 °/m	
bending radius, fixed installation:	6 x DA	
bending radius, moved application:	15 x DA	
working speed:	120 m/min.	
nominal voltage U₀:	6/10 kV	12/20 kV
nominal voltage U:	6 kV	12 kV
maximum permitted operating voltage in 3-phase systems:	10 kV	20 kV
test voltage:	12 kV	24 kV
test voltage:	17 kV	29 kV

Application: Flexible medium voltage reeling cable for high and extreme mechanical stresses, e.g. torsional stress, deflection into different planes and high reeling speed. Also usable for opencast mining.



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Table: Technical characteristics 6/10 kV

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
051049	03X25 + 03X25/3	0,78	131	3,58	41,7	1500	960	2390
051095	03X35 + 03X25/3	0,554	162	5,01	46,2	2100	1248	2970
051106	03X50 + 03X25/3	0,386	202	7,15	49,5	3000	1680	3640
051107	03X70 + 03X35/3	0,272	250	10	53,4	4200	2352	4640
051108	03X95 + 03X50/3	0,206	301	13,6	59,7	5700	3216	5800
051109	03X120 + 03X70/3	0,161	352	17,16	63,6	7200	4128	7040
051110	03X150 + 03X70/3	0,129	404	21,45	70,5	9000	4992	8570
051038	03X185 + 03X95/3	0,106	462	26,46	74,2	11100	6240	10080

The current rating are calculated for 30 °C ambient temperature and standard utility load flow.

Table: Technical characteristics 12/20 kV

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
051116	03X25 + 3X25/3	0,78	139	3,58	50,2	1500	960	3200
051088	03X35 + 3X25/3	0,554	172	5,01	51,8	2100	1248	3690
051045	03X50 + 3X25/3	0,386	215	7,15	56,8	3000	1680	4400
051111	03X70 + 3X35/3	0,272	265	10	61	4200	2352	5540
051089	03X95 + 3X50/3	0,206	319	13,6	65	5700	3216	6660
051258	03X120 + 3X70/3	0,164	371	14,64	70,4	7200	4128	8200

The current rating are calculated for 30 °C ambient temperature and standard utility load flow.

R _l	conductor resistance
I _{bl}	ampacity (in air)
I _k	short circuit current (1 s)
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Flexible medium voltage cable NTMCWÖU acc. to VDE 0250-813

conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	rubber 3GI3
control of electrical field:	inner and outer semiconducting rubber layer
screen:	copper wires
sheathing material:	rubber (CR) 5GM3
colour of outer sheath:	red
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
UV-resistant:	yes
oil resistant:	EN 60811-2-1
ozone resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-25 - +60 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA

	6/10 kV	12/20 kV
nominal voltage U₀:	6 V	12 V
nominal voltage U:	10 V	20 V
maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV

Application: Singlecore cables are used in short lengths, e.g. for connection of switchgear cubicles and for connection of mobile transformer substations where small bending radius is required. The outer semiconducting layer may be removed without heating.



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Table: Technical characteristics 6/10 kV

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	D _A [mm]	Cu [kg/km]	G [kg]
051153	(N)TMCWÖEU 01X35/16 6/10 kV RT	0,565	228	5	25,6	490	960
051150	(N)TMCWÖEU 01X50/16 6/10 kV RT	0,393	283	7,2	27,8	634	1190
051363	(N)TMCWÖEU 01X70/16 6/10 kV RT	0,277	349	10	28,8	854	1430
051450	(N)TMCWÖEU 01X95/16 6/10 kV RT	0,21	421	13,6	29,9	1094	1685
051333	(N)TMCWÖEU 01X240/25 6/10 kV RT	0,0817	741	34,3	39,2	2628	3395

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	D _A [mm]	Cu [kg/km]	G [kg]
051490	(N)TMCWOEU 01X300/25 6/10 kV RT	0,065	827	42,9	43	3163	4280

Table: Technical characteristics 12/20 kV

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	D _A [mm]	Cu [kg/km]	G [kg]
051121	(N)TMCWOEU 01X35/16 12/20 kV RT	0,565	240	5	30,6	490	1200
051353	(N)TMCWOEU 01X50/16 12/20 kV RT	0,393	300	7,2	29,8	662	1410
051364	(N)TMCWOEU 01X70/16 12/20 kV RT	0,277	371	10	34,1	854	1785
051120	(N)TMCWOEU 01X95/16 12/20 kV RT	0,21	446	13,6	36	1094	2190
051361	(N)TMCWOEU 01X120/16 12/20 kV RT	0,164	520	17,2	37	1334	2324
051399	(N)TMCWOEU 01X150/25 12/20 kV RT	0,132	592	21,5	39,4	1723	2856
051487	(N)TMCWOEU 01X240/25 12/20 kV RT	0,0817	742	34,3	43,7	2418	3801

R _l	conductor resistance
I _{bl}	ampacity (in air)
I _k	short circuit current (1 s)
D _A	outer diameter
Cu	copper
G	weight

Flexible medium voltage cable NTMCGCWÖU acc. to VDE 0250-813 (with ref. to)

conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	rubber 3GI3
control of electrical field:	inner and outer semiconducting rubber layer
arrangement of protective conductors:	copper wire spinning on each core
sheathing material:	rubber (CR) 5GM3
colour of outer sheath:	red
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
UV-resistant:	yes
oil resistant:	EN 60811-2-1
ozone resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-25 - +60 °C
torsion:	+/- 25 °/m
bending radius, fixed installation:	6 x DA
bending radius, moved application:	15 x DA

	6/10 kV	12/20 kV
nominal voltage U₀:	6 kV	12 kV
nominal voltage U:	10 kV	20 kV
maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV
test voltage:	17 kV	29 kV

Application: Singlecore cables are used in short lengths, e.g. for connection of switchgear cubicles and for connection of mobile transformer substations. When laying and during operation care should be taken to protect them against excessive mechanical stress. The outer semiconducting layer must be heated before removing.



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Table: Technical characteristics 6/10 kV

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
051052	NTMCGCWÖEU 01X95/16 KON 6/10 kV RT	0,21	409	13,59	30	1425	1066	1660
051286	NTMCGCWÖEU 01X120/16 KON 6/10 kV RT	0,164	479	17,16	32,6	1800	1452	2010
051346	NTMCGCWÖEU 01X150/25 KON 6/10 kV RT	0,132	549	21,45	34,4	2250	1740	2400

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
051302	NTMCGCWOEU 01X185/25 KON 6/10 kV RT	0,108	627	26,46	38,1	2775	2078	2840
051268	NTMCGCWOEU 01X240/25 KON 6/10 kV RT	0,0817	744	34,32	40	3600	2640	3430
051491	(N)TMCGCWOEU 01X300/25 KON 6/10 kV RT	0,065	825	42,9	41,3		3120	3690
051169	NTMCGEWOEU 01X240 6/10 kV RT	0,0817	744	34,32	39,4	3600	2304	3100
051103	NTMCGEWOEU 01X300 6/10 kV RT	0,065	825	42,9	31,3		2880	3750

Table: Technical characteristics 12/20 kV

p/n	part name	R _l [Ω/km]	I _{bl} [A]	I _k [kA]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
051119	NTMCGCWOEU 12/20 kV 01X35/16 KON RT	0,565	234	5,01	29,1	525	576	1230
051277	NTMCGCWOEU 12/20 kV 01X50/16 KON RT	0,393	294	7,15	30,6	750	712	1430
051446	NTMCGCWOEU 01X70/16 KON 12/20 kV RT	0,277	360	10,01	33,4	1050	912	1760
051135	NTMCGCWOEU 12/20 kV 01X95/16 KON RT	0,21	434	13,59	35,2	1425	1145	2030
051300	NTMCGCWOEU 01X150/25 KON 12/20 kV RT	0,132	582	21,45	39,6	2250	1740	2820
051266	NTMCGCWOEU 01X185/25 KON 12/20 kV RT	0,108	664	26,46	41,2	2775	2083	3180
051292	NTMCGCWOEU 01X240/25 KON 12/20 kV RT	0,0817	782	34,32	44,2	3600	2640	3810
051475	(N)TMCGCWOEU 01X300/25 KON 12/20 kV RT	0,065	840	42,9	47		3309	4417

R _l	conductor resistance
I _{bl}	ampacity (in air)
I _k	short circuit current (1 s)
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

PUR insulated cable H05BQ-F acc. to EN 50525-2-21

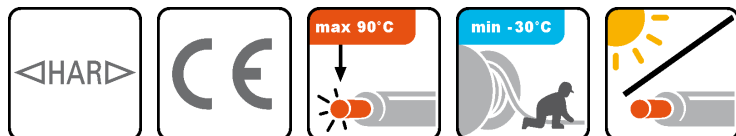
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conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: rubber (EPR) EI4
sheathing material: polyurethan
flame retardant: no
maximum temperature at conductor: 90 °C
max. operating temperature, -40 - +80 °C
fixed:

nominal voltage U_o: 300 V
nominal voltage U: 500 V
core identification: colours acc. VDE 0293 (HD308)

Application: In dry and wet environment as well as in free air for medium mechanical stress. For connection of electrical tools on building sites or in cold environments.



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Table: Technical characteristics H05BQ-F

p/n	part name	R _I [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
050320	H05BQ-F 02X0,75 OR	26	6	77	26	6,4	14,4	48,5
051270	H05BQ-F 03X0,75 OR	26	6	80	27	7,1	21,6	60
050321	H05BQ-F 03G0,75 OR	26	6	85	28	7,1	21,6	60
050322	H05BQ-F 04G0,75 OR	26	6	91	30	7,6	29	76
050323	H05BQ-F 05G0,75 OR	26	6	102	34	8,5	36	98
050324	H05BQ-F 02X1 OR	19,5	10	84	28	7	19,2	57
050325	H05BQ-F 03G1 OR	19,5	10	89	30	7,4	28,8	71
050326	H05BQ-F 04G1 OR	19,5	10	97	32	8,1	38,4	92
050327	H05BQ-F 05G1 OR	19,5	10	108	36	9	48	115,5

R _I	conductor resistance
I _{bl}	ampacity (in air)
R _{bb}	bending radius, moved application
R _{bv}	bending radius, fixed installation
D _A	outer diameter
Cu	copper
G	weight

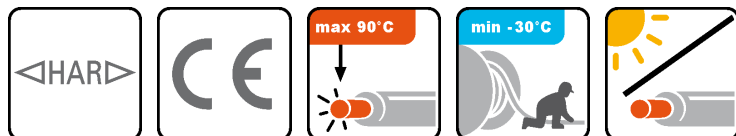
PUR insulated cable H07BQ-F acc. to EN 50525-2-21



conductor material: copper, bare or tinned
conductor construction: fine stranded, class 5
insulation: rubber (EPR) EI4
sheathing material: polyurethan
flame retardant: no
maximum temperature at conductor: 90 °C
max. operating temperature, -40 - +80 °C
fixed:

	<i>H07BQ-F (without filler)</i>	<i>X07BQ-F (Voll-PUR)</i>	<i>X07BQ-F</i>
nominal voltage U₀:	450 V	450 V	450 V
nominal voltage U:	750 V	750 V	750 V
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers	colours acc. VDE 0293 (HD308)

Application: In dry and wet environment as well as in free air for medium mechanical stress. For connection of electrical tools on building sites or in cold environments.



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Table: Technical characteristics H07BQ-F (without filler)

p/n	part name	R _I [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
051202	H07BQ-F 02X1,5 OR	13,3	16	100	34	8,4	28,8	88
051184	H07BQ-F 03G1,5 OR	13,3	16	107	36	8,9	43,2	106
051203	H07BQ-F 04G1,5 OR	13,3	18	119	40	9,9	57,6	136
051204	H07BQ-F 05G1,5 OR	13,3	18	130	43	10,8	72	170
051205	H07BQ-F 02X2,5 OR	7,98	20	120	40	10	48	128
051206	H07BQ-F 03G2,5 OR	7,98	20	127	42	10,6	72	158
051207	H07BQ-F 04G2,5 OR	7,98	26	141	47	11,8	96	206
051208	H07BQ-F 05G2,5 OR	7,98	26	157	52	13,1	120	258
051209	H07BQ-F 03G4 OR	4,95	25	155	52	12,9	115,2	228
051210	H07BQ-F 04G4 OR	4,95	34	174	58	14,5	154	294
051211	H07BQ-F 05G4 OR	4,95	34	192	64	16	192	345
051212	H07BQ-F 04G6 OR	3,39	44	194	65	16,2	230,4	436
051213	H07BQ-F 05G6 OR	3,39	44	214	71	17,9	288	518
051214	H07BQ-F 04G10 OR	1,91	61	259	86	21,6	384	722
051215	H07BQ-F 05G10 OR	1,91	61	278	93	23,2	480	864
051216	H07BQ-F 04G16 OR	1,21	82	290	97	24,2	614,4	1103
051217	H07BQ-F 05G16 OR	1,21	82	322	108	26,9	768	1382

Table: Technical characteristics X07BQ-F (Voll-PUR)

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
051218	X07BQ-F 07G1,5 OR Voll-PUR	13,3	18	158	53	13,2	101	267
051219	X07BQ-F 12G1,5 OR Voll-PUR	13,3	18	192	64	16	172,8	340
051220	X07BQ-F 07G2,5 OR Voll-PUR	7,98	26	182	61	15,2	168	352

Table: Technical characteristics X07BQ-F

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050420	X07BQ-F 05G25 OR	0,78	108	420	140	35	1875	1200	2400
050409	X07BQ-F 05G35 OR	0,554	135	468	156	39	2625	1680	2500
050437	X07BQ-F 05G50 OR	0,386	168	558	186	46,5	3750	2400	3290
050421	X07BQ-F 05G70 OR	0,272	207	636	212	53	5250	3360	5556
050413	X07BQ-F 05G95 OR	0,206	250	720	240	60	7125	4560	7274

R _l	conductor resistance
I _{bl}	ampacity (in air)
R _{bb}	bending radius, moved application
R _{bv}	bending radius, fixed installation
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Heat resistant cord for lamps Livz6YYw



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	FEP
sheathing material:	special PVC-compound
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	200 °C
max. operating temperature,	-20 - +90 °C
fixed:	
bending radius, fixed installation:	7,5 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV

Application: Cable with wide application area in electronics, nuclear engineering, aviation, marine and military, heating devices and lighting. The insulation is flame retardant, mechanical robust and heat resistant.

Additional information: core identification:

- 2 - 2 x transparent
- 3 - 2 x transparent, 1 transparent with green stripe
- 4 - 3 x transparent, 1 transparent with green stripe
- 5 - 4 x transparent, 1 transparent with green stripe



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Table: Technical characteristics Livz6YYw

p/n	part name	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
032904	LiVz6Y6Y Flach 02X0,75 TR	15		22,5	14,4	56
032609	LiVz6YYw Rund 03G0,75 TR	15	5	33,7	22	66
032905	LiVz6YYw Rund 04G0,75 TR	15	5,6	45	29	80
032906	LiVz6YYw Rund 05G0,75 TR	15	6,2	56,2	36	91
032907	LiVz6YYw Rund 07G0,75 TR	15	7	78,7	50,4	124
035738	LiVz6YYw Rund 03G1,5 TR	24	6,4	67,5	43,2	71
035980	LiVz6YYw Rund 05G1,5 TR	24	8	112,5	72	119
032984	LiVz6YYw Rund 04G1,5 TR mit Tragorgan 0,9 mm 422 N	24	7	422	58	144
035027	LiVz6YYw Rund 05G1,5 TR mit Tragorgan 1,3 mm 630 N	24	7,7	630	72	158

I _{bl}	ampacity (in air)
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight

Heat resistant pendant cord with steel cord H05V2V2D3-F (NYPLYw) acc. to EN 50525-2-11

conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: PVC TI3
self supporting element: steel
sheathing material: PVC YM3
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 90 °C
max. operating temperature, fixed: 5 - 90 °C

nominal voltage U₀: 300 V
nominal voltage U: 500 V
test voltage: 2 kV
core identification: green-yellow, blue, brown, black

Application: As drawbars as well as for fixed installation in lights (not permitted for the connection of local variable loads). Breaking load of the strength member 250 N.



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Table: Technical characteristics H05V2V2D3-F (NYPLYw)

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
032870	H05V2V2D3-F (NYPLYw-J) 04G0,75 SW Pendelschnur 90C	26	12	9	29	72
032871	H05V2V2D3-F (NYPLYw-J) 04G0,75 WS Pendelschnur 90C	26	12	9	29	72

R _I	conductor resistance
I _{bl}	ampacity (in air)
D _A	outer diameter
Cu	copper
G	weight

Small voltage cable Li2GYw (SiHYw PV/P)

conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: silicone rubber
sheathing material: PVC
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 180 °C
max. operating temperature, fixed: -40 - +90 °C
temperature, moved/during installation: 5 - 90 °C
bending radius, fixed installation: 7,5 x DA

nominal voltage U: 24 V
core identification: red, blue

Application: As connecting cable between transformer and halogen-lamps in low voltage lightning systems.



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Table: Technical characteristics Li2GYw (SiHYw PV/P)

p/n	part name	R _l [Ω/km]	R _{bv} [mm]	b [mm]	h [mm]	Cu [kg/km]	G [kg]
031847	HALOFLEX SiHYw PV/P 02X1,5 max. 24 V SW	13,3	27	5,8	3,5	28,8	44
031848	HALOFLEX SiHYw PV/P 02X2,5 max. 24 V SW	7,98	30	6,8	4	48	66
031849	HALOFLEX SiHYw PV/P 02X4 max. 24 V SW	4,95	31	7,8	4,4	76,8	96

RI	conductor resistance
Rbv	bending radius, fixed installation
b	width of (flat) cable
h	height of (flat) cable
Cu	copper
G	weight

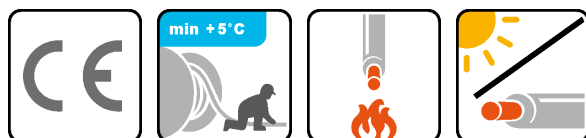
Tube light cable NYL acc. to VDE 0283-1



conductor material: tinned copper
conductor construction: fine stranded, class 5
insulation: PVC
flame retardant: VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor: 70 °C
max. operating temperature, fixed: -40 - +70 °C
temperature, moved/during installation: -5 - +70 °C
bending radius, fixed installation: 4 x DA

nominal voltage U₀: 5 kV
nominal voltage U: 10 kV

Application: PVC fluorescent tube cables are suitable for protected laying on plaster, in lighting housings and relief fittings and in cable ducts of metal to VDE 128.



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Table: Technical characteristics NYL

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
032902	NYL 01X1,5 5/10 kV GE	12,1	17,5	7,5	14,4	59

RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

LSOH wires with increased temperature range FACAB THERM 145

conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	cross-linked polyolefin-copolymer
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
ozone resistant:	yes
maximum temperature at conductor:	145 °C
max. operating temperature, fixed:	-55 - +145 °C
temperature, moved/during installation:	-35 - +120 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	6 x DA

Application: This electron beam cross-linked halogen-free insulated wire is used for the connection of lights, heating units and machines in environments with increased temperatures. In addition to a long working life, the high permissible conductor temperature also guarantees increased current carrying capacity in comparison to conventional cables. Not for installation on ladders or trays.

Additional information: Nominal voltage:

up to 1,0 sqmm 300/500 V

from 1,5 sqmm 450/750 V (600/1000 V for fixed and protected installation)

Test voltage: 3500 V

Ship and offshore approvals (on request):

- Germanischer Lloyd (GL)
- Lloyd's Register (LR)
- BUREAU VERITAS (BV)
- DET Norske Veritas (DNV)



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Table: Technical characteristics FACAB THERM 145

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040447	FACAB THERM 145 01X0,5 SW	36,7	13	1,9	5	8
040722	FACAB THERM 145 01X0,5 WS	36,7	13	1,9	5	8
040400	FACAB THERM 145 01X0,75 GE	24,8	16	2,2	7,2	11
040401	FACAB THERM 145 01X0,75 GN	24,8	16	2,2	7,2	11

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040690	FACAB THERM 145 01X0,75 GG	24,8	16	2,2	7,2	11
040402	FACAB THERM 145 01X0,75 RT	24,8	16	2,2	7,2	11
040403	FACAB THERM 145 01X0,75 WS	24,8	16	2,2	7,2	11
040415	FACAB THERM 145 01X0,75 GR	24,8	16	2,2	7,2	11
040416	FACAB THERM 145 01X0,75 OR	24,8	16	2,2	7,2	11
040417	FACAB THERM 145 01X0,75 SW	24,8	16	2,2	7,2	11
040418	FACAB THERM 145 01X0,75 VL	24,8	16	2,2	7,2	11
040419	FACAB THERM 145 01X0,75 DB	24,8	16	2,2	7,2	11
040437	FACAB THERM 145 01X0,75 BR	24,8	16	2,2	7,2	11
040448	FACAB THERM 145 01X1 SW	18,2	21	2,5	10	14
040691	FACAB THERM 145 01X1 GG	18,2	21	2,5	10	14
040404	FACAB THERM 145 01X1,5 BR	13,7	26	3	14,4	21
040423	FACAB THERM 145 01X1,5 DB	13,7	26	3	14,4	21
040405	FACAB THERM 145 01X1,5 GE	13,7	26	3	14,4	21
040406	FACAB THERM 145 01X1,5 GN	13,7	26	3	14,4	21
040692	FACAB THERM 145 01X1,5 GG	12,2	26	3	14,4	20
040407	FACAB THERM 145 01X1,5 GR	13,7	26	3	14,4	21
040408	FACAB THERM 145 01X1,5 HB	13,7	26	3	14,4	21
040409	FACAB THERM 145 01X1,5 RT	13,7	26	3	14,4	21
040410	FACAB THERM 145 01X1,5 VL	13,7	26	3	14,4	21
040412	FACAB THERM 145 01X1,5 WS	13,7	26	3	14,4	21
040413	FACAB THERM 145 01X1,5 SW	13,7	26	3	14,4	21
040420	FACAB THERM 145 01X1,5 OR	13,7	26	3	14,4	21
040424	FACAB THERM 145 01X2,5 BR	7,98	34	3,7	24	31
040425	FACAB THERM 145 01X2,5 DB	7,98	34	3,7	24	31
040664	FACAB THERM 145 01X2,5 GG	7,98	34	3,7	24	32
040689	FACAB THERM 145 01X2,5 GN	7,98	34	3,7	24	32
040426	FACAB THERM 145 01X2,5 RT	7,98	34	3,7	24	31
040414	FACAB THERM 145 01X2,5 SW	7,98	34	3,7	24	32
040436	FACAB THERM 145 01X2,5 WS	7,98	34	3,7	24	32
040449	FACAB THERM 145 01X4 SW	4,95	45	4,3	38,4	48
040852	FACAB THERM 145 01X4 GG			4,3	38,4	48

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040685	FACAB THERM 145 01X6 GG	3,11	59	6,2	58	69
040435	FACAB THERM 145 01X6 SW	3,11	59	6,2	58	76
040430	FACAB THERM 145 01X10 SW	1,84	80	6,7	96	120
040953	FACAB THERM 145 01X10 GG			6,7	96	120
040686	FACAB THERM 145 01X16 GG	1,16	106	8,4	154	181
040441	FACAB THERM 145 01X16 SW	1,16	106	8,4	154	181
040893	FACAB THERM 145 01X16 HB			8,4	154	181
040442	FACAB THERM 145 01X25 SW	0,734	140	10,2	240	265
040687	FACAB THERM 145 01X35 GG	0,529	174	11,7	336	369
040443	FACAB THERM 145 01X35 SW	0,529	174	11,7	336	386
040389	FACAB THERM 145 01X50 SW	0,391	213	13,7	480	580
040952	FACAB THERM 145 01X50 GG			13,7	480	580
040688	FACAB THERM 145 01X70 GG	0,27	273	15,8	672	734
040444	FACAB THERM 145 01X70 SW	0,27	273	15,8	672	765
040348	FACAB THERM 145 01X95 SW	0,195	334	17,3	912	1040
040422	FACAB THERM 145 01X120 SW	0,154	390	20,2	1152	1273
040446	FACAB THERM 145 01X150 SW	0,126	452	22,1	1440	1582
040838	FACAB THERM 145 01X150 GG	0,126	452	22,1	1440	1582
040340	FACAB THERM 145 01X185 SW	0,1	519	23,6	1776	2100
040445	FACAB THERM 145 01X240 SW	0,0762	619	27,7	2304	2526

RI	conductor resistance
I _{bl}	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

LSOH wires with increased temperature range FACAB THERM 145

conductor material:	tinned copper
conductor construction:	fine stranded, class 5
insulation:	cross-linked polyolefin-copolymer
sheathing material:	cross-linked polyolefin-copolymer
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
ozone resistant:	yes
maximum temperature at conductor:	145 °C
max. operating temperature, fixed:	-55 - +145 °C
temperature, moved/during installation:	-35 - +120 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	8 x DA

Application: This electron beam cross-linked halogen-free insulated wire is used for the connection of lights, heating units and machines in environments with increased temperatures. In addition to a long working life, the high permissible conductor temperature also guarantees increased current carrying capacity in comparison to conventional cables.

Additional information: Nominal voltage:

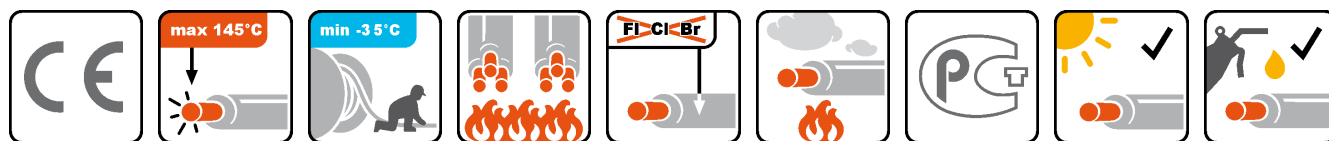
up to 1,0 sqmm 300/500 V

from 1,5 sqmm 450/750 V (600/1000 V for fixed and protected installation)

Test voltage: 3500 V

Ship and offshore approvals (on request):

- Germanischer Lloyd (GL)
- Lloyd's Register (LR)
- BUREAU VERITAS (BV)
- DET Norske Veritas (DNV)



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Table: Technical characteristics FACAB THERM 145

p/n	part name	R _I [Ω/km]	I _{BI} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040458	FACAB THERM 145 02X0,5 SW	36,7	13	5,3	10	39
040459	FACAB THERM 145 03G0,5 SW	36,7	13	5,7	14,4	47
040460	FACAB THERM 145 04G0,5 SW	36,7	13	6,2	19,2	51

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040461	FACAB THERM 145 05G0,5 SW	36,7	13	7	24	63
040462	FACAB THERM 145 06G0,5 SW	36,7	13	7,4	29	74
040463	FACAB THERM 145 07G0,5 SW	36,7	13	8,1	34	85
040464	FACAB THERM 145 08G0,5 SW	36,7	13	9	38,4	102
040465	FACAB THERM 145 10G0,5 SW	36,7	13	10	48	123
040466	FACAB THERM 145 12G0,5 SW	36,7	13	10	58	135
040467	FACAB THERM 145 14G0,5 SW	36,7	13	10,5	67,2	153
040468	FACAB THERM 145 16G0,5 SW	36,7	13	11,3	77	176
040469	FACAB THERM 145 19G0,5 SW	36,7	13	12,4	91,2	213
040470	FACAB THERM 145 21G0,5 SW	36,7	13	13	101	234
040471	FACAB THERM 145 24G0,5 SW	36,7	13	14	115,2	263
040476	FACAB THERM 145 25G0,5 SW	36,7	13	14	120	269
040472	FACAB THERM 145 27G0,5 SW	36,7	13	14	130	280
040473	FACAB THERM 145 30G0,5 SW	36,7	13	14,6	144	311
040474	FACAB THERM 145 33G0,5 SW	36,7	13	15,4	158,4	343
040475	FACAB THERM 145 37G0,5 SW	36,7	13	16,5	178	392
040453	FACAB THERM 145 02X0,75 SW	24,8	16	6	14,4	40
040477	FACAB THERM 145 03G0,75 SW	24,8	16	6,4	22	53
040397	FACAB THERM 145 04G0,75 SW	24,8	16	7	29	69
040478	FACAB THERM 145 05G0,75 SW	24,8	16	7,9	36	85
040479	FACAB THERM 145 06G0,75 SW	24,8	16	8,5	43,2	101
040480	FACAB THERM 145 07G0,75 SW	24,8	16	9,1	50,4	115
040481	FACAB THERM 145 08G0,75 SW	24,8	16	10,3	58	140
040482	FACAB THERM 145 10G0,75 SW	24,8	16	11,4	72	167
040483	FACAB THERM 145 12G0,75 SW	24,8	16	11,4	86,4	183
040484	FACAB THERM 145 14G0,75 SW	24,8	16	12,1	101	212
040485	FACAB THERM 145 16G0,75 SW	24,8	16	12,8	115,2	239
040486	FACAB THERM 145 19G0,75 SW	24,8	16	14,1	137	290
040487	FACAB THERM 145 21G0,75 SW	24,8	16	14,9	151,2	323
040488	FACAB THERM 145 24G0,75 SW	24,8	16	16,1	173	364
040489	FACAB THERM 145 25G0,75 SW	24,8	16	16,1	180	371
040490	FACAB THERM 145 27G0,75 SW	24,8	16	16,1	194,4	387

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040491	FACAB THERM 145 30G0,75 SW	24,8	16	16,8	216	429
040492	FACAB THERM 145 33G0,75 SW	24,8	16	17,5	238	468
040493	FACAB THERM 145 37G0,75 SW	24,8	16	19,1	266,4	550
040494	FACAB THERM 145 02X1 SW	18,2	21	6,6	19,2	50
040495	FACAB THERM 145 03G1 SW	18,2	21	7	29	65
040496	FACAB THERM 145 04G1 SW	18,2	21	7,7	38,4	85
040497	FACAB THERM 145 05G1 SW	18,2	21	8,4	48	105
040498	FACAB THERM 145 06G1 SW	18,2	21	9,2	58	127
040499	FACAB THERM 145 07G1 SW	18,2	21	10,2	67,2	153
040500	FACAB THERM 145 08G1 SW	18,2	21	11,3	77	187
040501	FACAB THERM 145 10G1 SW	18,2	21	12,5	96	214
040502	FACAB THERM 145 12G1 SW	18,2	21	12,5	115,2	230
040503	FACAB THERM 145 14G1 SW	18,2	21	13,2	134,4	266
040504	FACAB THERM 145 16G1 SW	18,2	21	13,9	154	301
040505	FACAB THERM 145 19G1 SW	18,2	21	15,7	182,4	377
040506	FACAB THERM 145 21G1 SW	18,2	21	16,5	202	419
040507	FACAB THERM 145 24G1 SW	18,2	21	17,7	230,4	464
040508	FACAB THERM 145 25G1 SW	18,2	21	17,7	240	472
040509	FACAB THERM 145 27G1 SW	18,2	21	17,7	259,2	488
040511	FACAB THERM 145 33G1 SW	18,2	21	19,4	317	605
040512	FACAB THERM 145 37G1 SW	18,2	21	21,2	355,2	690
040510	FACAB THERM 145 30G1 SW	18,2	21	18,3	288	536
040513	FACAB THERM 145 02X1,5 SW	13,7	26	7,8	29	69
040388	FACAB THERM 145 04G1,5 SW	13,7	26	9,1	58	120
040350	FACAB THERM 145 05G1,5 SW	13,7	26	10,1	72	156
040514	FACAB THERM 145 06G1,5 SW	13,7	26	11,2	86,4	187
040344	FACAB THERM 145 07G1,5 SW	13,7	26	12,1	101	224
040515	FACAB THERM 145 08G1,5 SW	13,7	26	13,5	115,2	263
040516	FACAB THERM 145 10G1,5 SW	13,7	26	15	144	310
040517	FACAB THERM 145 12G1,5 SW	13,7	26	15	173	335
040518	FACAB THERM 145 14G1,5 SW	13,7	26	15,9	202	383
040519	FACAB THERM 145 16G1,5 SW	13,7	26	16,8	230,4	443

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040520	FACAB THERM 145 19G1,5 SW	13,7	26	19	274	554
040521	FACAB THERM 145 21G1,5 SW	13,7	26	20	302,4	614
040522	FACAB THERM 145 24G1,5 SW	13,7	26	21,7	346	741
040523	FACAB THERM 145 25G1,5 SW	13,7	26	21,7	360	701
040524	FACAB THERM 145 27G1,5 SW	13,7	26	21,7	389	723
040525	FACAB THERM 145 30G1,5 SW	13,7	26	22,5	432	796
040526	FACAB THERM 145 33G1,5 SW	13,7	26	23,5	475,2	880
040527	FACAB THERM 145 37G1,5 SW	13,7	26	25,5	533	1026
040528	FACAB THERM 145 02X2,5 SW	7,98	34	9,1	48	99
040384	FACAB THERM 145 03G2,5 SW	7,98	34	9,9	72	140
040386	FACAB THERM 145 04G2,5 SW	7,98	34	10,9	96	183
040376	FACAB THERM 145 05G2,5 SW	7,98	34	12,2	120	235
040529	FACAB THERM 145 06G2,5 SW	7,98	34	13,3	144	234
040530	FACAB THERM 145 07G2,5 SW	7,98	34	14,6	169	334
040531	FACAB THERM 145 08G2,5 SW	7,98	34	16,2	192	397
040532	FACAB THERM 145 10G2,5 SW	7,98	34	17,9	240	460
040533	FACAB THERM 145 12G2,5 SW	7,98	34	17,9	289	500
040534	FACAB THERM 145 14G2,5 SW	7,98	34	19,2	336	593
040535	FACAB THERM 145 16G2,5 SW	7,98	34	20,4	384	675
040536	FACAB THERM 145 19G2,5 SW	7,98	34	22,8	456	835
040537	FACAB THERM 145 21G2,5 SW	7,98	34	24,2	504	939
040538	FACAB THERM 145 24G2,5 SW	7,98	34	26,1	576	1047
040539	FACAB THERM 145 25G2,5 SW	7,98	34	26,1	600	1067
040540	FACAB THERM 145 27G2,5 SW	7,98	34	26,1	648	1107
040541	FACAB THERM 145 30G2,5 SW	7,98	34	27	720	1219
040542	FACAB THERM 145 33G2,5 SW	7,98	34	28,4	792	1349
040543	FACAB THERM 145 37G2,5 SW			30,8	888	1565
040544	FACAB THERM 145 02X4 SW	4,95	45	10,7	77	154
040545	FACAB THERM 145 03G4 SW	4,95	45	11,5	115,2	191
040546	FACAB THERM 145 04G4 SW	4,95	45	12,8	154	257
040547	FACAB THERM 145 05G4 SW	4,95	45	14,2	192	323
040548	FACAB THERM 145 06G4 SW	4,95	45	15,4	230,4	398

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040549	FACAB THERM 145 07G4 SW	4,95	45	17	269	462
040550	FACAB THERM 145 08G4 SW	4,95	45	18,2	307,2	553
040551	FACAB THERM 145 10G4 SW	4,95	45	20,6	384	663
040552	FACAB THERM 145 12G4 SW	4,95	45	20,6	461	725
040553	FACAB THERM 145 14G4 SW	4,95	45	21	538	797
040554	FACAB THERM 145 02X6 SW	3,11	59	12,1	115,2	210,7
040555	FACAB THERM 145 03G6 SW	3,11	59	12,9	173	278
040556	FACAB THERM 145 04G6 SW	3,11	59	14,4	230,4	363
040557	FACAB THERM 145 05G6 SW	3,11	59	15,8	288	461
040558	FACAB THERM 145 06G6 SW	3,11	59	17,4	345,6	604
040559	FACAB THERM 145 07G6 SW	3,11	59	19,4	403,2	642,7
040560	FACAB THERM 145 02X10 SW	1,84	80	15,4	192	351
040561	FACAB THERM 145 03G10 SW	1,84	80	16,5	288	475
040562	FACAB THERM 145 04G10 SW	1,84	80	18,6	384	630
040563	FACAB THERM 145 05G10 SW	1,84	80	20,4	480	782
040564	FACAB THERM 145 06G10 SW	1,84	80	22,6	576	914
040565	FACAB THERM 145 07G10 SW	1,84	80	24,7	672	1092
040566	FACAB THERM 145 02X16 SW	1,16	106	17,5	307,2	495
040567	FACAB THERM 145 03G16 SW	1,16	106	19,1	461	691
040568	FACAB THERM 145 04G16 SW	1,16	106	21,2	614,4	905
040569	FACAB THERM 145 05G16 SW	1,16	106	23,6	768	1129
040570	FACAB THERM 145 06G16 SW	1,16	106	25,9	922	1327
040571	FACAB THERM 145 07G16 SW	1,16	106	28,6	1075	1590
040572	FACAB THERM 145 02X25 SW	0,734	140	22,7	480	833
040573	FACAB THERM 145 03G25 SW	0,734	140	24,4	720	1139
040574	FACAB THERM 145 04G25 SW	0,734	140	27,3	960	1489
040575	FACAB THERM 145 05G25 SW	0,734	140	30,4	1200	1863
040576	FACAB THERM 145 06G25 SW	0,734	140	33,6	1440	2275
040577	FACAB THERM 145 07G25 SW	0,734	140	37	1680	2633
040578	FACAB THERM 145 02X35 SW	0,529	174	25,1	672	1104
040579	FACAB THERM 145 03G35 SW	0,529	174	27	1008	1513
040580	FACAB THERM 145 04G35 SW	0,529	174	30,2	1344	1992

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
040581	FACAB THERM 145 05G35 SW	0,529	174	33,4	1680	2488
040582	FACAB THERM 145 02X50 SW	0,391	213	30,3	960	1573
040583	FACAB THERM 145 03G50 SW	0,391	213	32,5	1440	2154
040584	FACAB THERM 145 04G50 SW	0,391	213	36,6	1920	2819
040585	FACAB THERM 145 05G50 SW	0,391	213	40,3	2400	3505
040586	FACAB THERM 145 02X70 SW	0,27	273	34,7	1344	2157
040587	FACAB THERM 145 03G70 SW	0,27	273	37,2	2016	2946
040588	FACAB THERM 145 04G70 SW	0,27	273	41,8	2688	3888
040589	FACAB THERM 145 05G70 SW	0,27	273	46,6	3360	4864
040590	FACAB THERM 145 02X95 SW	0,195	334	39,5	1824	2763
040591	FACAB THERM 145 03G95 SW	0,195	334	42,6	2736	3835
040592	FACAB THERM 145 04G95 SW	0,195	334	47,7	3648	5052
040593	FACAB THERM 145 05G95 SW	0,195	334	52,9	4560	6307
040341	FACAB THERM 145-OZ 04X4 OR	4,95	45	12,8	220	317

RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

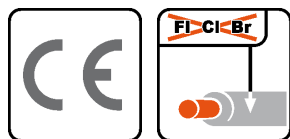
Heat resistant cable

FACAB THERM 750



conductor material:	nickel
conductor construction:	fine stranded, class 5
insulation:	glass fiber covering + glass fiber braiding, silicone impregnated
max. operating temperature,	-60 - +750 °C
fixed:	
bending radius, fixed	18 x DA
installation:	
nominal voltage U:	400 V
test voltage:	2 kV
core identification:	nature color

Application: Thanks to its extremely large usage temperature range, this cable is particularly suitable for use in aerospace applications, in power stations and in chemicals and metallurgy businesses. The conductor resistances varying from copper conductors must be observed!



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Table: Technical characteristics

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	G [kg]
071178	FACAB THERM 750 01X1,5 black id-thread	60	15,8	3,2	24
071179	FACAB THERM 750 01X2,5 red id-thread	36	22,1	3,6	36
071180	FACAB THERM 750 01X4 orange id-thread	22,5	30	4,3	53
071181	FACAB THERM 750 01X6 brown id-thread	15	39,1	5,4	80
071182	FACAB THERM 750 01X10 blue id-thread	9	50	6,4	123

R _I	conductor resistance
I _{bl}	ampacity (in air)
D _A	outer diameter
G	weight

conductor material: bare copper
conductor construction: solid, class 1
insulation: PVC
sheathing material: PVC
flame retardant: VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, -5 - +70 °C
fixed:
bending radius, fixed 7,5 x DA
installation:

operating capacity: 300 nF/km
nominal voltage U: 100 V

Application: For fixed installation on or under plaster. Core identification: bk, bu, br, ye, gn, vio, wh, tr, gr



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Table: Technical characteristics YR

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031841	YR 02X0,8 WS	4,2	24	9,6
031656	YR 03X0,8 WS	4,8	32	14,4
031424	YR 04X0,8 WS	5,2	47	19,2
032934	YR 05X0,8 WS	5,8	46	24
032080	YR 06X0,8 WS	6,1	52	28,8
032124	YR 08X0,8 WS	6,3	70	38
031842	YR 10X0,8 WS	7,4	92	48

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031438	YR 12X0,8 WS	7,7	106	58
032935	YR 14X0,8 WS	8,2	107	67
032138	YR 16X0,8 WS	8,4	124	77
032936	YR 20X0,8 WS	9,4	160	96
031435	YR 24X0,8 WS	10,4	220	115

DA	outer diameter
G	weight
Cu	copper

Telecommunication cable J-YY ... Bd acc. to VDE 0815



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	PVC TI1
stranding unit:	quads
stranding:	bunches
sheathing material:	PVC TM1
colour of outer sheath:	gray RAL 7032
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +50 °C
bending radius, fixed installation:	7,5 x DA
insulation resistance:	100 MOhm x km
coupling K1:	300 pF
operating capacity:	100 nF/km
loop resistance:	130 Ohm/km
nominal voltage U:	300 V
core identification:	colours + rings
attenuation at 800 Hz:	1,7

Application: For connection of telecommunication units inside of buildings in dry and wet rooms, also outdoors if the cable is protected against direct sun irradiation. Not for use in power circuits!

Additional information: Stranding: 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers. Core identification: The star-quads of each bunch are colored as follows: red, green, grey, yellow, white. The cores within one star-quad are marked by rings: a-wire 1: without ring, b-wire 1: one ring, wide spaced, a-wire 2: double ring, wide spaced, b-wire 2: double ring, narrow spaced.



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Table: Technical characteristics I-YY

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100039	J-YY 02X2X0,6 GR	5	30	11
100040	J-YY 04X2X0,6 GR	6,5	50	23
100041	J-YY 06X2X0,6 GR	7	70	34
100042	J-YY 10X2X0,6 GR	8,5	100	57
100149	J-YY 16X2X0,6 GR	9,5	160	90
100150	J-YY 20X2X0,6 GR	11	180	113
100151	J-YY 24X2X0,6 GR	12	220	136
100152	J-YY 30X2X0,6 GR	13,5	280	170

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100153	J-YY 40X2X0,6 GR	15	360	226
100080	J-YY 50X2X0,6 GR	16,5	440	283
100154	J-YY 60X2X0,6 GR	18,5	520	339
100155	J-YY 80X2X0,6 GR	20	700	452
100066	J-YY 100X2X0,6 GR	22,5	840	565

DA	outer diameter
G	weight
Cu	copper

Telecommunication cable J-Y(St)Y ... Lg acc. to VDE 0815



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	PVC TI1
stranding unit:	pair
stranding:	layers
screen over strand:	foil
drain wire:	yes
sheathing material:	PVC TM1
colour of outer sheath:	gray RAL 7032
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	
bending radius, fixed	7,5 x DA
installation:	
insulation resistance:	100 MOhm x km
coupling K1:	300 pF
operating capacity:	100 nF/km
nominal voltage U:	300 V
core identification:	colours acc. VDE 0815

Application: For connection of telecommunication units inside of buildings in dry and wet rooms, also outdoors if the cable is protected against direct sun irradiation. Not for use in power circuits!

Additional information: Stranding: cores twisted into pairs (2-pairs cable stranded as star-quadr), pairs stranded in layers. Core identification: two-pair cable: red, black, white, yellow. More than two-pairs are in continuous sequence: white-blue, white-yellow, white-green, white-brown, white-black. In the 1-st pair of each layer there is one red core red in place of the white one.

Austria: F-YAY
Russia: TCB



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Table: Technical characteristics I-Y(St)Y .. Lg

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100001	J-Y(St)Y 01X2X0,6 GR	5	30	7
100003	J-Y(St)Y 02X2X0,6 GR	5,5	35	13
100005	J-Y(St)Y 03X2X0,6 GR	6,3	50	18
100007	J-Y(St)Y 04X2X0,6 GR	6,8	55	24
100009	J-Y(St)Y 05X2X0,6 GR	7,2	65	30
100011	J-Y(St)Y 06X2X0,6 GR	7,5	75	35
100013	J-Y(St)Y 08X2X0,6 GR	8	90	46
100017	J-Y(St)Y 10X2X0,6 GR	9	110	58
100019	J-Y(St)Y 12X2X0,6 GR	9,5	130	71
100021	J-Y(St)Y 14X2X0,6 GR	10	150	82
100023	J-Y(St)Y 16X2X0,6 GR	10,5	155	93
100025	J-Y(St)Y 20X2X0,6 GR	11	200	116
100027	J-Y(St)Y 24X2X0,6 GR	11,5	235	139
100029	J-Y(St)Y 30X2X0,6 GR	13	275	172

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100031	J-Y(St)Y 40X2X0,6 GR	15	350	229
100033	J-Y(St)Y 50X2X0,6 GR	17	445	286
100035	J-Y(St)Y 60X2X0,6 GR	18	520	342
100037	J-Y(St)Y 80X2X0,6 GR	20,5	675	455
100015	J-Y(St)Y 100X2X0,6 GR	23	870	568
100436	J-Y(St)Y 150X2X0,6 GR		1180	850
100002	J-Y(St)Y 01X2X0,8 GR	6	40	11
100004	J-Y(St)Y 02X2X0,8 GR	7	55	21
100006	J-Y(St)Y 03X2X0,8 GR	8,5	80	31
100008	J-Y(St)Y 04X2X0,8 GR	9	95	41
100010	J-Y(St)Y 05X2X0,8 GR	9,5	115	52
100012	J-Y(St)Y 06X2X0,8 GR	10,5	130	62
100014	J-Y(St)Y 08X2X0,8 GR	11,5	160	82
100018	J-Y(St)Y 10X2X0,8 GR	13	205	102

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100020	J-Y(St)Y 12X2X0,8 GR	14	240	123
100022	J-Y(St)Y 14X2X0,8 GR	14,5	280	144
100024	J-Y(St)Y 16X2X0,8 GR	15,5	300	164
100026	J-Y(St)Y 20X2X0,8 GR	16,5	380	204
100028	J-Y(St)Y 24X2X0,8 GR	19	445	244
100030	J-Y(St)Y 30X2X0,8 GR	20	540	304
100032	J-Y(St)Y 40X2X0,8 GR	22,5	710	405
100034	J-Y(St)Y 50X2X0,8 GR	25,5	875	506
100036	J-Y(St)Y 60X2X0,8 GR	28	1085	606
100038	J-Y(St)Y 80X2X0,8 GR	31	1440	807
100016	J-Y(St)Y 100X2X0,8 GR	32	1790	1008

DA	outer diameter
G	weight
Cu	copper



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	PVC TI1
stranding unit:	pair
stranding:	layers
screen over strand:	foil
drain wire:	yes
sheathing material:	PVC TM1
colour of outer sheath:	red
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +50 °C
bending radius, fixed installation:	7,6 x DA
insulation resistance:	100 MOhm x km
operating capacity:	100 nF/km
nominal voltage U:	300 V
core identification:	colours acc. VDE 0815

Application: For connection of telecommunication units inside of buildings in dry and wet rooms, also outdoors if the cable is protected against direct sun irradiation. The special imprint identifies the cable as fire signalisation cable.

Additional information: Stranding: cores twisted into pairs (2-pairs cable stranded as star-quad), pairs stranded in layers. Core identification: two-pair cable: red, black, white, yellow. More than two-pairs are in continuous sequence: white-blue, white-yellow, white-green, white-brown, white-black. In the 1-st pair of each layer there is one red core in place of the white one.



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Table: Technical characteristics Fire signalisation cable

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100947	Brandmeldekabel 01X2X0,8 RT	5,5	38	11
100056	Brandmeldekabel 02X2X0,8 RT	7	55	21
100057	Brandmeldekabel 04X2X0,8 RT	9	95	41
100948	Brandmeldekabel 05X2X0,8 RT	9,4	114	52
100058	Brandmeldekabel 06X2X0,8 RT	10,5	130	62

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100059	Brandmeldekabel 10X2X0,8 RT	13	205	102
100060	Brandmeldekabel 20X2X0,8 RT	16,5	380	204
100145	Brandmeldekabel 30X2X0,8 RT	20	570	304
100146	Brandmeldekabel 40X2X0,8 RT	22	710	405
100147	Brandmeldekabel 50X2X0,8 RT	25,5	875	506

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100148	Brandmeldekabel 80X2X0,8 RT	31	1440	807
100144	Brandmeldekabel 100X2X0,8 RT	32	1780	1008

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100076	Brandmeldekabel 04X2X0,8 GR		100	41



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	polyethylene
stranding unit:	quads
stranding:	bunches
screen over strand:	foil
drain wire:	yes
sheathing material:	PVC
colour of outer sheath:	gray RAL 7032
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +50 °C
bending radius, fixed installation:	7,5 x DA
impedance:	100 Ohm
insulation resistance:	5000 MOhm x km
coupling K1:	400 pF
coupling K9-12:	100 pF
operating capacity:	52 nF/km
nominal voltage U:	300 V

Application: For connection of computer units, ISDN-sub-units and -devices and for data transmission. Suitable for transmission of analog- and digital signals up to 16 Mbit/s. For installation in dry and wet rooms.

Additional information: Stranding: 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers. Core identification: The star-quads of each bunch are continuous: red, green, grey, yellow, white. The cores within one star-quad are marked by rings: a-wire 1: without ring b-wire 1: one ring, wide spaced a-wire 2: double ring, wide spaced b-wire 2: double ring, narrow spaced



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Table: Technical characteristics J-2Y(St)Y St III Bd

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100210	J-2Y(St)Y St III Bd 02X2X0,6 GR	5,5	42	13	100214	J-2Y(St)Y St III Bd 20X2X0,6 GR	12	217	116
100211	J-2Y(St)Y St III Bd 04X2X0,6 GR	7,5	66	24	100215	J-2Y(St)Y St III Bd 30X2X0,6 GR	14,5	283	172
100212	J-2Y(St)Y St III Bd 06X2X0,6 GR	8,5	80	35	100216	J-2Y(St)Y St III Bd 40X2X0,6 GR	16	370	229
100213	J-2Y(St)Y St III Bd 10X2X0,6 GR	9	115	58	100217	J-2Y(St)Y St III Bd 50X2X0,6 GR	18,5	434	286

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100218	J-2Y(St)Y St III Bd 60X2X0,6 GR	20	526	342

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100220	J-2Y(St)Y St III Bd 100X2X0,6 GR	25	861	568

DA	outer diameter
G	weight
Cu	copper

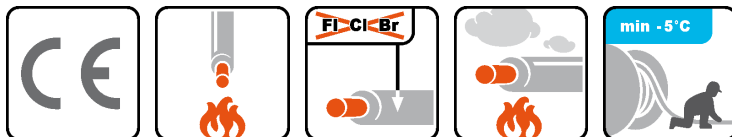
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conductor material:	bare copper
insulation:	polyethylene
stranding:	bunched star-quads
screen:	foil
drain wire:	yes
sheathing material:	FRNC-compound HM2
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
smoke density:	DIN EN 61034/IEC 61034
max. operating temperature,	-5 - +50 °C
fixed:	
insulation resistance:	5000 MOhm x km
transfer impedance:	200 Ohm/km
operating capacity:	45 nF/km
nominal voltage U:	225 V
core identification:	colours + rings

Application: Halogen free and flame retardant ISDN-System cable, for connection of telecommunication an IT-components up to 16 Mbit/s (cat. 3). For installation indoor, in and under plaster, in dry as well as wet rooms.

Additional information: Cross-talk: > 30 dB (@ 5-10 MHz)
Attenuation: < 6,5 dB/100 m (@ 10 MHz)



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Table: Technical characteristics J-2Y(St)H St III Bd

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100454	J-2Y(St)H St III Bd 02X2X0,6 GR	4,9	13	42
100390	J-2Y(St)H St III Bd 04X2X0,6 GR	6,9	25	60
100471	J-2Y(St)H St III Bd 06X2X0,6 GR	7	35	85
100470	J-2Y(St)H St III Bd 10X2X0,6 GR	9,2	58	115
100521	J-2Y(St)H St III Bd 20X2X0,6 GR	12	116	217
100536	J-2Y(St)H St III Bd 30X2X0,6 GR	14,5	172	300
100537	J-2Y(St)H St III Bd 40X2X0,6 GR	16,2	229	370
100522	J-2Y(St)H St III Bd 50X2X0,6 GR	18,2	286	434
100523	J-2Y(St)H St III Bd 60X2X0,6 GR	19,6	342	526

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100538	J-2Y(St)H St III Bd 80X2X0,6 GR	22,1	455	680
100520	J-2Y(St)H St III Bd 100X2X0,6 GR	24,7	568	861

DA	outer diameter
Cu	copper
G	weight

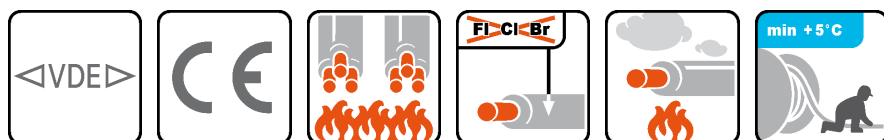
FRNC communication cable J-H(St)H acc. to VDE 0815



conductor material:	bare copper
insulation:	FRNC compound HI1
screen:	Plastic coated Al-foil + solid copper drain wire
sheathing material:	FRNC-compound HM1
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature,	-5 - +50 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
coupling K1:	300 pF
operating capacity:	120 nF/km
nominal voltage U:	300 V

Application: Low Smoke Zero Halogen communication cable. For connection of communication units indoors in wet and dry rooms on and under plaster. For outdoor installation the cable must be protected against direct sun irradiation.

Additional information: Stranding: 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers
Core identification: The star-quads of each bunch are continuous: red, green, grey, yellow, white
The cores within one star-quad are marked by rings: a-wire 1: without ring b-wire 1: one ring, wide spaced a-wire 2: double ring, wide spaced b-wire 2: double ring, narrow spaced



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Table: Technical characteristics J-H(ST)H

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100294	J-H(St)H...BD 02X2X0,6 GR	5,5	49	14
100295	J-H(St)H...BD 04X2X0,6 GR	6,8	92	25
100296	J-H(St)H...BD 06X2X0,6 GR	7,5	101	37
100297	J-H(St)H...BD 10X2X0,6 GR	9	146	59
100298	J-H(St)H...BD 20X2X0,6 GR	11	310	116
100299	J-H(St)H...BD 30X2X0,6 GR	13	352	172
100300	J-H(St)H...BD 40X2X0,6 GR	15	464	229
100301	J-H(St)H...BD 50X2X0,6 GR	17	573	286
100302	J-H(St)H...BD 60X2X0,6 GR	18	661	342
100303	J-H(St)H...BD 80X2X0,6 GR	20,5	876	455
100304	J-H(St)H...BD 100X2X0,6 GR	23	1056	568
100305	J-H(St)H...BD 02X2X0,8 GR	7	69	25

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100306	J-H(St)H...BD 04X2X0,8 GR	9	136	45
100307	J-H(St)H...BD 06X2X0,8 GR	10,5	152	65
100308	J-H(St)H...BD 10X2X0,8 GR	13	230	106
100309	J-H(St)H...BD 20X2X0,8 GR	16,5	508	206
100310	J-H(St)H...BD 30X2X0,8 GR	20	599	307
100311	J-H(St)H...BD 40X2X0,8 GR	22,5	787	407
100312	J-H(St)H...BD 50X2X0,8 GR	25,5	973	508
100314	J-H(St)H...BD 60X2X0,8 GR	28	1121	608
100313	J-H(St)H...BD 80X2X0,8 GR	31	1476	809
100315	J-H(St)H...Bd 100X2X0,8 GR	32	1805	1010

DA	outer diameter
G	weight
Cu	copper

Fire signalisation cable J-H(St)H BMK acc. to VDE 0815 (with ref. to)

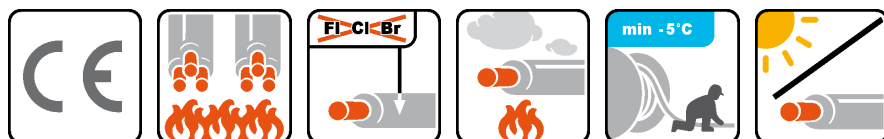


conductor material:	bare copper
insulation:	FRNC compound HI1
screen:	foil
drain wire:	yes
sheathing material:	FRNC-compound HM1
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature,	-5 - +50 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	

operating capacity:	120 nF/km
nominal voltage U:	300 V
core identification:	colours + rings

Application: Low Smoke Zero Halogen communication cable with improved flame retardance. For connection of communication units indoors in wet and dry rooms on and under plaster. The special imprint identifies the cable as fire signalisation cable.

Additional information: Stranding: 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers
Core identification: The star-quads of each bunch are continuous: red, green, grey, yellow, white
The cores within one star-quad are marked by rings: a-wire 1: without ring b-wire 1: one ring, wide spaced a-wire 2: double ring, wide spaced b-wire 2: double ring, narrow spaced



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Table: Technical characteristics J-H(St)H BMK

p/n	part name	DA [mm]	G [kg]	Cu [kg/km]	p/n	part name	DA [mm]	G [kg]	Cu [kg/km]
100354	J-H(St)H...Bd 02X2X0,8 Brandmeldekabel RT	7	69	25	100360	J-H(St)H...Bd 40X2X0,8 Brandmeldekabel RT	22,5	787	407
100355	J-H(St)H...Bd 04X2X0,8 Brandmeldekabel RT	9	136	45	100361	J-H(St)H...Bd 50X2X0,8 Brandmeldekabel RT	25,5	973	508
100356	J-H(St)H...Bd 06X2X0,8 Brandmeldekabel RT	10,5	152	65	100362	J-H(St)H...Bd 60X2X0,8 Brandmeldekabel RT	28	1121	608
100357	J-H(St)H...Bd 10X2X0,8 Brandmeldekabel RT	13	230	106	100363	J-H(St)H...Bd 80X2X0,8 Brandmeldekabel RT	31	1476	809
100358	J-H(St)H...Bd 20X2X0,8 Brandmeldekabel RT	16,5	508	206	100364	J-H(St)H...Bd 100X2X0,8 Brandmeldekabel RT	32	1805	1010
100359	J-H(St)H...Bd 30X2X0,8 Brandmeldekabel RT	20	599	307					

DA	outer diameter
G	weight
Cu	copper

Subscriber line cable A-2Y(L)2Y St III Bd acc. to VDE 0816



conductor material:	bare copper
conductor construction:	solid
insulation:	polyethylene 2YI1
stranding unit:	quads
stranding:	bunched star-quads
screen over strand:	foil
sheathing material:	polyethylene 2YM1
bonded sheath:	yes
transverse water-tight:	yes
longitudinally water-tight:	no
colour of outer sheath:	black
flame retardant:	no
UV-resistant:	yes
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-20 - +50 °C
bending radius, fixed installation:	7,5 x DA

	A-2Y(L)2Y nx2x0,6	A-2Y(L)2Y nx2x0,8
operating capacity:	52 nF/km	55 nF/km
loop resistance:	130 Ohm/km	73,2 Ohm/km
nominal voltage U:	225 V	225 V
test voltage:	2 kV	2 kV
core identification:	colours + rings	colours + rings
attenuation at 800 Hz:	1,04	0,78

Application: For fixed installation in buildings, in free air, in ground and in water.

Additional information: Stranding: 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers
Core identification: The star-quads of each bunch are continuous: red, green, grey, yellow, white
The cores within one star-quad are marked by rings: a-wire 1: without ring b-wire 1: one ring, wide spaced a-wire 2: double ring, wide spaced b-wire 2: double ring, narrow spaced



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Table: Technical characteristics A-2Y(L)2Y nx2x0,6

p/n	part name	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
110080	A-2Y(L)2Y 02X2X0,6 SW	9	300	11	80
110075	A-2Y(L)2Y 04X2X0,6 SW	11	350	23	120
110025	A-2Y(L)2Y 06X2X0,6 SW	12	400	34	130
110029	A-2Y(L)2Y 10X2X0,6 SW	13,5	500	57	155
110035	A-2Y(L)2Y 20X2X0,6 SW	16	700	113	240

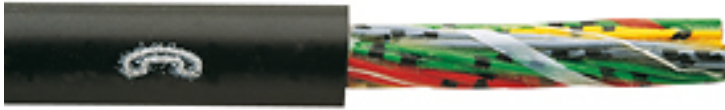
p/n	part name	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
110037	A-2Y(L)2Y 30X2X0,6 SW	18	950	170	310
110039	A-2Y(L)2Y 40X2X0,6 SW	20	1200	226	385
110041	A-2Y(L)2Y 50X2X0,6 SW	21	1500	283	460
110043	A-2Y(L)2Y 70X2X0,6 SW	25	2000	396	605
110027	A-2Y(L)2Y 100X2X0,6 SW	28	2800	565	870
110031	A-2Y(L)2Y 150X2X0,6 SW	33	4100	848	1345
110033	A-2Y(L)2Y 200X2X0,6 SW	38	5200	1131	1755
110101	A-2Y(L)2Y 250X2X0,6 SW	41,5	6400	1414	2140
110083	A-2Y(L)2Y 300X2X0,6 SW	44,5	7400	1696	2525
110068	A-2Y(L)2Y 500X2X0,6 SW	56	11500	2827	4050

Table: Technical characteristics A-2Y(L)2Y nx2x0,8

p/n	part name	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
110076	A-2Y(L)2Y 02X2X0,8 SW	9	310	20	90
110024	A-2Y(L)2Y 04X2X0,8 SW	12	380	40	140
110026	A-2Y(L)2Y 06X2X0,8 SW	13	480	60	160
110093	A-2Y(L)2Y 08X2X0,8 SW	14		81	180
110030	A-2Y(L)2Y 10X2X0,8 SW	15	600	101	205
110092	A-2Y(L)2Y 12X2X0,8 SW	15,2		123	250
110036	A-2Y(L)2Y 20X2X0,8 SW	18,5	1000	201	355
110038	A-2Y(L)2Y 30X2X0,8 SW	21	1500	302	475
110040	A-2Y(L)2Y 40X2X0,8 SW	23	2000	402	600
110042	A-2Y(L)2Y 50X2X0,8 SW	26	2500	503	745
110044	A-2Y(L)2Y 70X2X0,8 SW	29	3400	704	1100
110028	A-2Y(L)2Y 100X2X0,8 SW	34	4600	1005	1425
110032	A-2Y(L)2Y 150X2X0,8 SW	40	6600	1508	2200
110034	A-2Y(L)2Y 200X2X0,8 SW	44	8500	2011	2900

DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

Subscriber line cable A-2YF(L)2Y St III Bd acc. to VDE 0816



conductor material:	bare copper
conductor construction:	solid
insulation:	polyethylene 2YI1
stranding unit:	quads
screen over stranding unit:	foil
stranding:	bunched star-quads
sheathing material:	polyethylene 2YM1
bonded sheath:	yes
transverse water-tight:	yes
longitudinally water-tight:	yes
colour of outer sheath:	black
flame retardant:	no
UV-resistant:	yes
max. operating temperature,	70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	

	<i>A-2YF(L)2Y nx2x0,6</i>	<i>A-2YF(L)2Y nx2x0,8</i>
operating capacity:	52 nF/km	55 nF/km
loop resistance:	130 Ohm/km	73,2 Ohm/km
nominal voltage U:	225 V	225 V
test voltage:	2 kV	kV
core identification:	colours + rings	colours + rings
attenuation at 800 Hz:	1,04	0,78

Application: For fixed installation in buildings, in free air, in ground and in water.

Additional information: Stranding: 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers.

petrol jelly filling - plastic foil separator - laminated sheath = aluminum tape 0,2 mm on both sides polymer laminated and welded with a PE-sheath

Core identification: The star-quads of each bunch are continuous: red, green, grey, yellow, white

The cores within one star-quad are marked by rings:

a-wire 1: without ring

b-wire 1: one ring, wide spaced

a-wire 2: double ring, wide spaced

b-wire 2: double ring, narrow spaced



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Table: Technical characteristics A-2YF(L)2Y nx2x0,6

110077	A-2YF(L)2Y 02X2X0,6 SW	9	80	11
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p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
110079	A-2YF(L)2Y 04X2X0,6 SW	11	130	23
110001	A-2YF(L)2Y 06X2X0,6 SW	12	140	34
110005	A-2YF(L)2Y 10X2X0,6 SW	13,5	190	57
110011	A-2YF(L)2Y 20X2X0,6 SW	16,5	310	113
110016	A-2YF(L)2Y 30X2X0,6 SW	19,5	430	170
110018	A-2YF(L)2Y 40X2X0,6 SW	21,5	545	226
110020	A-2YF(L)2Y 50X2X0,6 SW	23,5	660	283

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
110022	A-2YF(L)2Y 70X2X0,6 SW	27	875	396
110003	A-2YF(L)2Y 100X2X0,6 SW	31,5	1225	565
110009	A-2YF(L)2Y 200X2X0,6 SW	42,5	2315	1131
110014	A-2YF(L)2Y 300X2X0,6 SW	51,5	3480	1696

Table: Technical characteristics A-2YF(L)2Y nx2x0,8

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
110078	A-2YF(L)2Y 02X2X0,8 SW	10	100	20
110074	A-2YF(L)2Y 04X2X0,8 SW	13	175	40
110002	A-2YF(L)2Y 06X2X0,8 SW	13,5	200	60
110006	A-2YF(L)2Y 10X2X0,8 SW	15,5	280	101
110012	A-2YF(L)2Y 20X2X0,8 SW	20	485	201
110017	A-2YF(L)2Y 30X2X0,8 SW	23	675	302
110019	A-2YF(L)2Y 40X2X0,8 SW	26,5	885	402
110021	A-2YF(L)2Y 50X2X0,8 SW	28,5	1070	503
110023	A-2YF(L)2Y 70X2X0,8 SW	33	1420	704

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
110004	A-2YF(L)2Y 100X2X0,8 SW	38,5	2000	1005
110010	A-2YF(L)2Y 200X2X0,8 SW	52	3800	2011
110091	A-2YF(L)2Y 250X2X0,8 SW	58	4590	2514
110015	A-2YF(L)2Y 300X2X0,8 SW	62	5480	3016
110069	A-2YF(L)2Y 350X2X0,8 SW	66	6350	3519
110073	A-2YF(L)2Y 400X2X0,8 SW	72	7350	4022
110099	A-2YF(L)2Y 500X2X0,8 SW	79	8920	5027

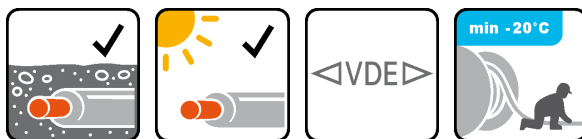
DA	outer diameter
G	weight
Cu	copper

A-02YSF(L)2Y St III Bd acc. to VDE 0816



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	foam-skin
sheathing material:	polyethylene
bonded sheath:	yes
UV-resistant:	yes
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
insulation resistance:	5000 MOhm x km
coupling K1:	400 pF
coupling K9-12:	100 pF
operating capacity:	42 nF/km
nominal voltage U₀:	225 V
core identification:	colours + rings

Application: Subscriber line cable in local networks, for data and voice transmission. Installation in free air, in ground and in ducts.



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Table: Technical characteristics A-02YSF(L)2Y St III Bd

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
110420	A-02YSF(L)2Y 02X2X0,6 St III Bd SW	9	65	11	110555	A-02YSF(L)2Y 04X2X0,8 St III Bd SW	12,8	145	40
110158	A-02YSF(L)2Y 06X2X0,6 St III Bd SW	12	135	34	110325	A-02YSF(L)2Y 06X2X0,8 St III Bd SW	13	200	60
110219	A-02YSF(L)2Y 10X2X0,6 St III Bd SW	12,7	160	57	110223	A-02YSF(L)2Y 10X2X0,8 St III Bd SW	15,5	245	101
110220	A-02YSF(L)2Y 20X2X0,6 St III Bd SW	16,6	280	113	110224	A-02YSF(L)2Y 20X2X0,8 St III Bd SW	19,7	420	201
110567	A-02YSF(L)2Y 30X2X0,6 St III Bd SW	19	395	170	110234	A-02YSF(L)2Y 30X2X0,8 St III Bd SW	20	496	302
110221	A-02YSF(L)2Y 50X2X0,6 St III Bd SW	23	575	283	110439	A-02YSF(L)2Y 40X2X0,8 St III Bd SW	21,4	618	402
110473	A-02YSF(L)2Y 70X2X0,6 St III Bd SW	25,1	770	396	110225	A-02YSF(L)2Y 50X2X0,8 St III Bd SW	28,9	950	503
110222	A-02YSF(L)2Y 100X2X0,6 St III Bd SW	30,7	1080	565	110440	A-02YSF(L)2Y 70X2X0,8 St III Bd SW	31	1230	704
110568	A-02YSF(L)2Y 200X2X0,6 St III Bd SW	41,5	2120	1131	110226	A-02YSF(L)2Y 100X2X0,8 St III Bd SW	37,9	1705	1005
110324	A-02YSF(L)2Y 02X2X0,8 St III Bd SW	12,6	90	20	110297	A-02YSF(L)2Y 200X2X0,8 St III Bd SW	54	3800	2011

DA	outer diameter
G	weight
Cu	copper

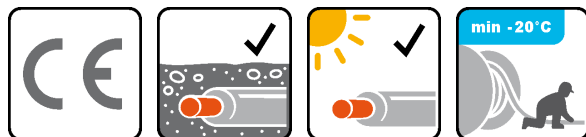
Subscriber line cable A-02YSOF(L)2Y St III Bd acc. to VDE 0816



conductor material:	bare copper
conductor construction:	solid
insulation:	foam-PE
sheathing material:	polyethylene
bonded sheath:	yes
transverse water-tight:	yes
longitudinally water-tight:	yes
UV-resistant:	yes
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
insulation resistance:	5000 MOhm x km
coupling K1:	400 pF
coupling K9-12:	100 pF

	<i>A-02YSOF(L)2Y 0,6 mm</i>	<i>A-02YSOF(L)2Y 0,8 mm</i>
operating capacity:	52 nF/km	55 nF/km
loop resistance:	130 Ohm/km	73,2 Ohm/km
nominal voltage U:	225 V	225 V

Application: Subscriber line cable for connecting telecom network components. For installation in tubes ducts or direct burial in ground.



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Table: Technical characteristics A-02YSOF(L)2Y 0,6 mm

p/n	part name	DA [mm]	Cu [kg/km]	G [kg]
110227	A-02YSOF(L)2Y 10X2X0,6 St III Bd SW	12	57	190
110228	A-02YSOF(L)2Y 20X2X0,6 St III Bd SW	15	113	255
110229	A-02YSOF(L)2Y 50X2X0,6 St III Bd SW	20	283	510
110230	A-02YSOF(L)2Y 100X2X0,6 St III Bd SW	27	565	940

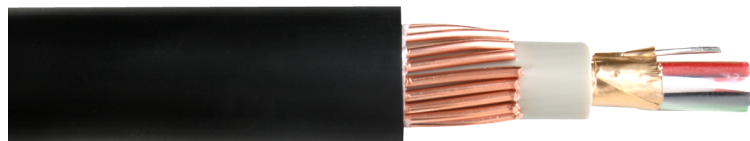
Table: Technical characteristics A-02YSOF(L)2Y 0,8 mm

p/n	part name	DA [mm]	Cu [kg/km]	G [kg]
110413	A-02YSOF(L)2Y 06X2X0,8 St III Bd SW	12	60	200
110213	A-02YSOF(L)2Y 10X2X0,8 St III Bd SW	14	101	230

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
110231	A-02YSOF(L)2Y 20X2X0,8 St III Bd SW	18	201	360
110301	A-02YSOF(L)2Y 30X2X0,8 St III Bd SW	21	302	675
110232	A-02YSOF(L)2Y 50X2X0,8 St III Bd SW	25	503	750
110233	A-02YSOF(L)2Y 100X2X0,8 St III Bd SW	32	1005	1440
110393	A-02YSOF(L)2Y 200X2X0,8 St III Bd SW	46	2011	2650

DA	outer diameter
Cu	copper
G	weight

Telecommunication cables AJ-Y(St)YDY Bd acc. to VDE 0816

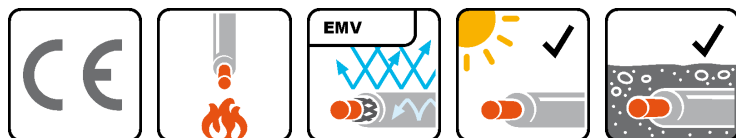


conductor material:	bare copper
conductor construction:	solid
insulation:	PVC
stranding unit:	pair
stranding:	bunches
screen:	copper wires
screen over strand:	Plastic coated Al-foil + solid copper drain wire, tinned
sheathing material:	PVC
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	
bending radius, fixed	15 x DA
installation:	
insulation resistance:	100 MOhm x km
operating capacity:	100 nF/km
loop resistance:	73,2 Ohm/km
attenuation at 800 Hz:	1,1

Construction: - cores twisted in pairs

- pairs stranded in layers
- separator foil
- drain wire 0,8 mm, tinned
- static screen (Al-foil)
- inner sheath
- copper wire screen (16 qmm)
- separator foil- PVC-Sheath

Application: Subscriber line cable in local distribution networks for short and medium distances, interconnection of distribution points etc., if special requirements to EMC are applicable. Suitable for direct burial in earth, as well as in cable ducts and tubes.



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Table: Technical characteristics AJ-Y(St)YDY Bd

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
110454	AJ-Y(St)YDY 02X2X0,8 3,5 Cu Bd Si SW		60	175
110514	AJ-Y(St)YDY 04X2X0,8 3,5 Cu Bd Si SW		81	144

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
110515	AJ-Y(St)YDY 08X2X0,8 3,5 Cu Bd Si SW		121	215
110516	AJ-Y(St)YDY 12X2X0,8 3,5 Cu Bd Si SW		162	288
110517	AJ-Y(St)YDY 16X2X0,8 3,5 Cu Bd Si SW		203	361
110455	AJ-Y(St)YDY 20X2X0,8 3,5 Cu Bd Si SW		280	510
110198	AJ-Y(St)YDY 02X2X0,8 16 Cu Bd Si SW	12,5	193	325
110163	AJ-Y(St)YDY 04X2X0,8 16 Cu Bd Si SW	15,1	213	375
110200	AJ-Y(St)YDY 08X2X0,8 16 Cu Bd Si SW	17,5	253	480
110165	AJ-Y(St)YDY 12X2X0,8 16 Cu Bd Si SW	19,5	294	327
110201	AJ-Y(St)YDY 20X2X0,8 16 Cu Bd Si SW	22,5	374	730
110594	AJ-Y(St)YDY 24X2X0,8 16 Cu Bd Si SW		414	780
110595	AJ-Y(St)YDY 32X2X0,8 16 Cu Bd Si SW	26,8	495	950
110214	AJ-Y(St)YDY 40X2X0,8 16 Cu Bd Si SW	28,5	575	1100
110285	AJ-Y(St)YDY 48X2X0,8 16 Cu Bd Si SW	30,2	661	1215

DA	outer diameter
Cu	copper
G	weight

Subscriber line cable A-2YF(L)2YB2Y St III Bd acc. to VDE 0816 (with ref. to)

conductor material:	bare copper
conductor construction:	solid
insulation:	polyethylene 2YI1
armour:	steel tape, galvanized
sheathing material:	polyethylene 2YM2
bonded sheath:	yes
transverse water-tight:	yes
longitudinally water-tight:	yes
UV-resistant:	yes
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +50 °C
bending radius, fixed installation:	7,5 x DA

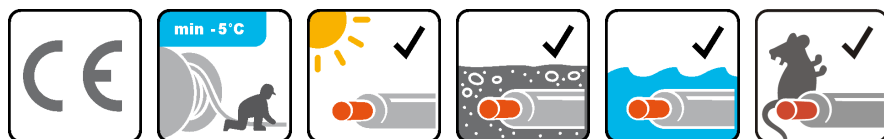
operating capacity:	42 nF/km
loop resistance:	73,2 Ohm/km
nominal voltage U:	225 V

Application: For fixed installation in buildings, in free air, in ground and in water.

Additional information: Stranding: 4 cores twisted into star-quads, 5 star-quads stranded into one sub-unit, sub-units layed up in layers.

petrol jelly filling - plastic foil separator - laminated sheath = aluminum tape 0,2 mm on both sides polymer laminated and welded with a PE-inner sheath - double steel tape armour approx. 0,1 mm (DA < 15 mm), singel steel tape approx. 0,2 mm (DA > 15 mm) - PE outer sheath

Core identification: The star-quads of each bunch are continuous: red, green, grey, yellow, white. The cores within one star-quad are marked by rings: a-wire 1: without ring, b-wire 1: one ring, wide spaced, a-wire 2: double ring, wide spaced, b-wire 2: double ring, narrow spaced



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Table: Technical characteristics A-2YF(L)2YB2Y St III Bd

p/n	part name	DA [mm]	Cu [kg/km]	G [kg]
110273	A-2YF(L)2YB2Y 20X2X0,6 SW		113	454
110268	A-2YF(L)2YB2Y 04X2X0,8 SW	15,5	40	288
110236	A-2YF(L)2YB2Y 10X2X0,8 SW	17,8	101	410
110237	A-2YF(L)2YB2Y 20X2X0,8 SW	23,1	201	710
110239	A-2YF(L)2YB2Y 40X2X0,8 SW	28,8	402	1070
110240	A-2YF(L)2YB2Y 50X2X0,8 SW	31,1	503	1280

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
110300	A-2YF(L)2YB2Y 100X2X0,8 SW	42	1005	1985

DA	outer diameter
Cu	copper
G	weight

Self-supporting communication cable A-02YS(St)(Zg)2Y St III Bd



conductor material:	bare copper
conductor construction:	solid
insulation:	foam-skin
stranding:	bunched star-quads
screen:	foil
reinforcing element:	in outer sheath embedded glass yarns
sheathing material:	polyethylene
flame retardant:	no
max. operating temperature, fixed:	-20 - +70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	5 x DA
insulation resistance:	1000 MOhm x km
coupling K1:	900 pF
coupling K9-12:	500 pF

	<i>A-02YS(St)(Zg)2Y - 0,5 mm</i>	<i>A-02YS(St)(Zg)2Y - 0,6 mm</i>
operating capacity:	40 nF/km	40 nF/km
loop resistance:	130 Ohm/km	130 Ohm/km
nominal voltage U:	225 V	225 V

Application: Self-supporting cables are preferably used for telecommunication installations. They are designed for self supporting aerial outdoor installations up to a support distance of 50 m, but, as an exception, they may be buried in earth over short distances. If necessary, they have to be protected mechanically.



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Table: Technical characteristics A-02YS(St)(Zg)2Y - 0,5 mm

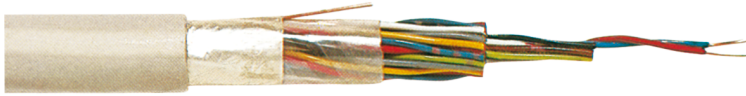
p/n	part name	DA [mm]	F _{zp} [N]	Cu [kg/km]	G [kg]
110445	A-02YS(St)(Zg)2Y 02X2X0,5 SW	9	3000	10	60
110446	A-02YS(St)(Zg)2Y 04X2X0,5 SW	11	4000	17	100
110422	A-02YS(St)(Zg)2Y 06X2X0,5 SW	12	4500	28	115
110447	A-02YS(St)(Zg)2Y 10X2X0,5 SW	13	5200	43	145
110593	A-02YS(St)(Zg)2Y 20X2X0,5 SW	16	7000	83	220
110632	A-02YS(St)(Zg)2Y 30X2X0,5 SW	17		122	285

p/n	part name	D _A [mm]	F _{zp} [N]	Cu [kg/km]	G [kg]
110608	A-02YS(St)(Zg)2Y 50X2X0,5 SW	21	7500	201	420

Table: Technical characteristics A-02YS(St)(Zg)2Y - 0,6 mm

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
110259	A-02YS(St)(Zg)2Y 30X2X0,6 SW	19,5	172	390
110260	A-02YS(St)(Zg)2Y 50X2X0,6 SW	24	286	580
110169	A-02YS(St)(Zg)2Y 100X2X0,6 SW	31,1	568	1050

DA	outer diameter
Fzp	tensile strength (permanent)
Cu	copper
G	weight



conductor material:	bare copper
conductor construction:	cl.2, 7-wired construction
insulation:	PVC
screen over strand:	foil
drain wire:	yes
sheathing material:	PVC
colour of outer sheath:	grey
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-5 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	
bending radius, fixed	7,5 x DA
installation:	
maxi-termi-point termination:	yes
impedance:	130 Ohm
insulation resistance:	100 MOhm x km
specific inductivity:	0,7 mH/km
coupling K1:	200 pF
operating capacity:	120 nF/km
nominal voltage U:	600 V

Application: In measuring and control circuits of industrial installations for transfer of analog and digital data up to 10 kHz. For fixed installation inside of buildings The version with blue outer sheath is suitable for application in intrinsical-safe circuits.

Additional information: stranding: cores into pairs (2-pair as a star-quad), 4 pairs into a bunch, bunches in layers. Identification of bunches by numbered helix.

core identification: blue, red; grey, yellow; green, brown; white, black;



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Table: Technical characteristics RD-Y(St)Y

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100928	RD-Y(St)Y Bd 01X2X0,5 GR	5,5	35	15	100958	RD-Y(St)Y Bd 12X2X0,5 BL	13,1	229	125
100929	RD-Y(St)Y Bd 01X2X0,5 BL	5,5	35	15	100448	RD-Y(St)Y Bd 16X2X0,5 GR	13,7	290	165
100443	RD-Y(St)Y Bd 02X2X0,5 GR	6,1	60	25	100723	RD-Y(St)Y Bd 16X2X0,5 BL	13,7	290	165
100602	RD-Y(St)Y Bd 02X2X0,5 BL	6,1	60	25	100581	RD-Y(St)Y Bd 24X2X0,5 BL	16,3	422	245
100580	RD-Y(St)Y Bd 04X2X0,5 BL	8,1	95	45	100394	RD-Y(St)Y Bd 24X2X0,5 GR	16,3	422	245
100445	RD-Y(St)Y Bd 04X2X0,5 GR	8,1	95	45	100449	RD-Y(St)Y Bd 32X2X0,5 GR	21,1	535	325
100446	RD-Y(St)Y Bd 08X2X0,5 GR	11,5	157	85	100502	RD-Y(St)Y Bd 32X2X0,5 BL	21,1	535	325
100501	RD-Y(St)Y Bd 08X2X0,5 BL	11,5	157	85	100450	RD-Y(St)Y Bd 48X2X0,5 GR	23,1	796	485
100447	RD-Y(St)Y Bd 12X2X0,5 GR	13,1	229	125	100724	RD-Y(St)Y Bd 48X2X0,5 BL	23,1	796	485

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100395	RD-Y(St)Y Bd 96X2X0,5 GR	30,5	1410	965
100970	RD-Y(St)Y Bd 02X2X1 GR	7,6	130	51
100971	RD-Y(St)Y Bd 02X2X1 BL	7,6	130	51
100972	RD-Y(St)Y Bd 04X2X1 GR	10,4	198	91
100973	RD-Y(St)Y Bd 04X2X1 BL	10,4	198	91
100974	RD-Y(St)Y Bd 08X2X1 GR	15,2	341	172

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100975	RD-Y(St)Y Bd 08X2X1 BL	15,2	341	172
100962	RD-Y(St)Y Bd 16X2X1 BL	18,2	670	332
100444	RD-Y(St)Y Bd 16X2X1 GR	18,2	670	332

DA	outer diameter
G	weight
Cu	copper



conductor material:	bare copper
conductor construction:	cl.2, 7-wired construction
insulation:	PVC YI 8
screen:	Cu-braiding
screen coverage:	80 %
sheathing material:	PVC YM 4
colour of outer sheath:	grey
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed:	-30 - +90 °C
temperature, moved/during installation:	-5 - +90 °C
bending radius, fixed installation:	7,5 x DA
insulation resistance:	100 MOhm x km
operating capacity:	120 nF/km
nominal voltage U:	225 V
core identification:	colours acc. VDE 0815

Application: For data communication with transmission rates up to 200 kBit/s in MSR- and EDP systems.

Transmission characteristics are guaranteed by high-quality stranding and screening. For fixed installation in dry and damp areas with high environmental temperatures.

Additional information: stranding: cores into pairs (2-pair as a star-quadrant), 4 pairs into a bunch, bunches in layers. Identification of bunches by numbered helix. core identification: blue, red; grey, yellow; green, brown; white, black;



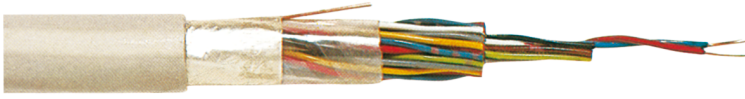
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Table: Technical characteristics RD-YwCYw

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100930	RD-YwCYw Bd 01X2X0,5 GR	6,1	89	43
100931	RD-YwCYw Bd 02X2X0,5 GR	6,5	89	54
100932	RD-YwCYw Bd 04X2X0,5 GR	9,1	130	95
100933	RD-YwCYw Bd 08X2X0,5 GR	12,1	195	145
101094	RD-YwCYw Bd 16X2X0,5 GR		336	249

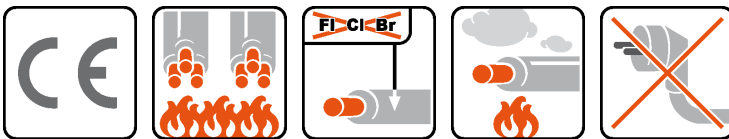
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
101288	RD-YwCYw Bd 24X2X0,5 GR		515	347
101095	RD-YwCYw Bd 32X2X0,5 GR		687	509,2
101096	RD-YwCYw Bd 48X2X0,5 GR		943	698,3

DA	outer diameter
G	weight
Cu	copper



conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	FRNC compound HI1
screen:	foil
drain wire:	yes
sheathing material:	FRNC-compound HM1
colour of outer sheath:	grey
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature,	0 - 70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
operating capacity:	100 nF/km
loop resistance:	78,4 Ohm/km
nominal voltage U:	225 V
test voltage:	2 kV

Additional information: stranding: cores into pairs (2-pair as a star-quadr), 4 pairs into a bunch, bunches in layers. Identification of bunches by numbered helix. core identification: blue, red; grey, yellow; green, brown; white, black;



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Table: Technical characteristics RD-H(St)H

p/n	part name	DA [mm]	Cu [kg/km]	G [kg]
101262	RD-H(St)H Bd 01X2X0,5 GR	5,5	15	35
100976	RD-H(St)H Bd 02X2X0,5 GR	7	25	65
100977	RD-H(St)H Bd 04X2X0,5 GR	9	46	110
100978	RD-H(St)H Bd 08X2X0,5 GR	12,5	86	138
100979	RD-H(St)H Bd 12X2X0,5 GR	13,5	127	265
100980	RD-H(St)H Bd 16X2X0,5 GR	14	167	335
101211	RD-H(St)H Bd 20X2X0,5 GR		205	380
100981	RD-H(St)H Bd 24X2X0,5 GR	17,5	250	450
101142	RD-H(St)H Bd 32X2X0,5 GR	21	331	570
101038	RD-H(St)H Bd 48X2X0,5 GR	24	494	790
101283	RD-H(St)H Bd 96X2X0,5 GR	33,5	986	1480
101404	RD-H(St)H Bd 01X2X1 GR		31	65
101134	RD-H(St)H Bd 02X2X1 GR	7,6	51	130
101083	RD-H(St)H Bd 04X2X1 GR	9	91	180
101135	RD-H(St)H Bd 08X2X1 GR	15,2	172	380
101136	RD-H(St)H Bd 12X2X1 GR	17,5	255	435

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101146	RD-H(St)H Bd 16X2X1 GR	19,5	338	560
101137	RD-H(St)H Bd 20X2X1 GR	21	423	680
101295	RD-H(St)H Bd 24X2X1 GR	23	507	805
101143	RD-H(St)H Bd 32X2X1 GR	29	674	1080

DA	outer diameter
Cu	copper
G	weight

Instrumentation cable RE-2X(St)Yv-fl acc. to EN 50288-7



conductor material:	bare copper
conductor construction:	cl.2, 7-wired construction
insulation:	XLPE
stranding unit:	pair
stranding:	pairs in layers
screen over strand:	foil
drain wire:	yes
sheathing material:	PVC
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
max. operating temperature,	-20 - +70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
insulation resistance:	5000 MOhm x km
specific inductivity:	1 mH/km
operating capacity:	120 nF/km
nominal voltage U:	300 V
test voltage:	2 kV

Application: For data communication with transmission rates up to 200 kBit/s in MSR- and EDP systems.

Transmission characteristics are guaranteed by high-quality stranding and screening. For fixed installation in dry and damp areas as well as in ground.

Additional information: Stranding:

- two cores twisted into pairs (triples)
- pairs/triples stranded in layers

Core identification: black-white with sequential numbering



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Table: Technical characteristics RE-2X(St)Yv-fl

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100632	08X2X0,5 BL	13,3	210	85	101090	20X2X0,75 BL	20,2	535	308
100617	12X2X0,5 BL	15,4	266	130	100647	24X2X0,75 BL	22,1	610	370
100635	16X2X0,5 BL	17,2	340	165	101426	01X2X1 BL	8,1	90	25
101267	20X2X0,5 BL		400	205	100650	01X2X1,3 BL	8,4	102	34
100622	24X2X0,5 BL	20,1	455	250	100651	01X3X1,3 BL	10	110	50
100637	01X2X0,75 BL	7,7	80	25	100562	02X2X1,3 BL	11,6	125	60
100564	02X2X0,75 BL	10,4	101	47	100653	04X2X1,3 BL	13,2	220	114
100639	04X2X0,75 BL	11,7	160	64	100655	06X2X1,3 BL	15,5	300	173
100640	06X2X0,75 BL	13,6	220	94	100657	08X2X1,3 BL	16,4	360	218
100642	08X2X0,75 BL	14,4	278	125	100563	12X2X1,3 BL	19,2	488	322
101290	10X2X0,75 BL	15,6	320	156	100659	16X2X1,3 BL	21,6	622	426
100643	12X2X0,75 BL	16,8	344	184	101501	20X2X1,3 BL	27	850	525
100645	16X2X0,75 BL	18,8	430	245	100660	24X2X1,3 BL	26,1	912	684

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100631	04X2X0,5 SW	10,9	130	46
100633	08X2X0,5 SW	13,3	210	85
100623	12X2X0,5 SW	15,4	266	130
100636	16X2X0,5 SW	17,2	340	165
100634	24X2X0,5 SW	20,1	455	250
100638	01X2X0,75 SW	7,7	80	25
100518	02X2X0,75 SW	10,4	101	47
100626	04X2X0,75 SW	11,7	160	64
100641	06X2X0,75 SW	13,6	220	94
100530	08X2X0,75 SW	14,4	278	125
101289	10X2X0,75 SW	15,6	320	156
100644	12X2X0,75 SW	16,8	344	184
100646	16X2X0,75 SW	18,8	430	245
101091	20X2X0,75 SW	20,2	535	308
100624	24X2X0,75 SW	22,1	610	370
101425	01X2X1 SW	8,1	90	25
101097	02X2X1 SW	11	145	46,2
101098	04X2X1 SW	12,5	200	87,7
101099	06X2X1 SW	14,6	276	133,1

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
101100	08X2X1 SW	15,4	321	167,7
100615	01X2X1,3 SW	8,4	102	34
100652	01X3X1,3 SW	10	110	50
100589	02X2X1,3 SW	11,6	125	60
100654	04X2X1,3 SW	13,2	220	114
100656	06X2X1,3 SW	15,5	300	173
100658	08X2X1,3 SW	16,4	360	218
100603	12X2X1,3 SW	19,2	488	322
100587	16X2X1,3 SW	21,6	622	426
101500	20X2X1,3 SW	27	850	525
100479	24X2X1,3 SW	26,1	912	684
101053	01X3X1,5 SW	9,3	134	55
101050	02X2X1,5 SW	12,5	187	72,1
101054	04X3X1,5 SW	15,3	342	203,6
101051	10X2X1,5 SW	19,5	526	335,6
101052	14X2X1,5 SW	21,3	692	467,6
101416	36X2X1,5 SW		1627	1085

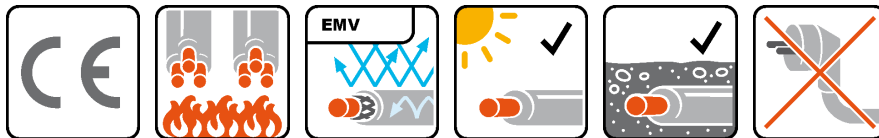
Instrumentation cable RE-2X(St)Yv-fl PiMF



conductor material:	bare copper
conductor construction:	Strand, 7-wired construction
insulation:	XLPE
screen over stranding unit:	foil
screen over strand:	foil
drain wire:	yes
sheathing material:	PVC, enforced
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	
bending radius, fixed	7,5 x DA
installation:	
bending radius, moved	15 x DA
application:	
insulation resistance:	5 MOhm x km
specific inductivity:	1 mH/km
operating capacity:	115 nF/km
nominal voltage U:	300 V
core identification:	core A: black, core B: white with number

Application: For data communication with transmission rates up to 200 kBit/s in MSR- and EDP systems.

Transmission characteristics are guaranteed by high-quality stranding and screening. For fixed installation in dry and damp areas, in outdoor and direct burial in earth.



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Table: Technical characteristics RE-2X(St)Yv-fl PiMF

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100664	02X2X0,5 SW	10,7	120	35	101101	02X2X1 SW	10,4	118	53,3
100666	04X2X0,5 SW	12,1	160	62	100560	02X2X1,3 SW	12,6	135	68
100668	6X2X0,5 SW	14,1	210	90	100495	04X2X1,3 SW	14,4	220	124
100669	08X2X0,5 SW	14,9	225	121	100694	06X2X1,3 SW	17	301	181
100671	12X2X0,5 SW	17,4	340	176	100561	08X2X1,3 SW	18	389	239
100673	16X2X0,5 SW	19,5	430	233	100697	12X2X1,3 SW	21,3	580	353
100675	24X2X0,5 SW	23	580	348	100590	16X2X1,3 SW	24,3	719	468
100679	02X2X0,75 SW	11,4	140	47	100700	24X2X1,3 SW	29	1090	697
100681	04X2X0,75 SW	13	190	82	100663	02X2X0,5 BL	10,7	120	35
100683	06X2X0,75 SW	15,2	260	124	100665	04X2X0,5 BL	12,1	160	62
100685	08X2X0,75 SW	16,1	310	160	100667	06X2X0,5 BL	14,1	210	90
100687	12X2X0,75 SW	18,8	410	237	100586	08X2X0,5 BL	14,9	225	121
100689	16X2X0,75 SW	21,1	530	315	100670	2X2X0,5 BL	17,4	340	176
100691	24X2X0,75 SW	25,5	760	470	100672	16X2X0,5 BL	19,5	430	233

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100674	24X2X0,5 BL	23	580	348
100678	2X2X0,75 BL	11,4	140	47
100680	04X2X0,75 BL	13	190	82
100682	06X2X0,75 BL	15,2	260	124
100684	08X2X0,75 BL	16,1	310	160
100686	12X2X0,75 BL	18,8	410	237
100688	6X2X0,75 BL	21,1	530	315
100690	24X2X0,75 BL	25,5	760	470
100620	02X2X1,3 BL	12,6	135	68

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100565	04X2X1,3 BL	14,4	220	124
100583	06X2X1,3 BL	17	301	181
100695	08X2X1,3 BL	18	389	239
100696	12X2X1,3 BL	21,3	580	353
100698	16X2X1,3 BL	24,3	719	468
100699	24X2X1,3 BL	29	1090	697

conductor material:	bare copper
conductor construction:	cl.2, 7-wired construction
insulation:	polyethylene
screen:	Plastic coated Al-foil + solid copper drain wire
sheathing material:	PVC TM1
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +50 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	
bending radius, fixed	7,5 x DA
installation:	
maxi-termi-point termination:	yes
insulation resistance:	5 MOhm x km
specific inductivity:	0,75 mH/km
coupling K1:	200 pF

	<i>RE-2Y(St)Yv 0,5 qmm</i>	<i>RE-2Y(St)Yv 0,75 qmm</i>	<i>RE-2Y(St)Yv 1,3 qmm</i>
operating capacity:	75 nF/km	75 nF/km	100 nF/km
conductor resistance:	39,2	24,6	14,2
nominal voltage U:	300 V	300 V	300 V
core identification:	core A: black, core B: white with number	core A: black, core B: white with number	core A: black, core B: white with number

Construction:

- two cores twisted into pairs + 1 communication core 0,5 sqmm orange (multi pair-version)
- pairs laid up in layers
- separating tape
- screen of Al coated foil with tinned drain wire
- outer sheath

Application: For data communication with transmission rates up to 200 kBit/s in MSR- and EDP systems.

Transmission characteristics are guaranteed by high-quality stranding and screening. For fixed installation in dry and damp areas, in outdoor and direct burial in earth.



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Table: Technical characteristics RE-2Y(St)Yv 0,5 qmm

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100777	RE-2Y(St)Yv 01X2X0,5 SW	8,2	74	15	100783	RE-2Y(St)Yv 20X2X0,5 SW	18,8	383	210
100778	RE-2Y(St)Yv 02X2X0,5 SW	10,2	117	30	100729	RE-2Y(St)Yv 24X2X0,5 SW	20,2	467	250
100727	RE-2Y(St)Yv 04X2X0,5 SW	11	138	50	100784	RE-2Y(St)Yv 36X2X0,5 SW	24,1	654	370
100779	RE-2Y(St)Yv 06X2X0,5 SW	12,6	190	70	100785	RE-2Y(St)Yv 48X2X0,5 SW	27,5	851	490
100780	RE-2Y(St)Yv 08X2X0,5 SW	13,8	210	90	100804	RE-2Y(St)Yv 01X2X0,5 BL	8,2	74	15
100781	RE-2Y(St)Yv 10X2X0,5 SW	14,9	220	110	100805	RE-2Y(St)Yv 02X2X0,5 BL	10,2	117	30
100728	RE-2Y(St)Yv 12X2X0,5 SW	15,7	273	130	100806	RE-2Y(St)Yv 04X2X0,5 BL	11,5	138	50
100782	RE-2Y(St)Yv 16X2X0,5 SW	17,5	348	170	100807	RE-2Y(St)Yv 06X2X0,5 BL	12,6	190	70

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100808	RE-2Y(St)Yv 08X2X0,5 BL	13,8	210	90
100809	RE-2Y(St)Yv 10X2X0,5 BL	14,9	220	110
100810	RE-2Y(St)Yv 12X2X0,5 BL	15,7	273	130
100811	RE-2Y(St)Yv 16X2X0,5 BL	17,5	348	170
100812	RE-2Y(St)Yv 20X2X0,5 BL	18,8	383	210

Table: Technical characteristics RE-2Y(St)Yv 0,75 qmm

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100786	RE-2Y(St)Yv 01X2X0,75 SW	7,9	72	20
100754	RE-2Y(St)Yv 02X2X0,75 SW	10,6	127	35
100787	RE-2Y(St)Yv 04X2X0,75 SW	11,8	167	65
100788	RE-2Y(St)Yv 06X2X0,75 SW	13,6	215	95
100789	RE-2Y(St)Yv 08X2X0,75 SW	14,6	262	125
100790	RE-2Y(St)Yv 10X2X0,75 SW	16,1	308	155
100755	RE-2Y(St)Yv 12X2X0,75 SW	17,1	353	185
100791	RE-2Y(St)Yv 16X2X0,75 SW	19,1	443	245
100792	RE-2Y(St)Yv 20X2X0,75 SW	21,5	523	305
100793	RE-2Y(St)Yv 24X2X0,75 SW	23,2	615	365
100794	RE-2Y(St)Yv 36X2X0,75 SW	28,2	940	532
100795	RE-2Y(St)Yv 48X2X0,75 SW	32,1	1250	708
100816	RE-2Y(St)Yv 01X2X0,75 BL	7,9	72	20

Table: Technical characteristics RE-2Y(St)Yv 1,3 qmm

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100796	RE-2Y(St)Yv 01X2X1,3 SW	9,4	102	31
100797	RE-2Y(St)Yv 04X2X1,3 SW	13,5	230	114
100798	RE-2Y(St)Yv 06X2X1,3 SW	16,1	310	168
100799	RE-2Y(St)Yv 08X2X1,3 SW	17,1	376	218
100800	RE-2Y(St)Yv 12X2X1,3 SW	19,3	515	322
100801	RE-2Y(St)Yv 16X2X1,3 SW	22,1	654	426
100802	RE-2Y(St)Yv 24X2X1,3 SW	26,5	951	684
100803	RE-2Y(St)Yv 01X3X1,3 SW	9,7	111	44
100828	RE-2Y(St)Yv 01X2X1,3 BL	9,4	102	31
100829	RE-2Y(St)Yv 02X2X1,3 BL	11,7	161	62
100830	RE-2Y(St)Yv 04X2X1,3 BL	13,5	230	114
100831	RE-2Y(St)Yv 06X2X1,3 BL	16,1	310	168
100832	RE-2Y(St)Yv 08X2X1,3 BL	17,1	376	218
100833	RE-2Y(St)Yv 12X2X1,3 BL	19,3	515	322
100834	RE-2Y(St)Yv 16X2X1,3 BL	22,1	654	426
100835	RE-2Y(St)Yv 24X2X1,3 BL	26,5	951	684
100836	RE-2Y(St)Yv 01X3X1,3 BL	9,7	111	44

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100813	RE-2Y(St)Yv 24X2X0,5 BL	20,2	467	250
100814	RE-2Y(St)Yv 36X2X0,5 BL	24,1	654	370
100815	RE-2Y(St)Yv 48X2X0,5 BL	27,5	851	490

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100817	RE-2Y(St)Yv 02X2X0,75 BL	10,6	127	35
100818	RE-2Y(St)Yv 04X2X0,75 BL	11,8	167	65
100819	RE-2Y(St)Yv 06X2X0,75 BL	13,6	215	95
100820	RE-2Y(St)Yv 08X2X0,75 BL	14,6	262	125
100821	RE-2Y(St)Yv 10X2X0,75 BL	16,1	308	155
100822	RE-2Y(St)Yv 12X2X0,75 BL	17,1	353	185
100823	RE-2Y(St)Yv 16X2X0,75 BL	19,1	443	245
100824	RE-2Y(St)Yv 20X2X0,75 BL	21,5	523	305
100825	RE-2Y(St)Yv 24X2X0,75 BL	23,2	615	365
100826	RE-2Y(St)Yv 36X2X0,75 BL	28,2	940	532
100827	RE-2Y(St)Yv 48X2X0,75 BL	32,1	1250	708

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100889	RE-2Y(St)Yv PiMF 02X2X1,3 SW	12,7	183	68
100890	RE-2Y(St)Yv PiMF 04X2X1,3 SW	15,2	268	124
100891	RE-2Y(St)Yv PiMF 06X2X1,3 SW	17,3	360	178
100892	RE-2Y(St)Yv PiMF 08X2X1,3 SW	18,8	441	239
100893	RE-2Y(St)Yv PiMF 12X2X1,3 SW	21,4	559	353
100894	RE-2Y(St)Yv PiMF 16X2X1,3 SW	24,7	788	468
100895	RE-2Y(St)Yv PiMF 24X2X1,3 SW	29,4	1103	697
100566	RE-2Y(St)Yv PiMF 04X2X1,3 BL		220	124

Cable for industrial electronics

JE-Y(St)Y acc. to VDE 0815



conductor material:	bare copper
conductor construction:	solid
insulation:	PVC YI3
covering of strand:	Plastic-foil
screen:	Plastic coated Al-foil + solid copper drain wire
sheathing material:	PVC TM1
colour of outer sheath:	grey RAL 7032, alternative blue RAL 5015
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
coupling K1:	200 pF
operating capacity:	100 nF/km
loop resistance:	73,2 Ohm/km
nominal voltage U:	225 V
test voltage:	0,5 kV
core identification:	colours + rings

Application: For signal transmission between electronic devices, in computer systems or process control units. For installation in dry and wet rooms.

Additional information: Stranding: cores twisted into pairs, 4 pairs layed up into sub-units (2-pairs cable stranded as one star-quad), sub-units layed up in layers
Core identification: The basic colour of each bunch are continuous sequence: blue, red, grey, yellow, green, brown, white, black
The bundles are identified by the colour of the rings on the insulation or a colored tape.



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Table: Technical characteristics JE-Y(St)Y

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100106	JE-Y(St)Y 02X2X0,8 GR	7	60	25
100107	JE-Y(St)Y 04X2X0,8 GR	9	96	45
100108	JE-Y(St)Y 08X2X0,8 GR	11,5	158	85
100109	JE-Y(St)Y 12X2X0,8 GR	14	235	126
100110	JE-Y(St)Y 16X2X0,8 GR	15,5	295	166
100111	JE-Y(St)Y 20X2X0,8 GR	16,5	355	206
100112	JE-Y(St)Y 24X2X0,8 GR	19	430	246
100113	JE-Y(St)Y 32X2X0,8 GR	21	555	327
100114	JE-Y(St)Y 40X2X0,8 GR	22,5	670	407
100115	JE-Y(St)Y 48X2X0,8 GR	26,6	740	488
100116	JE-Y(St)Y 80X2X0,8 GR	31	1290	809
100117	JE-Y(St)Y 100X2X0,8 GR	32	1495	1015
101300	JE-Y(St)Y 01X2X0,8 BL	5,2	41	15
100484	JE-Y(St)Y 02X2X0,8 BL	7	60	25
100496	JE-Y(St)Y 04X2X0,8 BL	9	96	45
100481	JE-Y(St)Y 08X2X0,8 BL	11,5	158	85
101055	JE-Y(St)Y 12X2X0,8 BL	14	235	126
100482	JE-Y(St)Y 16X2X0,8 BL	15,5	295	166
100483	JE-Y(St)Y 20X2X0,8 BL	16,5	355	206
101275	JE-Y(St)Y 24X2X0,8 BL	19	430	246
100850	JE-Y(St)Y 32X2X0,8 BL	20	538	327
100711	JE-Y(St)Y 02X2X1 BL	7,5	76	36
100712	JE-Y(St)Y 04X2X1 BL	10	127	67
100713	JE-Y(St)Y 08X2X1 BL	12	216	129

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100714	JE-Y(St)Y 16X2X1 BL	16,9	410	253

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
101683	JE-Y(St)Y 48X2X0,8 BL	26,6	740	488

DA	outer diameter
G	weight
Cu	copper

Cable for industrial electronics JE-Y(St)Yv

conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	PVC YI3
screen:	Plastic coated Al-foil + solid copper drain wire
sheathing material:	PVC, enforced
colour of outer sheath:	grey
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	

nominal voltage U:	225 V
core identification:	colours + rings

Application: For signal transmission between electronic devices, in computer systems or process control units. For installation in dry and wet rooms. The sheath is resistant against most frequently used oils.



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Table: Technical characteristics JE-Y(St)Yv

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100704	JE-Y(St)Yv 02X2X0,8 GR	7,5	85	25
100618	JE-Y(St)Yv 12X2X0,8 GR	14	250	126
100452	JE-Y(St)Yv 20X2X0,8 GR	16	365	206
101064	JE-Y(St)Yv 02X2X0,8 SW	7,5	85	25
101065	JE-Y(St)Yv 04X2X0,8 SW	10	123	45
101066	JE-Y(St)Yv 08X2X0,8 SW	12,5	195	85
101067	JE-Y(St)Yv 12X2X0,8 SW	14	250	126
101068	JE-Y(St)Yv 20X2X0,8 SW	16	365	206
101113	JE-Y(St)Yv 24X2X0,8 SW	18	423	246
101407	JE-Y(St)Yv 48X2X0,8 SW	24,1	765	488

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
101364	JE-Y(St)Yv 02X2X0,8 BL	7,5	85	25
100721	JE-Y(St)Yv 04X2X0,8 BL	10	123	45
101365	JE-Y(St)Yv 08X2X0,8 BL	12,5	195	85
101366	JE-Y(St)Yv 12X2X0,8 BL	14	250	126
100500	JE-Y(St)Yv 20X2X0,8 BL	16	365	206
101112	JE-Y(St)Yv 24X2X0,8 BL	18	423	246
101408	JE-Y(St)Yv 48X2X0,8 BL	24,1	765	488

DA	outer diameter
G	weight
Cu	copper

Cable for industrial electronics JE-Y(St)Y ... FR



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	rubber (EPR) EI4
screen:	foil
sheathing material:	special PVC-compound
colour of outer sheath:	grey
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	
bending radius, fixed	7,5 x DA
installation:	
bending radius, moved	15 x DA
application:	
insulation resistance:	100 MOhm x km
operating capacity:	100 nF/km
loop resistance:	73,2 Ohm/km
nominal voltage U:	225 V
attenuation at 800 Hz:	1,1

Application: For signal transmission between electronic devices, in computer systems or process control units. For installation in dry and wet rooms.

Additional information:

Stranding:

- cores twisted into pairs
- 4 pairs layed up into sub-units (2-pairs cable stranded as one star-quad)
- sub-units layed up in layers

Core identification:

The basic colour of each bunch are continuous sequence: blue, red, grey, yellow, green, brown, white, black

The bundles are identified by the colour of the rings on the insulating core.



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Table: Technical characteristics JE-Y(St)Y ... FR

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100851	JE-Y(St)Y...FR 02X2X0,8 GR	6,5	25	60
100852	JE-Y(St)Y...FR 04X2X0,8 GR	8	45	90
100853	JE-Y(St)Y...FR 08X2X0,8 GR	10,5	85	150

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100854	JE-Y(St)Y...FR 12X2X0,8 GR	11,5	126	200
100855	JE-Y(St)Y...FR 16X2X0,8 GR	12,5	166	260
100856	JE-Y(St)Y...FR 20X2X0,8 GR	16,5	206	315

DA	outer diameter
Cu	copper
G	weight

Cable for industrial electronics

JE-LiYCY acc. to VDE 0815



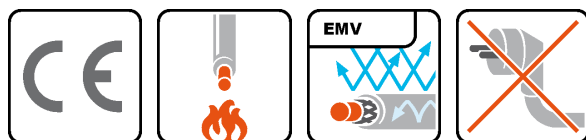
conductor material:	bare copper
conductor construction:	Strand, 7-wired construction
insulation:	PVC
screen:	Cu-braiding
sheathing material:	PVC
colour of outer sheath:	grey
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
insulation resistance:	20 MOhm x km
specific inductivity:	0,65 mH/km
operating capacity:	100 nF/km
nominal voltage U:	225 V
core identification:	colours + rings
attenuation at 800 Hz:	1,1

Application: For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility. For installation in dry and wet rooms.

Additional information:

impedance (1 kHz): ca. 370 Ohm

attenuation (1 kHz): ca 1,1 dB/km



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Table: Technical characteristics JE-LiYCY

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
101611	JE-LiYCY 01X2X0,5 Bd Si GR	6,1	55	35
100125	JE-LiYCY 02X2X0,5 Bd Si GR	8,1	81	48
100126	JE-LiYCY 04X2X0,5 Bd Si GR	10,1	137	84
100127	JE-LiYCY 08X2X0,5 Bd Si GR	13,5	194	140
100128	JE-LiYCY 12X2X0,5 Bd Si GR	15,5	307	193
100202	JE-LiYCY 16X2X0,5 Bd Si GR	17,5	375	243
100130	JE-LiYCY 20X2X0,5 Bd Si GR	20,1	461	292
100131	JE-LiYCY 24X2X0,5 Bd Si GR	21,1	570	342
100132	JE-LiYCY 32X2X0,5 Bd Si GR	23,1	690	435
100133	JE-LiYCY 40X2X0,5 Bd Si GR	25,5	831	531
101612	JE-LiYCY 01X2X0,5 Bd Si BL	6,1	55	35
100230	JE-LiYCY 02X2X0,5 Bd Si BL	8,1	81	48

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100234	JE-LiYCY 04X2X0,5 Bd Si BL	10,1	137	84
100231	JE-LiYCY 08X2X0,5 Bd Si BL	13,5	194	140
100248	JE-LiYCY 12X2X0,5 Bd Si BL	15,5	307	193
100194	JE-LiYCY 16X2X0,5 Bd Si BL	17,5	375	243
100249	JE-LiYCY 20X2X0,5 Bd Si BL	20,1	461	292
100250	JE-LiYCY 24X2X0,5 Bd Si BL	21,1	570	342
100251	JE-LiYCY 32X2X0,5 Bd Si BL	23,1	690	435
100486	JE-LiYCY 02X2X1,0 Bd Si GR		95	78
100487	JE-LiYCY 08X2X1,0 Bd Si GR		265	248
100489	JE-LiYCY 16X2X1,0 Bd Si GR		610	424

DA	outer diameter
G	weight
Cu	copper

Cable for industrial electronics JE-LiYCY ... FR



conductor construction:	Strand, 7-wired construction
insulation:	PVC TI1
covering of strand:	Plastic-foil
screen:	Cu-braid, tinned
sheathing material:	PVC TM1
colour of outer sheath:	gray RAL 7032
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	
bending radius, fixed	10 x DA
installation:	
insulation resistance:	100 MOhm x km
operating capacity:	120 nF/km
loop resistance:	78,4 Ohm/km
nominal voltage U:	225 V
test voltage:	500 kV
core identification:	colours acc. VDE 0815

Application: For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility. For installation in dry and wet rooms.

Additional information: Stranding:

- cores twisted into pairs
- 4 pairs layed up into sub-units
- sub-units layed up in layers

Core identification:

The basic colour of each bunch are continuous sequence: blue, red, grey, yellow, green, brown, white, black

The bundles are identified by the colour of the rings on the insulating core.



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Table: Technical characteristics JE-LiYCY ... FR

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100949	JE-LiYCY...FR 02X2X0,5 Bd Si GR	7	48	81
100953	JE-LiYCY...FR 04X2X0,5 Bd Si GR		84	137

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101037	JE-LIYCY...FR 08X2X0,5 Bd Si GR		140	194
101406	JE-LIYCY...FR 02X2X0,5 Bd Si BL		48	81

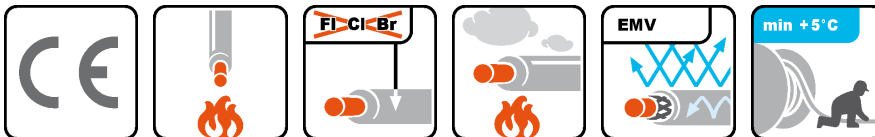
DA	outer diameter
Cu	copper
G	weight

Screened FRNC electronic cable JE-LiHCH



conductor material:	bare copper
conductor construction:	Strand, 7-wired construction
insulation:	FRNC compound HI1
screen:	Cu-braiding
sheathing material:	FRNC-compound HM2
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	7,5 x DA
insulation resistance:	20 MOhm x km
specific inductivity:	0,65 mH/km
operating capacity:	120 nF/km
nominal voltage U₀:	250 V
test voltage:	1,2 kV
core identification:	colours + rings

Application: For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility.



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Table: Technical characteristics JE-LiHCH

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100556	JE-LiHCH 02X2X0,5 Bd Si GR	9,1	92	48
100557	JE-LiHCH 04X2X0,5 Bd Si GR	10,3	155	84
100558	JE-LiHCH 08X2X0,5 Bd Si GR	13,3	250	152
100742	JE-LiHCH 12X2X0,5 Bd Si GR	15,6	315	193
100743	JE-LiHCH 16X2X0,5 Bd Si GR	17,1	389	243
100744	JE-LiHCH 20X2X0,5 Bd Si GR	18,5	457	292

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
101009	JE-LiHCH 24X2X0,5 Bd Si GR	20,8	556	342
100745	JE-LiHCH 32X2X0,5 Bd Si GR	23,5	680	435
100746	JE-LiHCH 40X2X0,5 Bd Si GR	25,2	823	531
101093	JE-LiHCH 48X2X0,5 Bd Si GR	25,9	988	665

DA	outer diameter
G	weight
Cu	copper

Cable for industrial electronics JE-LiY(St)Y

conductor material:	bare copper
conductor construction:	Strand, 7-wired construction
insulation:	PVC
screen:	Plastic coated Al-foil + solid copper drain wire
drain wire:	yes
sheathing material:	PVC
colour of outer sheath:	gray RAL 7032
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +70 °C
installation:	
bending radius, fixed	10 x DA
installation:	
insulation resistance:	100 MOhm x km
operating capacity:	144 nF/km
loop resistance:	78,4 Ohm/km
nominal voltage U:	225 V
core identification:	colours acc. VDE 0815

Application: For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility. For installation in dry and wet rooms.

Additional information: stranding: cores into pairs (2-pair as a star-quadruple), 4 pairs into a bunch, bunches in layers. Identification of bunches by numbered helix. core identification: blue, red; grey, yellow; green, brown; white, black;



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Table: Technical characteristics JE-LiY(St)Y

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100927	JE-LiY(St)Y 02X2X0,5 Bd Si GR	7	58	25
100607	JE-LiY(St)Y 04X2X0,5 Bd Si GR	9	94	45
100608	JE-LiY(St)Y 08X2X0,5 Bd Si GR	11,5	154	85
101497	JE-LiY(St)Y 12X2X0,5 Bd Si GR	13,5	260	126
100609	JE-LiY(St)Y 16X2X0,5 Bd Si GR	14,5	286	165

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100610	JE-LiY(St)Y 24X2X0,5 Bd Si GR	17,5	286	245
100601	JE-LiY(St)Y 32X2X0,5 Bd Si GR	20	535	325
101195	JE-LiY(St)Y 48X2X0,5 Bd Si GR		805	485

DA	outer diameter
G	weight
Cu	copper



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC TI1
stranding unit:	core
sheathing material:	PVC TM2
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	15 x DA

	YSLY-JZ	YSLY-OZ	YSLY-JB	YSLY-OB
nominal voltage U₀:	300 V	300 V	300 V	300 V
nominal voltage U:	500 V	500 V	500 V	500 V
test voltage:	2 kV	2 kV	2 kV	2 kV
protective conductor:	yes	no	yes	no
core identification:	gn-ye + numbers	numbers	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)

Application: Flexible power, process control and instrumentation cable for industry and mechanical engineering. The cable is resistant against most usual chemicals, oil and grease.



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Table: Technical characteristics YSLY-JZ

p/n	part name	R _i [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
030643	YSLY-JZ 03X0,5 GR	39	5,1	14,4	47
030644	YSLY-JZ 04X0,5 GR	39	5,7	19,2	58
030645	YSLY-JZ 05X0,5 GR	39	6,2	24	75
030647	YSLY-JZ 07X0,5 GR	39	6,8	33,6	93
030648	YSLY-JZ 08X0,5 GR	39	7	38	115
030649	YSLY-JZ 10X0,5 GR	39	8,6	48	142
030650	YSLY-JZ 12X0,5 GR	39	8,8	58	150
030651	YSLY-JZ 14X0,5 GR	39	9,5	67	172
030604	YSLY-JZ 18X0,5 GR	39	10,5	86	216
031992	YSLY-JZ 19X0,5 GR	39	10,6	91,2	187

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
030653	YSLY-JZ 21X0,5 GR	39	10,9	101	249
030654	YSLY-JZ 25X0,5 GR	39	12,6	120	257
030860	YSLY-JZ 30X0,5 GR	39	13,4	144	303
030655	YSLY-JZ 34X0,5 GR	39	14,6	163	398
030656	YSLY-JZ 40X0,5 GR	39	15,4	192	452
030657	YSLY-JZ 42X0,5 GR	39	16,2	202	471
030658	YSLY-JZ 50X0,5 GR	39	17,5	240	510
030659	YSLY-JZ 61X0,5 GR	39	19,1	293	670
031196	YSLY-JZ 65X0,5 GR	39	21,4	312	714
030102	YSLY-JZ 03X0,75 GR	26	5,6	22	66
030104	YSLY-JZ 04X0,75 GR	26	6,4	29	78
030105	YSLY-JZ 05X0,75 GR	26	7	36	91
030106	YSLY-JZ 06X0,75 GR	26	7,1	43,2	108
030107	YSLY-JZ 07X0,75 GR	26	7,5	50,4	124
031197	YSLY-JZ 08X0,75 GR	26	8,2	58	143
030861	YSLY-JZ 09X0,75 GR	26	8,7	64,8	162
030109	YSLY-JZ 10X0,75 GR	26	9,8	72	185
030110	YSLY-JZ 12X0,75 GR	26	10	86,4	191
030111	YSLY-JZ 15X0,75 GR	26	11,2	108	229
030112	YSLY-JZ 18X0,75 GR	26	11,8	130	283
031198	YSLY-JZ 20X0,75 GR	26	12,5	144	288
030859	YSLY-JZ 21X0,75 GR	26	13,5	151,2	293
030114	YSLY-JZ 25X0,75 GR	26	13,8	180	388
031300	YSLY-JZ 30X0,75 GR	26	15,2	216	445
030115	YSLY-JZ 32X0,75 GR	26	15,6	230	467
030116	YSLY-JZ 34X0,75 GR	26	15,8	245	546
031199	YSLY-JZ 41X0,75 GR	26	17	295	668
030117	YSLY-JZ 42X0,75 GR	26	17,5	302	673
030118	YSLY-JZ 50X0,75 GR	26	19,8	360	730
030119	YSLY-JZ 61X0,75 GR	26	21,2	439	890
030973	YSLY-JZ 65X0,75 GR	26	24,2	468	948
031200	YSLY-JZ 80X0,75 GR	26	26	576	1165
030121	YSLY-JZ 03X1 GR	19,5	6,1	29	68
030122	YSLY-JZ 04X1 GR	19,5	7	38,4	85
030123	YSLY-JZ 05X1 GR	19,5	7,6	48	110
031318	YSLY-JZ 06X1 GR	19,5	8,1	57,6	135
030125	YSLY-JZ 07X1 GR	19,5	8,2	67	146
030862	YSLY-JZ 08X1 GR	19,5	9,2	76,8	148
030863	YSLY-JZ 09X1 GR	19,5	9,5	86,4	178
030128	YSLY-JZ 10X1 GR	19,5	10,7	96	210
030129	YSLY-JZ 12X1 GR	19,5	10,8	115,2	232
030130	YSLY-JZ 14X1 GR	19,5	11,4	134,4	271
031201	YSLY-JZ 16X1 GR	19,5	12,1	154	300
030131	YSLY-JZ 18X1 GR	19,5	13,1	173	328
030960	YSLY-JZ 19X1 GR	19,5	13,2	183	346
030132	YSLY-JZ 20X1 GR	19,5	13,7	192	357
031202	YSLY-JZ 21X1 GR	19,5	14	201,6	444
030134	YSLY-JZ 25X1 GR	19,5	16,3	240	531
030135	YSLY-JZ 34X1 GR	19,5	17,7	326,4	618
030864	YSLY-JZ 41X1 GR	19,5	19,2	395	715
030137	YSLY-JZ 42X1 GR	19,5	19,3	403	731
030139	YSLY-JZ 50X1 GR	19,5	21,1	480	843
031203	YSLY-JZ 56X1 GR	19,5	21,8	538	962
030455	YSLY-JZ 61X1 GR	19,5	22,5	586	1080
030981	YSLY-JZ 65X1 GR	19,5	25,7	624	1150
031204	YSLY-JZ 80X1 GR	19,5	27,5	768	1416
034660	YSLY-JZ 100X1 GR	19,5	28,3	960	1602
030141	YSLY-JZ 03X1,5 GR	13,3	6,8	43,2	95
030142	YSLY-JZ 04X1,5 GR	13,3	7,3	58	117

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
030143	YSLY-JZ 05X1,5 GR	13,3	8,1	72	152
031957	YSLY-JZ 06X1,5 GR	13,3	9,1	86,4	183
030144	YSLY-JZ 07X1,5 GR	13,3	9,2	101	192
030716	YSLY-JZ 08X1,5 GR	13,3	10,1	115,2	205
030704	YSLY-JZ 09X1,5 GR	13,3	10,7	129,6	220
030531	YSLY-JZ 10X1,5 GR	13,3	11,5	144	252
030776	YSLY-JZ 11X1,5 GR	13,3	11,8	158,4	295
030148	YSLY-JZ 12X1,5 GR	13,3	11,7	173	312
030149	YSLY-JZ 14X1,5 GR	13,3	12,6	202	349
031205	YSLY-JZ 16X1,5 GR	13,3	13,6	230	403
030150	YSLY-JZ 18X1,5 GR	13,3	14,5	259,2	456
031206	YSLY-JZ 20X1,5 GR	13,3	16,5	288	507
031207	YSLY-JZ 21X1,5 GR	13,3	17,5	302	573
030152	YSLY-JZ 25X1,5 GR	13,3	17,1	360	638
030153	YSLY-JZ 32X1,5 GR	13,3	19,2	461	820
030154	YSLY-JZ 34X1,5 GR	13,3	19,7	490	860
030155	YSLY-JZ 42X1,5 GR	13,3	21,7	605	1052
030156	YSLY-JZ 50X1,5 GR	13,3	23,7	720	1296
030456	YSLY-JZ 61X1,5 GR	13,3	25,4	878,4	1502
031208	YSLY-JZ 65X1,5 GR	13,3	26,3	936	1600
031209	YSLY-JZ 80X1,5 GR	13,3	30,6	1152	1970
031401	YSLY-JZ 100X1,5 GR	13,3	35,2	1440	2460
030158	YSLY-JZ 03X2,5 GR	7,98	8,2	72	148
030159	YSLY-JZ 04X2,5 GR	7,98	9,3	96	236
030160	YSLY-JZ 05X2,5 GR	7,98	10,2	120	263
030161	YSLY-JZ 07X2,5 GR	7,98	11,2	168	298
034781	YSLY-JZ 08X2,5 GR	7,98	13,4	192	339
030169	YSLY-JZ 12X2,5 GR	7,98	14,7	288	522
030163	YSLY-JZ 14X2,5 GR	7,98	15,9	336	588
031210	YSLY-JZ 16X2,5 GR	7,98	19,1	384	665
030164	YSLY-JZ 18X2,5 GR	7,98	18,1	432	749
035797	YSLY-JZ 19X2,5 GR	7,98	18,2	456	670
031211	YSLY-JZ 20X2,5 GR	7,98	20,8	480	832
031212	YSLY-JZ 21X2,5 GR	7,98	21,5	504	928
030165	YSLY-JZ 25X2,5 GR	7,98	21,4	600	1024
030166	YSLY-JZ 34X2,5 GR	7,98	24,6	816	1513
031213	YSLY-JZ 40X2,5 GR	7,98	26,9	960	1660
030576	YSLY-JZ 42X2,5 GR	7,98	27,1	1008	1800
030167	YSLY-JZ 50X2,5 GR	7,98	29,9	1200	2200
030570	YSLY-JZ 61X2,5 GR	7,98	34,4	1464	2553
031214	YSLY-JZ 03X4 GR	4,95	9,8	115,2	235
030546	YSLY-JZ 04X4 GR	4,95	10,9	154	299
030593	YSLY-JZ 05X4 GR	4,95	12,3	192	363
030597	YSLY-JZ 07X4 GR	4,95	13,9	269	488
031958	YSLY-JZ 12X4 GR	4,95	19,5	460,8	790
031215	YSLY-JZ 03X6 GR	3,3	11,6	172,8	415
030602	YSLY-JZ 04X6 GR	3,3	12,9	230	480
030594	YSLY-JZ 05X6 GR	3,3	14,4	288	583
030598	YSLY-JZ 07X6 GR	3,3	15,7	403	782
032316	YSLY-JZ 19X6 GR	3,3	26,7	1094	1600
031216	YSLY-JZ 03X10 GR	1,91	14,8	288	682
030590	YSLY-JZ 04X10 GR	1,91	16,5	384	737
030595	YSLY-JZ 05X10 GR	1,91	18,4	480	914
030607	YSLY-JZ 07X10 GR	1,91	19,9	672	1191
034556	YSLY-JZ 03X16 GR	1,91	16,9	461	827
030591	YSLY-JZ 04X16 GR	1,21	19,6	614	1087
030596	YSLY-JZ 05X16 GR	1,21	22	768	1370
030732	YSLY-JZ 07X16 GR	1,21	23,9	1075	1779
030600	YSLY-JZ 04X25 GR	0,78	23,8	960	1582

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
030608	YSLY-JZ 05X25 GR	0,78	27,5	1200	1998
031217	YSLY-JZ 07X25 GR	0,78	31,2	1680	2597
030601	YSLY-JZ 04X35 GR	0,554	28,8	1344	2106
030606	YSLY-JZ 05X35 GR	0,554	31,8	1680	2485
031337	YSLY-JZ 07X35 GR	0,554	38,3	2352	2998
031704	YSLY-JZ 03X50 GR	0,386	27,9	1440	2550
030592	YSLY-JZ 04X50 GR	0,386	34,9	1920	2943
031913	YSLY-JZ 05X50 GR	0,386	38,3	2400	3936

Table: Technical characteristics YSLY-OZ

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
030642	YSLY-OZ 02X0,5 GR	39	4,8	9,6	40
030868	YSLY-OZ 03X0,5 GR	39	5,1	14,4	47
030869	YSLY-OZ 04X0,5 GR	39	5,7	19,2	58
030870	YSLY-OZ 05X0,5 GR	39	6,2	24	75
030871	YSLY-OZ 07X0,5 GR	39	6,8	33,6	93
030103	YSLY-OZ 02X0,75 GR	26	5,4	15	56
030547	YSLY-OZ 03X0,75 GR	26	5,6	22	66
030548	YSLY-OZ 04X0,75 GR	26	6,4	29	78
030549	YSLY-OZ 05X0,75 GR	26	7	36	91
030633	YSLY-OZ 07X0,75 GR	26	7,5	50,4	124
030168	YSLY-OZ 02X1 GR	19,5	5,6	19,2	57
030624	YSLY-OZ 03X1 GR	19,5	6,1	29	68
030627	YSLY-OZ 04X1 GR	19,5	7	38,4	85
030630	YSLY-OZ 05X1 GR	19,5	7,6	48	110
030634	YSLY-OZ 07X1 GR	19,5	8,2	67	148
032011	YSLY-OZ 12X1 GR	19,5	10,7	115,2	232
031834	YSLY-OZ 18X1 GR	19,5	12,9	173	300
030140	YSLY-OZ 02X1,5 GR	13,3	6,4	29	78
030625	YSLY-OZ 03X1,5 GR	13,3	6,8	43,2	95
030628	YSLY-OZ 04X1,5 GR	13,3	7,3	58	117
030631	YSLY-OZ 05X1,5 GR	13,3	8,1	72	152
030635	YSLY-OZ 07X1,5 GR	13,3	9,2	101	192
031150	YSLY-OZ 02X2,5 GR	7,98	7,7	48	115
030626	YSLY-OZ 03X2,5 GR	7,98	7,9	72	148
030629	YSLY-OZ 04X2,5 GR	7,98	8,9	96	236
030632	YSLY-OZ 05X2,5 GR	7,98	9,9	120	263

Table: Technical characteristics YSLY-JB

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
030865	YSLY-JB 03X0,5 GR	39	5	14,4	47
030866	YSLY-JB 04X0,5 GR	39	5,7	19,2	58
030867	YSLY-JB 05X0,5 GR	39	6,1	24	75
030612	YSLY-JB 03X0,75 GR	26	5,6	22	66
030616	YSLY-JB 04X0,75 GR	26	6,4	29	78
030620	YSLY-JB 05X0,75 GR	26	7	36	91
030613	YSLY-JB 03X1 GR	19,5	6,1	29	68
030617	YSLY-JB 04X1 GR	19,5	7	38,4	85
030621	YSLY-JB 05X1 GR	19,5	7,6	48	110
034843	YSLY-JB 10X1 GR	19,5	10,6	96	195
030614	YSLY-JB 03X1,5 GR	13,3	6,8	43,2	95
030618	YSLY-JB 04X1,5 GR	13,3	7,3	58	117
030622	YSLY-JB 05X1,5 GR	13,3	8,1	72	152
030615	YSLY-JB 03X2,5 GR	7,98	8,1	72	148
030619	YSLY-JB 04X2,5 GR	7,98	9,1	96	236
030623	YSLY-JB 05X2,5 GR	7,98	10,2	120	263
034217	YSLY-JB 07X2,5 GR	7,98	10,9	168	321

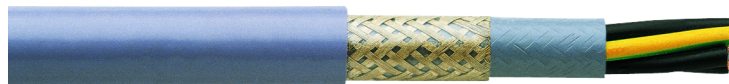
p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
031218	YSLY-JB 03X4 GR	4,95	10,4	115,2	235
030695	YSLY-JB 04X4 GR	4,95	10,6	154	299
030694	YSLY-JB 05X4 GR	4,95	12	192	363
034218	YSLY-JB 07X4 GR	4,95	16,8	269	484
031219	YSLY-JB 03X6 GR	3,3	12,2	172,8	415
030783	YSLY-JB 04X6 GR	3,3	12,7	230	480
030693	YSLY-JB 05X6 GR	3,3	14,2	288	583
034219	YSLY-JB 07X6 GR	3,3	19,1	403,2	638
031338	YSLY-JB 03X10 GR	1,91	15,8	288	682
030784	YSLY-JB 04X10 GR	1,91	16,5	384	737
031223	YSLY-JB 05X10 GR	1,91	18,5	480	914
034220	YSLY-JB 07X10 GR	1,91	23	672	1082
034221	YSLY-JB 03X16 GR	1,21	23,1	461	912
030785	YSLY-JB 04X16 GR	1,21	19,7	614	1087
031222	YSLY-JB 05X16 GR	1,21	21,8	768	1370
034222	YSLY-JB 03X25 GR	0,78	20,7	720	1388
030692	YSLY-JB 04X25 GR	0,78	23,4	960	1582
031221	YSLY-JB 05X25 GR	0,78	25,8	1200	1998
034223	YSLY-JB 03X35 GR	0,554	24,6	1008	1766
030786	YSLY-JB 04X35 GR	0,554	28,6	1344	2106
031220	YSLY-JB 05X35 GR	0,554	31,6	1680	2485
034224	YSLY-JB 03X50 GR	0,386	30,3	1440	2556
030787	YSLY-JB 04X50 GR	0,386	34,6	1920	2943
034225	YSLY-JB 05X50 GR	0,386	38,6	2400	3936
034226	YSLY-JB 03X70 GR	0,272	37,1	2016	3182
030788	YSLY-JB 04X70 GR	0,272	42,2	2688	4050
034227	YSLY-JB 05X70 GR	0,272	46,3	3360	5122
034228	YSLY-JB 03X95 GR	0,206	41,3	2736	4676
031339	YSLY-JB 04X95 GR	0,206	46,7	3648	5626
034229	YSLY-JB 05X95 GR	0,206	50,2	4560	6266
034230	YSLY-JB 03X120 GR	0,161	46,6	3456	5628
031340	YSLY-JB 04X120 GR	0,161	52,2	4608	6994
034231	YSLY-JB 04X150 GR	0,129	58,9	5760	7570
034232	YSLY-JB 04X185 GR	0,106	65,8	7104	9102

Table: Technical characteristics YSLY-OB

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
031017	YSLY-OB 02X0,5 GR	39	4,8	9,6	40
031013	YSLY-OB 03X0,5 GR	39	5,2	14,4	47
030637	YSLY-OB 02X0,75 GR	26	5,3	15	56
031314	YSLY-OB 03X0,75 GR	26	5,8	22	66
033440	YSLY-OB 04X0,75 GR	26	6,1	29	67,28
030638	YSLY-OB 02X1 GR	19,5	5,6	19,2	57
031426	YSLY-OB 03X1 GR	19,5	6,1	29	68
030639	YSLY-OB 02X1,5 GR	13,3	6,2	29	78
031427	YSLY-OB 03X1,5 GR	13,3	7,3	43,2	95
031224	YSLY-OB 02X2,5 GR	7,98	8,7	48	115
031810	YSLY-OB 02X4 GR	4,95	10,1	76,8	187
031313	YSLY-OB 03X4 GR	4,95	11,8	115,2	235

RI	conductor resistance
DA	outer diameter
Cu	copper
G	weight

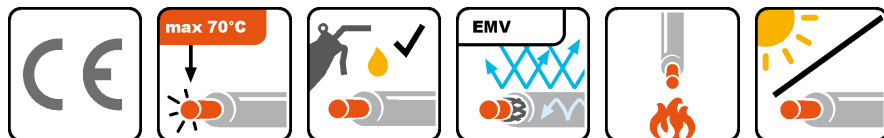
Screened control cable YSLYCY-JZ/-OZ/-JB



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC YI2
inner sheath:	PVC
screen:	Cu-braiding
screen coverage:	70 %
sheathing material:	PVC TM2
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	6 x DA
bending radius, moved application:	20 x DA

	YSLYCY-JZ	YSLYCY-OZ	YSLYCY-JB
nominal voltage U₀:	300 V	300 V	300 V
nominal voltage U:	500 V	500 V	500 V
test voltage:	2 kV	2 kV	2 kV
core identification:	gn-ye + numbers	numbers	colours acc. VDE 0293 (HD308)

Application: Flexible power, process control and instrumentation cable for industry and machinery environment with increased requirements to electromagnetic compatibility. The cable is resistant against most usual chemicals, oil and grease.



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Table: Technical characteristics YSLYCY-JZ

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035257	YSLYCY-JZ 04X0,5 GR	7,6	116	46,2
035258	YSLYCY-JZ 05X0,5 GR	8,1	139	55
035259	YSLYCY-JZ 18X0,5 GR	12,6	353	145,3
030421	YSLYCY-JZ 03X0,75 GR	7,7	145	69,2
030422	YSLYCY-JZ 04X0,75 GR	8,2	163	87
030436	YSLYCY-JZ 05X0,75 GR	9,4	183	95,1
030423	YSLYCY-JZ 07X0,75 GR	9,6	233	111
030437	YSLYCY-JZ 12X0,75 GR	12,5	384	180,2

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030438	YSLYCY-JZ 18X0,75 GR	14,1	492	243
030439	YSLYCY-JZ 25X0,75 GR	16,1	671	312
030440	YSLYCY-JZ 34X0,75 GR	18,2	822	413
030532	YSLYCY-JZ 42X0,75 GR	20	1002	445
030562	YSLYCY-JZ 50X0,75 GR	21,6	1154	535
030577	YSLYCY-JZ 61X0,75 GR	23,8	1435	619,8
030424	YSLYCY-JZ 03X1 GR	8,3	156	77
030425	YSLYCY-JZ 04X1 GR	8,6	178	97

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030443	YSLYCY-JZ 05X1 GR	9,3	209	108
030444	YSLYCY-JZ 07X1 GR	10,1	255	128,3
030445	YSLYCY-JZ 12X1 GR	13	426	210
030446	YSLYCY-JZ 18X1 GR	14,9	552	286
030447	YSLYCY-JZ 25X1 GR	17,2	766	388,5
030448	YSLYCY-JZ 34X1 GR	20	973	505
030533	YSLYCY-JZ 42X1 GR	21,5	1110	578
030449	YSLYCY-JZ 50X1 GR	23,5	1322	688
030563	YSLYCY-JZ 61X1 GR	25	1596	770
030426	YSLYCY-JZ 03X1,5 GR	9,1	200	102
030427	YSLYCY-JZ 04X1,5 GR	9,6	247	117
030420	YSLYCY-JZ 05X1,5 GR	10,6	304	146
030428	YSLYCY-JZ 07X1,5 GR	11,5	393	196
030451	YSLYCY-JZ 12X1,5 GR	14,8	615	280
030429	YSLYCY-JZ 18X1,5 GR	17,2	793	389
030430	YSLYCY-JZ 25X1,5 GR	20,8	1116	535
030452	YSLYCY-JZ 34X1,5 GR	23,3	1376	702
030453	YSLYCY-JZ 42X1,5 GR	24,6	1596	845
030454	YSLYCY-JZ 50X1,5 GR	26,5	1881	1006
030578	YSLYCY-JZ 61X1,5 GR	28,5	2246	1075
030431	YSLYCY-JZ 03X2,5 GR	10,6	211	148

Table: Technical characteristics YSLYCY-OZ

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031341	YSLYCY-OZ 02X0,75 GR	7,5	108	61,3
031599	YSLYCY-OZ 03X0,75 GR	7,9	145	69,2
035172	YSLYCY-OZ 04X0,75 GR	8,4	163	87
035173	YSLYCY-OZ 05X0,75 GR	8,8	183	95,1
031342	YSLYCY-OZ 02X1 GR	7,7	143	66,5
031746	YSLYCY-OZ 03X1 GR	8,3	156	77
035174	YSLYCY-OZ 05X1 GR	9,9	209	108
035175	YSLYCY-OZ 07X1 GR	10,5	255	128,3
035176	YSLYCY-OZ 12X1 GR	13,3	426	210

Table: Technical characteristics YSLYCY-JB

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031669	YSLYCY-JB 04X4 GR	12,7	320	290
031670	YSLYCY-JB 04X6 GR	15,7	470	360
031671	YSLYCY-JB 04X10 GR	19,2	740	535
031672	YSLYCY-JB 04X16 GR	22,9	1450	910
031673	YSLYCY-JB 04X25 GR	28,4	1520	1310
031674	YSLYCY-JB 04X35 GR	33,5	2010	1693
031675	YSLYCY-JB 04X50 GR	40,5	2840	2342

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030733	YSLYCY-JZ 04X2,5 GR	11,8	298	171,5
030534	YSLYCY-JZ 05X2,5 GR	12,9	326	213
030535	YSLYCY-JZ 07X2,5 GR	14	498	288
030579	YSLYCY-JZ 12X2,5 GR	18	796	477,3
030581	YSLYCY-JZ 18X2,5 GR	21,4	1080	572
035255	YSLYCY-JZ 25X2,5 GR	24,7	1320	780
031319	YSLYCY-JZ 04X4 GR	13,4	351	290
031312	YSLYCY-JZ 05X4 GR	14,6	480	328
034517	YSLYCY-JZ 03X6 GR	19,7	415	240
031336	YSLYCY-JZ 04X6 GR	15,4	553	360
031344	YSLYCY-JZ 05X6 GR	16,9	600	441
035059	YSLYCY-JZ 03X10 GR	17,4	628	371
031335	YSLYCY-JZ 04X10 GR	19,8	901	535
031345	YSLYCY-JZ 05X10 GR	21,8	1048	714
031320	YSLYCY-JZ 04X16 GR	22,5	1122	910
031346	YSLYCY-JZ 05X16 GR	25,6	1402	1050
031347	YSLYCY-JZ 04X25 GR	28,5	1699	1310
031348	YSLYCY-JZ 05X25 GR	31,9	2124	1486

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035177	YSLYCY-OZ 25X1 GR	18,1	766	388,5
035178	YSLYCY-OZ 34X1 GR	20,2	973	505
031343	YSLYCY-OZ 02X1,5 GR	8,2	189	86,4
031916	YSLYCY-OZ 03X1,5 GR	9	200	102
035179	YSLYCY-OZ 04X2,5 GR	12,5	298	171,5
035180	YSLYCY-OZ 04X4 GR	12,7	351	290

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031586	YSLYCY-JB 04X70 GR	47,5	3880	3090
031587	YSLYCY-JB 04X95 GR	53,2	5070	4060
031676	YSLYCY-JB 04X120 GR	55,2	6430	5299
031734	YSLYCY-JB 04X150 GR	70,1	7650	7033
031733	YSLYCY-JB 04X185 GR	62,1	9300	9023



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
sheathing material:	special PVC-compound
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature,	-20 - +70 °C
fixed:	
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	4 x DA

	YSLY-JZ 600	YSLY-OZ 600
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
test voltage:	4 kV	4 kV
core identification:	gn-ye + numbers	numbers

Application: Flexible power, process control and instrumentation cable for industry, machinery and outdoor environment. The cable is resistant against most usual chemicals, oil and grease.



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Table: Technical characteristics YSLY-JZ 600

p/n	part name	R _i [Ω/km]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
033581	YSLY-JZ 600 03X0,75	26	65,25	8,7	22	91
033582	YSLY-JZ 600 04X0,75	26	69	9,2	29	120
033583	YSLY-JZ 600 05X0,75	26	74,25	9,9	36	134
033585	YSLY-JZ 600 07X0,75	26	83,25	11,1	50,4	177
033589	YSLY-JZ 600 12X0,75	26	100,5	13,4	86,4	248
033592	YSLY-JZ 600 18X0,75	26	117	15,6	130	350
033595	YSLY-JZ 600 25X0,75	26	141,75	18,9	180	478
033597	YSLY-JZ 600 34X0,75	26	161,25	21,5	245	626
033601	YSLY-JZ 600 42X0,75	26	174,75	23,3	302,4	760
033602	YSLY-JZ 600 50X0,75	26	192	25,6	360	871
033603	YSLY-JZ 600 61X0,75	26	211,5	28,2	439,2	1060
033608	YSLY-JZ 600 03X1	19,5	67,5	9	29	98
033609	YSLY-JZ 600 04X1	19,5	72	9,6	38,4	110
033610	YSLY-JZ 600 05X1	19,5	78	10,4	48	136
033612	YSLY-JZ 600 07X1	19,5	90,75	12,1	67,2	179
033616	YSLY-JZ 600 12X1	19,5	108,75	14,5	115,2	287

p/n	part name	R _l [Ω/km]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
033619	YSLY-JZ 600 18X1	19,5	129,75	17,3	173	408
033623	YSLY-JZ 600 25X1	19,5	158,25	21,1	240	567
033626	YSLY-JZ 600 34X1	19,5	180	24	326,4	751
033633	YSLY-JZ 600 50X1	19,5	213,75	28,5	480	1076
033640	YSLY-JZ 600 03X1,5	13,3	75,75	10,1	43,2	122
033641	YSLY-JZ 600 04X1,5	13,3	81	10,8	58	150
033477	YSLY-JZ 600 05X1,5	13,3	87,75	11,7	72	176
032045	YSLY-JZ 600 07X1,5	13,3	101,25	13,5	101	192
033647	YSLY-JZ 600 12X1,5	13,3	124,5	16,6	173	363
031832	YSLY-JZ 600 18X1,5	13,3	147,75	19,7	259,2	520
033653	YSLY-JZ 600 25X1,5	13,3	179,25	23,9	360	740
033660	YSLY-JZ 600 61X1,5	13,3	276	36,8	878,4	1680
033665	YSLY-JZ 600 03X2,5	7,98	84,75	11,3	72	176
033666	YSLY-JZ 600 04X2,5	7,98	91,5	12,2	96	209
033478	YSLY-JZ 600 05X2,5	7,98	99,75	13,3	120	252
033667	YSLY-JZ 600 07X2,5	7,98	114	15,2	168	335
033669	YSLY-JZ 600 12X2,5	7,98	140,25	18,7	288	544
033671	YSLY-JZ 600 18X2,5	7,98	165	22	432	788
033673	YSLY-JZ 600 25X2,5	7,98	201,75	26,9	600	1101
033681	YSLY-JZ 600 04X4	4,95	105	14	154	311
033682	YSLY-JZ 600 05X4	4,95	114,75	15,3	192	398
033683	YSLY-JZ 600 07X4	4,95	126	16,8	269	524
033687	YSLY-JZ 600 04X6	3,3	117,75	15,7	230,4	429
033688	YSLY-JZ 600 05X6	3,3	134,25	17,9	288	602
033689	YSLY-JZ 600 07X6	3,3	147,75	19,7	403,2	802
033691	YSLY-JZ 600 04X10	1,91	146,25	19,5	384	759
033692	YSLY-JZ 600 05X10	1,91	172,5	23	480	927
033693	YSLY-JZ 600 07X10	1,91	187,5	25	672	1293
033695	YSLY-JZ 600 04X16	1,21	164,25	21,9	614,4	1093
033479	YSLY-JZ 600 05X16	1,21	202,5	27	768	1583
033696	YSLY-JZ 600 07X16	1,21	231	30,8	1075	1873
033698	YSLY-JZ 600 04X25	0,78	225	30	960	1593
033699	YSLY-JZ 600 05X25	0,78	253,5	33,8	1200	2040
033700	YSLY-JZ 600 07X25	0,78	372,75	49,7	1680	2850
033702	YSLY-JZ 600 04X35	0,554	247,5	33	1344	2390
033703	YSLY-JZ 600 05X35	0,554	276,75	36,9	1680	2887
033705	YSLY-JZ 600 04X50	0,386	300	40	1920	3400
033706	YSLY-JZ 600 05X50	0,386	315	42	2400	4361
033708	YSLY-JZ 600 04X70	0,272	345	46	2736	4750
033709	YSLY-JZ 600 05X70	0,272	352,5	47	3360	5807
033711	YSLY-JZ 600 04X95	0,206	309	41,2	3648	6007
033713	YSLY-JZ 600 04X120	0,161	487,5	65	4608	7483
033714	YSLY-JZ 600 04X150	0,129	502,5	67	5760	8640
033715	YSLY-JZ 600 04X185	0,106	510	68	7104	10380

Table: Technical characteristics YSLY-OZ 600

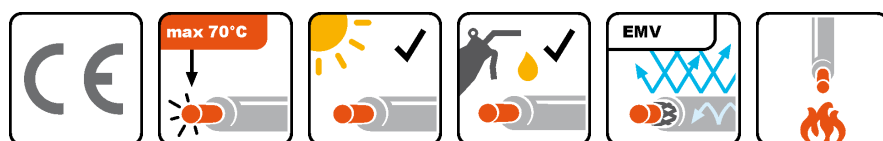
p/n	part name	R _l [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
033554	YSLY-OZ 600 02X0,5	39	7	9,6	66
033580	YSLY-OZ 600 02X0,75	26	8,3	14,4	81
034936	YSLY-OZ 600 03X0,75	29	8,7	22	91
033607	YSLY-OZ 600 02X1	19,5	8,6	19,2	84
033734	YSLY-OZ 600 03X1	19,5	9	29	98
033639	YSLY-OZ 600 02X1,5	13,3	9,6	29	103
033733	YSLY-OZ 600 03X1,5	13,3	10,1	43,2	122
033664	YSLY-OZ 600 02X2,5	7,98	10,8	48	152
034979	YSLY-OZ 600 03X2,5	7,98	10,1	72	175
034980	YSLY-OZ 600 04X2,5	7,98	12,2	96	182
033679	YSLY-OZ 600 02X4	4,95	11,4	77	178

RI	conductor resistance
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
inner sheath:	PVC
screen:	Cu-braiding
screen coverage:	70 %
sheathing material:	special PVC-compound
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-20 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA

	<i>YSLYCY-JZ 600</i>	<i>YSLYCY-OZ 600</i>
nominal voltage U₀:	600 V	600 V
nominal voltage U:	1 kV	1 kV
test voltage:	4 kV	kV
core identification:	gn-ye + numbers	numbers

Application: Flexible power, process control and instrumentation cable for industry and machinery environment with increased requirements to electromagnetic compatibility. The cable is resistant against UV-irradiation and most usual chemicals, oil and grease. For indoor and outdoor application.



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Table: Technical characteristics YSLYCY-JZ 600

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032061	YSLYCY-JZ 600 03X0,75 0,6/1 kV SW	9	155	57	033741	YSLYCY-JZ 600 25X0,75 0,6/1 kV SW	22,8	746	296
033195	YSLYCY-JZ 600 04X0,75 0,6/1 kV SW	11,4	214	68	033166	YSLYCY-JZ 600 03X1 0,6/1 kV SW	11,2	196	67
033196	YSLYCY-JZ 600 05X0,75 0,6/1 kV SW	12,1	250	79	033167	YSLYCY-JZ 600 04X1 0,6/1 kV SW	11,8	231	97
033197	YSLYCY-JZ 600 07X0,75 0,6/1 kV SW	13	319	97	033168	YSLYCY-JZ 600 05X1 0,6/1 kV SW	12,6	270	108
033198	YSLYCY-JZ 600 12X0,75 0,6/1 kV SW	15,8	437	169	032846	YSLYCY-JZ 600 07X1 0,6/1 kV SW	14,5	289	122
033199	YSLYCY-JZ 600 18X0,75 0,6/1 kV SW	18	588	229	033169	YSLYCY-JZ 600 12X1 0,6/1 kV SW	17,4	493	204

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033170	YSLYCY-JZ 600 18X1 0,6/1 kV SW	20,7	658	280
033171	YSLYCY-JZ 600 25X1 0,6/1 kV SW	24,8	870	369
032626	YSLYCY-JZ 600 03X1,5 0,6/1 kV SW	10,9	187	87
033173	YSLYCY-JZ 600 04X1,5 0,6/1 kV SW	12,2	265	104
032875	YSLYCY-JZ 600 05X1,5 0,6/1 kV SW	13,3	289	125
033174	YSLYCY-JZ 600 07X1,5 0,6/1 kV SW	16	416	180
033175	YSLYCY-JZ 600 12X1,5 0,6/1 kV SW	19,6	641	284
033176	YSLYCY-JZ 600 18X1,5 0,6/1 kV SW	23,4	872	391
033177	YSLYCY-JZ 600 25X1,5 0,6/1 kV SW	28,2	1211	521
036087	YSLYCY-JZ 600 33X1,5 0,6/1 kV SW	27,3	1203	623
033179	YSLYCY-JZ 600 03X2,5 0,6/1 kV SW	13,5	326	124
033180	YSLYCY-JZ 600 04X2,5 0,6/1 kV SW	14,6	379	170
033181	YSLYCY-JZ 600 05X2,5 0,6/1 kV SW	15,7	471	204
033182	YSLYCY-JZ 600 07X2,5 0,6/1 kV SW	17,9	590	268
033183	YSLYCY-JZ 600 12X2,5 0,6/1 kV SW	21,9	897	423
033184	YSLYCY-JZ 600 18X2,5 0,6/1 kV SW	26,1	1355	572
033185	YSLYCY-JZ 600 25X2,5 0,6/1 kV SW	31,9	1995	740
033201	YSLYCY-JZ 600 03X4 0,6/1 kV SW	15,1	391	191
033202	YSLYCY-JZ 600 04X4 0,6/1 kV SW	16,7	557	238
033203	YSLYCY-JZ 600 05X4 0,6/1 kV SW	18,6	695	303

Table: Technical characteristics YSLYCY-OZ 600

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033194	YSLYCY-OZ 600 02X0,75 0,6/1 kV SW	8,7	143	46
033165	YSLYCY-OZ 600 02X1 0,6/1 kV SW	10,8	174	52
033172	YSLYCY-OZ 600 02X1,5 0,6/1 kV SW	10,2	162	69

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033211	YSLYCY-JZ 600 07X4 0,6/1 kV SW	20	874	396
033204	YSLYCY-JZ 600 04X6 0,6/1 kV SW	18,7	723	319
033205	YSLYCY-JZ 600 05X6 0,6/1 kV SW	20,7	984	421
033209	YSLYCY-JZ 600 04X10 0,6/1 kV SW	21,9	1267	576
033210	YSLYCY-JZ 600 05X10 0,6/1 kV SW	24,1	1635	620
033218	YSLYCY-JZ 600 04X16 0,6/1 kV SW	26,4	1763	809
033219	YSLYCY-JZ 600 05X16 0,6/1 kV SW	28,8	2720	1050
033222	YSLYCY-JZ 600 04X25 0,6/1 kV SW	32,5	2750	1169
033223	YSLYCY-JZ 600 05X25 0,6/1 kV SW	35,7	3490	1486
033229	YSLYCY-JZ 600 04X35 0,6/1 kV SW	35,7	3497	1686
033230	YSLYCY-JZ 600 05X35 0,6/1 kV SW	40	4950	2023
033226	YSLYCY-JZ 600 04X50 0,6/1 kV SW	41,1	4937	2374
033227	YSLYCY-JZ 600 05X50 0,6/1 kV SW	44,6	7210	2890
033232	YSLYCY-JZ 600 04X70 0,6/1 kV SW	48	7480	3261
033233	YSLYCY-JZ 600 05X70 0,6/1 kV SW	52,5	9390	4100
033235	YSLYCY-JZ 600 04X95 0,6/1 kV SW	51,2	10220	4055
033238	YSLYCY-JZ 600 04X120 0,6/1 kV SW	58,1	13750	5231
033239	YSLYCY-JZ 600 04X150 0,6/1 kV SW	63,8	15990	6794
033240	YSLYCY-JZ 600 04X185 0,6/1 kV SW	71	18470	8104

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033178	YSLYCY-OZ 600 02X2,5 0,6/1 kV SW	11,5	272	99

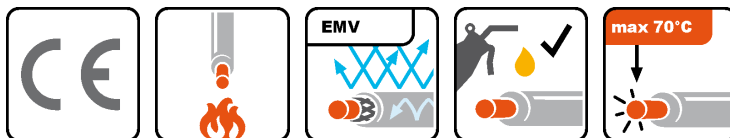
Lightweight screened control cable YSLCY-JZ/-OZ



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
screen:	Cu-braiding
screen coverage:	70 %
sheathing material:	PVC
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	10 x DA

	YSLCY-JZ	YSLCY-OZ
nominal voltage U₀:	300 V	300 V
nominal voltage U:	500 V	500 V
test voltage:	2 kV	2 kV
core identification:	gn-ye + numbers	numbers

Application: Optimized control and instrumentation cable for industry and machinery environment with increased requirements to electromagnetic compatibility. The inner sheath has been replaced by a separator tape, hence diameter, bending radius and weight are less. The cable is resistant against most usual chemicals, oil and grease.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics YSLCY-JZ

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033268	YSLCY-JZ 03X0,5 GR	6,1	57	43
033269	YSLCY-JZ 04X0,5 GR	6,5	72	49
033270	YSLCY-JZ 05X0,5 GR	7,1	86	57
033271	YSLCY-JZ 06X0,5 GR	7,4	89	66
033272	YSLCY-JZ 07X0,5 GR	7,9	119	69
033273	YSLCY-JZ 08X0,5 GR	8,5	124	80
033274	YSLCY-JZ 10X0,5 GR	9,7	142	93
033275	YSLCY-JZ 12X0,5 GR	10	183	117
033276	YSLCY-JZ 14X0,5 GR	10,4	190	122
033277	YSLCY-JZ 16X0,5 GR	11,2	210	129
033278	YSLCY-JZ 18X0,5 GR	11,9	248	156

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033279	YSLCY-JZ 20X0,5 GR	12,4	255	173
033280	YSLCY-JZ 21X0,5 GR	12,5	250	189
033281	YSLCY-JZ 24X0,5 GR	12,9	300	236
033282	YSLCY-JZ 25X0,5 GR	14,1	308	250
033283	YSLCY-JZ 30X0,5 GR	14,4	360	297
033284	YSLCY-JZ 32X0,5 GR	15,2	425	301
033285	YSLCY-JZ 34X0,5 GR	15,3	433	312
033286	YSLCY-JZ 36X0,5 GR	15,7	446	320
033287	YSLCY-JZ 40X0,5 GR	16,5	475	345
033288	YSLCY-JZ 41X0,5 GR	17,1	486	355
033289	YSLCY-JZ 50X0,5 GR	18,4	573	407

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033290	YSLCY-JZ 61X0,5 GR	19,8	653	580
033291	YSLCY-JZ 80X0,5 GR	21,9	784	690
033292	YSLCY-JZ 100X0,5 GR	24,3	995	814
033293	YSLCY-JZ 03X0,75 GR	6,5	69	50
033294	YSLCY-JZ 04X0,75 GR	7,1	88	61
033295	YSLCY-JZ 05X0,75 GR	7,8	120	72
033296	YSLCY-JZ 06X0,75 GR	8,1	113	87
033297	YSLCY-JZ 07X0,75 GR	8,6	153	98
033298	YSLCY-JZ 08X0,75 GR	9,4	145	110
033299	YSLCY-JZ 10X0,75 GR	10,7	192	140
033300	YSLCY-JZ 12X0,75 GR	11,1	220	151
033301	YSLCY-JZ 14X0,75 GR	11,4	225	167
033302	YSLCY-JZ 16X0,75 GR	12,1	275	183
033303	YSLCY-JZ 18X0,75 GR	12,9	306	211
033304	YSLCY-JZ 19X0,75 GR	13,2	308	221
033305	YSLCY-JZ 20X0,75 GR	13,6	336	238
033306	YSLCY-JZ 21X0,75 GR	13,8	380	246
033307	YSLCY-JZ 24X0,75 GR	15,5	425	270
033308	YSLCY-JZ 25X0,75 GR	15,6	431	280
033309	YSLCY-JZ 27X0,75 GR	15,8	435	287
033310	YSLCY-JZ 30X0,75 GR	16,1	450	315
033311	YSLCY-JZ 32X0,75 GR	17,1	488	333
033312	YSLCY-JZ 34X0,75 GR	17,8	521	370
033313	YSLCY-JZ 36X0,75 GR	17,9	535	375
033314	YSLCY-JZ 37X0,75 GR	18,1	592	386
033315	YSLCY-JZ 40X0,75 GR	18,3	613	395
033316	YSLCY-JZ 41X0,75 GR	18,4	622	411
033317	YSLCY-JZ 50X0,75 GR	20,8	777	480
033318	YSLCY-JZ 61X0,75 GR	23,7	900	555
033319	YSLCY-JZ 80X0,75 GR	27,4	1210	715
033320	YSLCY-JZ 100X0,75 GR	27,8	1445	910
032857	YSLCY-JZ 03X1 GR	7,4	100	76
033322	YSLCY-JZ 04X1 GR	7,6	117	80
032133	YSLCY-JZ 05X1 GR	7,8	127	92
033323	YSLCY-JZ 06X1 GR	8,5	144	105
033324	YSLCY-JZ 07X1 GR	9,1	178	120
032134	YSLCY-JZ 08X1 GR	9,9	197	133
033325	YSLCY-JZ 10X1 GR	12,1	235	151
033326	YSLCY-JZ 12X1 GR	12,4	275	186
033327	YSLCY-JZ 14X1 GR	13,1	302	198
033328	YSLCY-JZ 16X1 GR	13,7	346	218
032135	YSLCY-JZ 18X1 GR	13,9	380	271
033329	YSLCY-JZ 19X1 GR	14,2	412	260
033330	YSLCY-JZ 20X1 GR	15,8	468	305
033331	YSLCY-JZ 24X1 GR	16,2	493	345
033332	YSLCY-JZ 25X1 GR	18	607	360
033333	YSLCY-JZ 27X1 GR	16,2	562	360
033334	YSLCY-JZ 28X1 GR	16,7	595	370
033335	YSLCY-JZ 30X1 GR	17,4	643	397
033336	YSLCY-JZ 34X1 GR	20,6	746	454
033337	YSLCY-JZ 37X1 GR	21,1	790	485
033338	YSLCY-JZ 40X1 GR	21,2	835	510
033339	YSLCY-JZ 41X1 GR	21,4	843	521
033340	YSLCY-JZ 50X1 GR	24,2	1015	662
033341	YSLCY-JZ 61X1 GR	27,3	1205	710
033342	YSLCY-JZ 80X1 GR	27,6	1445	940

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033343	YSLCY-JZ 100X1 GR	28,8	1613	1180
033345	YSLCY-JZ 03X1,5 GR	7,7	115	90
033346	YSLCY-JZ 04X1,5 GR	8,3	149	110
032876	YSLCY-JZ 05X1,5 GR	9,4	180	125
033347	YSLCY-JZ 07X1,5 GR	10,7	230	152
033348	YSLCY-JZ 08X1,5 GR	11,9	244	172
033349	YSLCY-JZ 10X1,5 GR	13,4	313	201
033350	YSLCY-JZ 12X1,5 GR	13,5	354	268
033351	YSLCY-JZ 14X1,5 GR	13,7	383	272
033352	YSLCY-JZ 16X1,5 GR	14,3	424	285
033266	YSLCY-JZ 18X1,5 GR	15,8	523	373
033353	YSLCY-JZ 19X1,5 GR	16,3	508	390
033354	YSLCY-JZ 20X1,5 GR	16,5	570	407
033355	YSLCY-JZ 21X1,5 GR	16,9	560	424
033356	YSLCY-JZ 24X1,5 GR	19,7	690	448
033357	YSLCY-JZ 25X1,5 GR	20,3	722	530
033358	YSLCY-JZ 27X1,5 GR	20,5	774	513
033359	YSLCY-JZ 28X1,5 GR	20,8	810	525
033360	YSLCY-JZ 30X1,5 GR	21,1	838	572
033361	YSLCY-JZ 34X1,5 GR	21,3	950	683
033362	YSLCY-JZ 35X1,5 GR	21,4	890	645
033363	YSLCY-JZ 37X1,5 GR	21,8	945	693
033364	YSLCY-JZ 40X1,5 GR	22,5	1060	725
033365	YSLCY-JZ 41X1,5 GR	22,5	1071	734
033366	YSLCY-JZ 50X1,5 GR	26,7	1303	977
033367	YSLCY-JZ 61X1,5 GR	29,1	1705	1120
033368	YSLCY-JZ 80X1,5 GR	30	2010	1360
033369	YSLCY-JZ 100X1,5 GR	33,3	2505	1690
033371	YSLCY-JZ 03X2,5 GR	9,1	180	148
033372	YSLCY-JZ 04X2,5 GR	10,2	220	174
032136	YSLCY-JZ 05X2,5 GR	10,9	270	203
033373	YSLCY-JZ 07X2,5 GR	13,7	342	253
033374	YSLCY-JZ 10X2,5 GR	15,8	460	335
033375	YSLCY-JZ 12X2,5 GR	18,2	580	441
033376	YSLCY-JZ 18X2,5 GR	18,9	879	570
033378	YSLCY-JZ 03X4 GR	11,5	245	178
033379	YSLCY-JZ 04X4 GR	12,9	306	248
032137	YSLCY-JZ 05X4 GR	13,2	370	331
033380	YSLCY-JZ 07X4 GR	15,4	495	355
033382	YSLCY-JZ 03X6 GR	13,1	315	240
033383	YSLCY-JZ 04X6 GR	14,7	422	343
033384	YSLCY-JZ 05X6 GR	16,4	506	441
033385	YSLCY-JZ 07X6 GR	17,9	668	505
033387	YSLCY-JZ 03X10 GR	16,9	490	371
033388	YSLCY-JZ 04X10 GR	18,9	731	535
033389	YSLCY-JZ 05X10 GR	20,7	853	714
033390	YSLCY-JZ 07X10 GR	22,6	1291	820
033391	YSLCY-JZ 04X16 GR	20,8	993	809
033392	YSLCY-JZ 05X16 GR	22,9	1295	1050
033393	YSLCY-JZ 04X25 GR	26,2	1570	1165
033394	YSLCY-JZ 05X25 GR	29,4	1965	1440
033395	YSLCY-JZ 04X35 GR	30,4	2070	1576
033396	YSLCY-JZ 05X35 GR	33,8	2690	1930
033397	YSLCY-JZ 04X50 GR	34,6	3015	2155

Table: Technical characteristics YSLCY-OZ

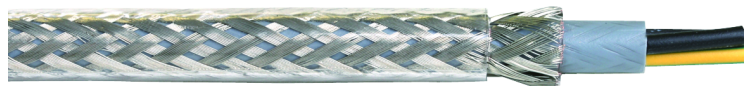
033267	YSLCY-OZ 02X0,5 GR	5,7	45	36
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p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032097	YSLCY-OZ 02X0,75 GR	6,2	57	43
032098	YSLCY-OZ 03X0,75 GR	6,5	66	53
032099	YSLCY-OZ 04X0,75 GR	7,1	89	62
032100	YSLCY-OZ 05X0,75 GR	7,8	126	73
032101	YSLCY-OZ 07X0,75 GR	8,6	156	98
033321	YSLCY-OZ 02X1 GR	6,7	76	55
033344	YSLCY-OZ 02X1,5 GR	7,3	93	65

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035186	YSLCY-OZ 18X1,5 GR	16,3	516	373
033370	YSLCY-OZ 02X2,5 GR	8,3	141	98
033377	YSLCY-OZ 02X4 GR	9,8	190	135
033381	YSLCY-OZ 02X6 GR	11,5	268	175
033386	YSLCY-OZ 02X10 GR	14,9	425	265

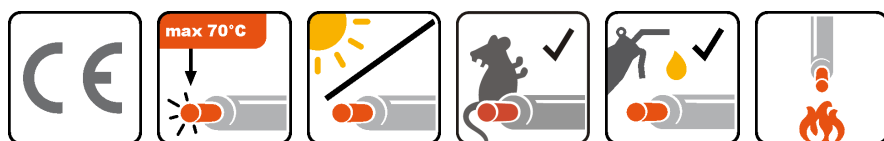
Steel wire braided control cable YSLYSY-JZ/-OZ



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC YI2
inner sheath:	PVC TM2
sheathing material:	PVC TM2
colour of outer sheath:	transparent
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	6 x DA
bending radius, moved application:	20 x DA

	YSLYSY-JZ	YSLYSY-OZ
nominal voltage U₀:	300 V	300 V
nominal voltage U:	500 V	500 V
core identification:	gn-ye + numbers	numbers

Application: Flexible, armoured power, process control and instrumentation cable for industry and mechanical engineering. The cable is resistant against most usual chemicals, oil and grease.



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Table: Technical characteristics YSLYSY-JZ

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033015	YSLYSY-JZ 03X0,5 TR	8,6	99	15
033016	YSLYSY-JZ 04X0,5 TR	9,1	111	19,2
033017	YSLYSY-JZ 05X0,5 TR	9,8	127	24
033018	YSLYSY-JZ 07X0,5 TR	11,2	157	34
033019	YSLYSY-JZ 10X0,5 TR	13,1	204	48
033020	YSLYSY-JZ 12X0,5 TR	13,9	230	58
033021	YSLYSY-JZ 14X0,5 TR	15,2	243	67
033022	YSLYSY-JZ 18X0,5 TR	15,8	324	86,4
033023	YSLYSY-JZ 21X0,5 TR	17	349	101
033024	YSLYSY-JZ 25X0,5 TR	19,3	413	120
033025	YSLYSY-JZ 30X0,5 TR	19,8	443	144
033026	YSLYSY-JZ 35X0,5 TR	20	502	168
033027	YSLYSY-JZ 40X0,5 TR	21,5	611	192

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033028	YSLYSY-JZ 42X0,5 TR	21,8	598	202
033029	YSLYSY-JZ 50X0,5 TR	22,8	695	240
033030	YSLYSY-JZ 61X0,5 TR	24,1	819	293
033031	YSLYSY-JZ 80X0,5 TR	27,3	1044	384
033032	YSLYSY-JZ 100X0,5 TR	27,8	1240	480
033035	YSLYSY-JZ 03X0,75 TR	8,5	110	22
031897	YSLYSY-JZ 04X0,75 TR	8,7	126	28,8
033036	YSLYSY-JZ 05X0,75 TR	10,9	164	36
033037	YSLYSY-JZ 07X0,75 TR	11,5	195	50,4
033038	YSLYSY-JZ 08X0,75 TR	13	232	58
033039	YSLYSY-JZ 09X0,75 TR	12,4	237	65
033040	YSLYSY-JZ 10X0,75 TR	14,8	276	72
032026	YSLYSY-JZ 12X0,75 TR	15,3	292	86

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033041	YSLYSY-JZ 15X0,75 TR	15,9	340	108
033042	YSLYSY-JZ 18X0,75 TR	17,5	378	130
033043	YSLYSY-JZ 21X0,75 TR	18,4	440	151
033044	YSLYSY-JZ 25X0,75 TR	20,3	523	180
033045	YSLYSY-JZ 32X0,75 TR	22,2	643	230
033046	YSLYSY-JZ 34X0,75 TR	19,8	655	245
033047	YSLYSY-JZ 41X0,75 TR	21	723	296
033048	YSLYSY-JZ 50X0,75 TR	27,5	866	360
033049	YSLYSY-JZ 61X0,75 TR	28,8	1014	439
033051	YSLYSY-JZ 03X1 TR	9,8	131	29
033052	YSLYSY-JZ 04X1 TR	10,2	161	38,4
031606	YSLYSY-JZ 05X1 TR	11,1	164	48
033053	YSLYSY-JZ 06X1 TR	12,1	223	58
033054	YSLYSY-JZ 07X1 TR	12,1	220	67
033055	YSLYSY-JZ 08X1 TR	13,5	261	77
033056	YSLYSY-JZ 09X1 TR	14,5	283	86
033057	YSLYSY-JZ 12X1 TR	15,6	347	115,2
033058	YSLYSY-JZ 14X1 TR	17,6	395	134,4
033059	YSLYSY-JZ 18X1 TR	18,3	426	173
033060	YSLYSY-JZ 20X1 TR	20,3	496	192
033061	YSLYSY-JZ 25X1 TR	21,6	616	240
033062	YSLYSY-JZ 34X1 TR	24	804	326,4
033063	YSLYSY-JZ 36X1 TR	24,5	856	346
033064	YSLYSY-JZ 41X1 TR	25,1	935	394
033065	YSLYSY-JZ 50X1 TR	25,6	1058	480
033066	YSLYSY-JZ 56X1 TR	26,2	1215	538
033067	YSLYSY-JZ 61X1 TR	29,5	1428	586
033068	YSLYSY-JZ 65X1 TR	29,8	1463	624
033069	YSLYSY-JZ 80X1 TR	31,2	1767	786
033070	YSLYSY-JZ 100X1 TR	35,8	1940	960
031984	YSLYSY-JZ 03X1,5 TR	10,1	102	43
031604	YSLYSY-JZ 04X1,5 TR		173	58
031605	YSLYSY-JZ 05X1,5 TR	10,8	202	72
033071	YSLYSY-JZ 06X1,5 TR	11,6	272	87
031710	YSLYSY-JZ 07X1,5 TR	12,5	248	101
033072	YSLYSY-JZ 08X1,5 TR	15,8	334	115,2
033073	YSLYSY-JZ 09X1,5 TR	15,9	357	130
033074	YSLYSY-JZ 10X1,5 TR	16,4	417	144
033075	YSLYSY-JZ 11X1,5 TR	16,6	409	158
031607	YSLYSY-JZ 12X1,5 TR	17,1	396	173
033076	YSLYSY-JZ 14X1,5 TR	18,6	494	202
033077	YSLYSY-JZ 18X1,5 TR	20,5	605	259,2
032634	YSLYSY-JZ 25X1,5 TR	20,9	752	360
033078	YSLYSY-JZ 32X1,5 TR	25,3	955	461
033079	YSLYSY-JZ 34X1,5 TR	26,7	1038	490
033080	YSLYSY-JZ 42X1,5 TR	30,8	1311	605
033081	YSLYSY-JZ 50X1,5 TR	32,3	1433	720
033082	YSLYSY-JZ 61X1,5 TR	33,5	1755	878,4

Table: Technical characteristics YSLYSY-OZ

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033014	YSLYSY-OZ 02X0,5 TR	8,3	89	10
033034	YSLYSY-OZ 02X0,75 TR	8,4	104	14,4
033050	YSLYSY-OZ 02X1 TR	9,1	115	19,2
032650	YSLYSY-OZ 02X1,5 TR	9,5	149	29

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033083	YSLYSY-JZ 80X1,5 TR	36,7	2258	1152
033084	YSLYSY-JZ 100X1,5 TR	41	2706	1440
033086	YSLYSY-JZ 03X2,5 TR	11,5	226	72
033087	YSLYSY-JZ 05X2,5 TR	13,7	324	120
031445	YSLYSY-JZ 04X2,5 TR	11,9	249	96
033088	YSLYSY-JZ 07X2,5 TR	15,2	399	168
033089	YSLYSY-JZ 12X2,5 TR	19,7	643	288
033090	YSLYSY-JZ 14X2,5 TR	18,9	750	336
033091	YSLYSY-JZ 18X2,5 TR	21,5	846	432
033092	YSLYSY-JZ 20X2,5 TR	22,6	1169	480
031937	YSLYSY-JZ 25X2,5 TR	25,5	1093	600
033093	YSLYSY-JZ 30X2,5 TR	26,7	1686	720
033094	YSLYSY-JZ 34X2,5 TR	28,7	1869	816
033095	YSLYSY-JZ 50X2,5 TR	34,3	2200	1200
033096	YSLYSY-JZ 61X2,5 TR	37,7	3000	1464
033097	YSLYSY-JZ 03X4 TR	13,7	321	117
031444	YSLYSY-JZ 04X4 TR	13,9	348	153,6
033098	YSLYSY-JZ 05X4 TR	16,3	470	192
033099	YSLYSY-JZ 07X4 TR	17,8	591	269
033100	YSLYSY-JZ 11X4 TR	22	1204	422
033101	YSLYSY-JZ 04X6 TR	17,1	531	230,4
033102	YSLYSY-JZ 05X6 TR	18,8	631	288
033103	YSLYSY-JZ 07X6 TR	20,7	770	403
033104	YSLYSY-JZ 04X10 TR	20,9	837	384
033105	YSLYSY-JZ 05X10 TR	23	993	480
033106	YSLYSY-JZ 07X10 TR	24,2	1281	672
033107	YSLYSY-JZ 04X16 TR	26,9	1396	614
033108	YSLYSY-JZ 05X16 TR	25,5	1740	768
033109	YSLYSY-JZ 07X16 TR	28	2165	1075
033110	YSLYSY-JZ 04X25 TR	32	1983	960
033111	YSLYSY-JZ 05X25 TR	37	2423	1200
033112	YSLYSY-JZ 04X35 TR	36	2550	1344
033113	YSLYSY-JZ 05X35 TR	41	3143	1680
033114	YSLYSY-JZ 04X50 TR	43	3502	1920
033115	YSLYSY-JZ 05X50 TR	43,2	4248	2400
033116	YSLYSY-JZ 04X70 TR	52	4795	2688
033117	YSLYSY-JZ 05X70 TR	53	5880	3360
033118	YSLYSY-JZ 04X95 TR	52	6330	3648
033119	YSLYSY-JZ 05X95 TR	56,4	8071	4560
033120	YSLYSY-JZ 04X120 TR	56,3	8170	4608
033121	YSLYSY-JZ 04X150 TR	63,5	9970	5760
031330	YSLYSY-JZ 07X0,75 GR		172	50,4
031331	YSLYSY-JZ 25X0,75 GR		465	180
031329	YSLYSY-JZ 04X1 GR		141	38,4
031431	YSLYSY-JZ 25X1 GR		548	240

DA	outer diameter
G	weight
Cu	copper

Harmonised control cable H05VV5-F acc. to EN 50525-2-51



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC TI2
sheathing material:	PVC TM5
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	4 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV
core identification:	gn-ye + numbers

Application: Flexible power, process control and instrumentation cable for industry and machinery environment. The cable is resistant against most usual chemicals, oil and grease.



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Table: Technical characteristics H05VV5-F

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
031478	H05VV5-F 03G0,5 GR	6,5	51	14,4	1500
031479	H05VV5-F 04G0,5 GR	7,1	62	19,2	875
031480	H05VV5-F 05G0,5 GR	7,7	75	24	2100
031481	H05VV5-F 07G0,5 GR	9,5	117	33,6	3500
031482	H05VV5-F 08G0,5 GR	10,1	134	38,4	1500
031483	H05VV5-F 12G0,5 GR	11,7	174	57,6	1750
031484	H05VV5-F 18G0,5 GR	13,6	248	86,4	2375
031485	H05VV5-F 21G0,5 GR	14,9	297	100,8	3000
031486	H05VV5-F 25G0,5 GR	16,7	348	120	
031487	H05VV5-F 30G0,5 GR	17,3	420	144	
031488	H05VV5-F 32G0,5 GR	17,9	448	153,6	
031489	H05VV5-F 34G0,5 GR	19,2	476	163,2	
031490	H05VV5-F 50G0,5 GR	22,3	650	240	
031491	H05VV5-F 52G0,5 GR	22,3	676	249,6	
031492	H05VV5-F 60G0,5 GR	23,6	753	288	

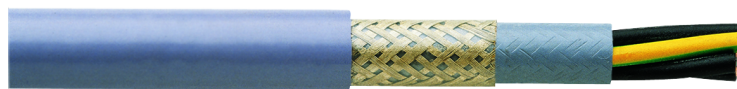
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
031493	H05VV5-F 03G0,75 GR	7,2	61	21,6	
031494	H05VV5-F 04G0,75 GR	7,8	75	28,8	
031495	H05VV5-F 05G0,75 GR	9	100	36	
031496	H05VV5-F 07G0,75 GR	10,5	141	50,4	2775
031497	H05VV5-F 09G0,75 GR	12,4	160	64,8	3600
031498	H05VV5-F 12G0,75 GR	13	214	86,4	1875
031499	H05VV5-F 15G0,75 GR	14,4	255	108	8750
031500	H05VV5-F 18G0,75 GR	15,1	306	129,6	
031501	H05VV5-F 25G0,75 GR	18,6	427	180	
031502	H05VV5-F 32G0,75 GR	20,6	555	230,4	
031503	H05VV5-F 34G0,75 GR	21,3	590	244,8	
031504	H05VV5-F 41G0,75 GR	22,8	699	295,2	9000
031505	H05VV5-F 42G0,75 GR	23	716	302,4	
031506	H05VV5-F 50G0,75 GR	24,8	807	360	
031507	H05VV5-F 52G0,75 GR	25	839	374,4	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
031508	H05VV5-F 60G0,75 GR	26,9	985	432	
031509	H05VV5-F 03G1 GR	7,4	71	28,8	
031510	H05VV5-F 04G1 GR	8	89	38,4	
031511	H05VV5-F 05G1 GR	9,2	116	48	
031512	H05VV5-F 07G1 GR	10,8	166	67,2	
031513	H05VV5-F 09G1 GR	12,7	209	86,4	
031514	H05VV5-F 12G1 GR	13,4	251	115,2	
031515	H05VV5-F 14G1 GR	14	297	134,4	
031516	H05VV5-F 18G1 GR	16,2	385	172,8	
031517	H05VV5-F 25G1 GR	19,8	534	240	
031518	H05VV5-F 32G1 GR	21,2	658	307,2	
031519	H05VV5-F 34G1 GR	22	700	326,4	
031520	H05VV5-F 41G1 GR	23,6	847	393,6	
031521	H05VV5-F 50G1 GR	26,2	993	480	
031522	H05VV5-F 52G1 GR	26,4	1010	499,2	
031523	H05VV5-F 56G1 GR	27	1087	537,6	
031524	H05VV5-F 60G1 GR	27,8	1165	576	1200
031525	H05VV5-F 03G1,5 GR	8	92	43,2	270
031526	H05VV5-F 04G1,5 GR	9,2	125	57,6	450
031527	H05VV5-F 05G1,5 GR	10	155	72	4275
031528	H05VV5-F 07G1,5 GR	12,2	227	100,8	
031529	H05VV5-F 09G1,5 GR	13,9	248	129,6	270
031530	H05VV5-F 12G1,5 GR	14,6	330	172,8	450
031531	H05VV5-F 14G1,5 GR	15,4	394	201,6	720

DA	outer diameter
G	weight
Cu	copper
Fzv	tensile strength (during installation)

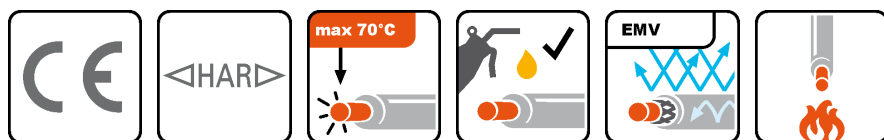
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
031532	H05VV5-F 18G1,5 GR	17,7	506	259,2	1125
031533	H05VV5-F 25G1,5 GR	21,6	700	360	1575
031534	H05VV5-F 32G1,5 GR	23,2	865	460,8	2250
031535	H05VV5-F 34G1,5 GR	24,1	920	489,6	3150
031536	H05VV5-F 42G1,5 GR	26,4	1120	604,8	4275
031537	H05VV5-F 50G1,5 GR	28,8	1320	720	5400
031538	H05VV5-F 52G1,5 GR	29	1352	748,8	
031539	H05VV5-F 60G1,5 GR	30,5	1560	864	
031972	H05VV5-F 61G1,5 GR	30,9	1639	878	
031540	H05VV5-F 03G2,5 GR	9,7	146	72	
031541	H05VV5-F 04G2,5 GR	11	196	96	
031542	H05VV5-F 05G2,5 GR	12,1	235	120	
031543	H05VV5-F 07G2,5 GR	14,2	343	168	
031544	H05VV5-F 12G2,5 GR	17,7	535	288	
031545	H05VV5-F 18G2,5 GR	21,3	800	432	
031546	H05VV5-F 25G2,5 GR	25,9	1100	600	
031547	H05VV5-F 32G2,5 GR	27,9	1350	768	
031548	H05VV5-F 34G2,5 GR	28,9	1436	816	
031549	H05VV5-F 42G2,5 GR	31,6	1753	1008	
031550	H05VV5-F 50G2,5 GR	34,4	2070	1200	
031551	H05VV5-F 52G2,5 GR	34,6	2180	1248	
031552	H05VV5-F 60G2,5 GR	37,1	2515	1440	

Harmonised control cable H05VVC4V5-K acc. to EN 50525-2-51



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC YI2
inner sheath:	PVC
screen:	Cu-braid, tinned
screen coverage:	70 %
sheathing material:	PVC TM2
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	6 x DA
bending radius, moved application:	20 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV

Application: Flexible power, process control and instrumentation cable for industry and machinery environment with increased requirements to electromagnetic compatibility. The cable is resistant against most usual chemicals, oil and grease.



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Table: Technical characteristics H05VVC4V5-K

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033868	H05VVC4V5-K 02X0,5 GR	8,1	90	32
033850	H05VVC4V5-K 03G0,5 GR	8,4	109	36
033869	H05VVC4V5-K 04G0,5 GR	9,1	126	58
033851	H05VVC4V5-K 05G0,5 GR	10,1	156	48
033870	H05VVC4V5-K 06G0,5 GR	10,7	176	58
033871	H05VVC4V5-K 07G0,5 GR	11,4	199	86
033874	H05VVC4V5-K 08G0,5 GR	12,5	211	72
033875	H05VVC4V5-K 09G0,5 GR	12,5	230	80
033852	H05VVC4V5-K 12G0,5 GR	13,5	280	105
033876	H05VVC4V5-K 14G0,5 GR	14,2	302	114

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033971	H05VVC4V5-K 18G0,5 GR	15,8	400	170
033972	H05VVC4V5-K 25G0,5 GR	18,6	554	268
033973	H05VVC4V5-K 27G0,5 GR	18,6	599	236
033974	H05VVC4V5-K 34G0,5 GR	20,8	649	298
033975	H05VVC4V5-K 36G0,5 GR	20,8	620	317
033976	H05VVC4V5-K 41G0,5 GR	23,1	770	349
033977	H05VVC4V5-K 42G0,5 GR	23,1	720	349
033978	H05VVC4V5-K 50G0,5 GR	25,1	966	470
033979	H05VVC4V5-K 61G0,5 GR	26,8	1122	530
033980	H05VVC4V5-K 65G0,5 GR	28,4	1198	563

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031453	H05VVC4V5-K 03G0,75 GR	9,1	125	55
031454	H05VVC4V5-K 04G0,75 GR	10,3	150	67
031455	H05VVC4V5-K 05G0,75 GR	11	180	79
031456	H05VVC4V5-K 07G0,75 GR	12,4	230	109
031457	H05VVC4V5-K 12G0,75 GR	15,2	310	184,5
031458	H05VVC4V5-K 18G0,75 GR	18,2	470	257,3
031459	H05VVC4V5-K 25G0,75 GR	21,5	640	318,6
031460	H05VVC4V5-K 03G1 GR	9,6	140	75
031461	H05VVC4V5-K 04G1 GR	10,7	170	86
031462	H05VVC4V5-K 05G1 GR	11,4	200	102
031463	H05VVC4V5-K 07G1 GR	12,9	230	127
031464	H05VVC4V5-K 12G1 GR	16,9	410	198
031465	H05VVC4V5-K 18G1 GR	19,4	550	303,6
031466	H05VVC4V5-K 25G1 GR	22,8	735	411,9
034937	H05VVC4V5-K 34G1 GR	24,1	920	500
034968	H05VVC4V5-K 36G1 GR	23,8	1001	511
034969	H05VVC4V5-K 48G1 GR	23,8	1270	656
034955	H05VVC4V5-K 50G1 GR	28,9	1290	736
034956	H05VVC4V5-K 65G1 GR	32,4	1510	914

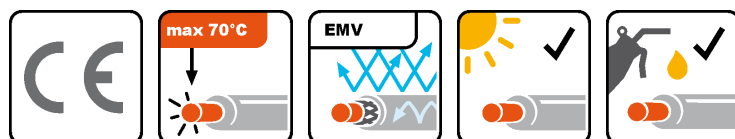
DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035853	H05VVC4V5-K 02X1,5 GR	11,6	143	69
031467	H05VVC4V5-K 03G1,5 GR	10,7	180	95
031468	H05VVC4V5-K 04G1,5 GR	11,5	200	116
031469	H05VVC4V5-K 05G1,5 GR	12,1	235	130
031470	H05VVC4V5-K 07G1,5 GR	14,1	330	218
031471	H05VVC4V5-K 12G1,5 GR	18	470	309,7
031472	H05VVC4V5-K 18G1,5 GR	20,8	680	411,4
031473	H05VVC4V5-K 25G1,5 GR	25	930	546,5
031741	H05VVC4V5-K 34G1,5 GR	26,3	1353	754
031474	H05VVC4V5-K 03G2,5 GR	12	240	148
031475	H05VVC4V5-K 04G2,5 GR	13,1	290	163
031476	H05VVC4V5-K 05G2,5 GR	14,2	340	200
031477	H05VVC4V5-K 07G2,5 GR	16,3	465	288,9
034737	H05VVC4V5-K 12G2,5 GR	24,3	748	517
034738	H05VVC4V5-K 18G2,5 GR	25,6	1051	598
034739	H05VVC4V5-K 25G2,5 GR	29,3	1380	897



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	polyethylene
screen:	aluminium-foil + copper-braiding, tinned
screen coverage:	75 %
sheathing material:	PVC, enforced
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: The cable has been developed for connecting motors to inverse rectifiers under consideration of EMC-requirements. It may be used under medium mechanical stress for fixed installations and temporary movement. Also for outdoor installation, but not for direct burial. The cable is resistant against most usual oil and grease.



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bending radii

installation	< 12 mm	12-20 mm	> 20 mm
fixed installation	5D	7,5D	10D
free movement	10D	15D	20D

Table: Technical characteristics 2YSL(St)CYv

p/n	part name	R _I [Ω/km]	I _{BI} [A]	D _A [mm]	Cu [kg/km]	G [kg]
031993	FACAB EMV 2YSL(St)CYv- JB 03X1,5 + 03G0,25 0,6/1 kV SW	13,3	18	10,2	86	140
031994	FACAB EMV 2YSL(St)CYv- JB 03X2,5 + 03G0,5 0,6/1 kV SW	7,98	26	11,4	144	220

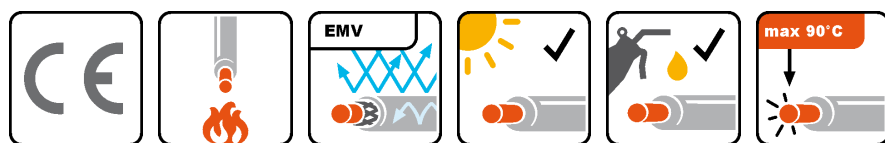
p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
031995	FACAB EMV 2YSL(St)CYv- JB 03X4 + 03G0,75 0,6/1 kV SW	4,95	34	13,1	224	323
031996	FACAB EMV 2YSL(St)CYv- JB 03X6 + 03G1 0,6/1 kV SW	3,3	44	14,9	298	420
031871	FACAB EMV 2YSL(St)CYv- JB 03X10 + 03G1,5 0,6/1 kV SW	1,91	61	18,4	511	615
031997	FACAB EMV 2YSL(St)CYv- JB 03X16 + 03G2,5 0,6/1 kV SW	7,98	82	21,6	723	819
031870	FACAB EMV 2YSL(St)CYv- JB 03X25 + 03G4 0,6/1 kV SW	4,95	108	25,3	1204	1402
031998	FACAB EMV 2YSL(St)CYv- JB 03X35 + 03G6 0,6/1 kV SW	0,554	135	27,8	1535	1718
031999	FACAB EMV 2YSL(St)CYv- JB 03X50 + 03G10 0,6/1 kV SW	0,386	168	32,6	2208	2399
031869	FACAB EMV 2YSL(St)CYv- JB 03X70 + 03G10 0,6/1 kV SW	0,272	207	38,9	2980	3173
032000	FACAB EMV 2YSL(St)CYv- JB 03X95 + 03G16 0,6/1 kV SW	0,206	250	44,3	3953	4162
031868	FACAB EMV 2YSL(St)CYv- JB 03X120 + 03G16 0,6/1 kV SW	0,161	292	46,8	5007	5253
032001	FACAB EMV 2YSL(St)CYv- JB 03X150 + 03G25 0,6/1 kV SW	0,129	335	53,5	5412	6128
032002	FACAB EMV 2YSL(St)CYv- JB 03X185 + 03G35 0,6/1 kV SW	0,106	382	59,5	6969	7450
032130	FACAB EMV 2YSL(St)CYv- JB 03X240 + 03G50 0,6/1 kV SW	0,0801	453	70	9123	10800
032928	FACAB EMV 2YSL(St)CYv- JB 03X300 + 03G70 0,6/1 kV SW	0,0641	523	74	11965	13760
031719	FACAB EMV 2YSL(St)CYv- JB 04X1,5 0,6/1 kV SW	13,3	18	10,4	95	154
031720	FACAB EMV 2YSL(St)CYv- JB 04X2,5 0,6/1 kV SW	7,98	26	12,3	150	229
031721	FACAB EMV 2YSL(St)CYv- JB 04X4 0,6/1 kV SW	4,95	34	14,5	235	339
031712	FACAB EMV 2YSL(St)CYv- JB 04X6 0,6/1 kV SW	3,3	44	16,8	320	451
031722	FACAB EMV 2YSL(St)CYv- JB 04X10 0,6/1 kV SW	1,91	61	19,7	533	667
031723	FACAB EMV 2YSL(St)CYv- JB 04X16 0,6/1 kV SW	7,98	82	22	789	892
031724	FACAB EMV 2YSL(St)CYv- JB 04X25 0,6/1 kV SW	4,95	108	27	1236	1440
031713	FACAB EMV 2YSL(St)CYv- JB 04X35 0,6/1 kV SW	0,554	135	30,3	1663	1861
031725	FACAB EMV 2YSL(St)CYv- JB 04X50 0,6/1 kV SW	0,386	168	35	2345	2547
031727	FACAB EMV 2YSL(St)CYv- JB 04X70 0,6/1 kV SW	0,272	207	39,4	3196	3404
031714	FACAB EMV 2YSL(St)CYv- JB 04X95 0,6/1 kV SW	0,206	250	46	4316	4888

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
031728	FACAB EMV 2YSL(St)CYv- JB 04X120 0,6/1 kV SW	0,161	292	51,4	5435	5703
031715	FACAB EMV 2YSL(St)CYv- JB 04X150 0,6/1 kV SW	0,129	335	58,8	6394	7040
031729	FACAB EMV 2YSL(St)CYv- JB 04X185 0,6/1 kV SW	0,106	382	61,1	8203	9150
031730	FACAB EMV 2YSL(St)CYv- JB 04X240 0,6/1 kV SW	0,0801	453	70	11008	12500
032929	FACAB EMV 2YSL(St)CYv- JB 04X300 0,6/1 kV SW	0,0641	523		13485	15508

RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	XLPE
covering of strand:	Plastic-foil
screen:	aluminium-foil + copper-braiding, tinned
screen coverage:	75 %
sheathing material:	PVC, enforced
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	10 x DA
bending radius, moved application:	20 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	3 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: The cable has been developed for connecting motors to inverse rectifiers under consideration of EMC-requirements. It may be used under medium mechanical stress for fixed installations and temporary movement. Also for outdoor installation, but not for direct burial. The cable is resistant against most usual oil and grease.



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Table: Technical characteristics 2XSL(St)CYv

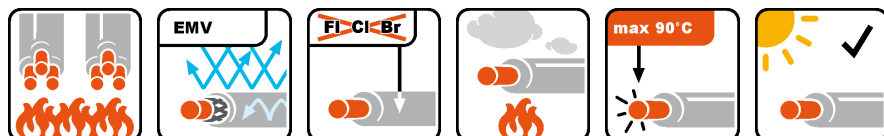
p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
034455	FACAB EMV 2XSL(St)CYv-JB 04X1,5 0,6/1 kV SW	13,3	23	11	95	230
034456	FACAB EMV 2XSL(St)CYv-JB 04X2,5 0,6/1 kV SW	7,98	32	12,5	150	300
034457	FACAB EMV 2XSL(St)CYv-JB 04X4 0,6/1 kV SW	4,95	42	15,5	238	390
034458	FACAB EMV 2XSL(St)CYv-JB 04X6 0,6/1 kV SW	3,3	54	17,5	320	420
034459	FACAB EMV 2XSL(St)CYv-JB 04X10 0,6/1 kV SW	1,91	61	22,5	533	820

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
035909	FACAB EMV 2XSL(St)CYv-JB 04X35 0,6/1 kV SW	0,554	155	30,3	1663	1861
034460	FACAB EMV 2XSL(St)CYv-JB 03X16 + 03G2,5 0,6/1 kV SW	1,21	100	22,5	723	820
034461	FACAB EMV 2XSL(St)CYv-JB 03X25 + 03G4 0,6/1 kV SW	0,78	125	26	1204	1150
034462	FACAB EMV 2XSL(St)CYv-JB 03X35 + 03G6 0,6/1 kV SW	0,554	155	29,5	1535	1718
034463	FACAB EMV 2XSL(St)CYv-JB 03X50 + 03G10 0,6/1 kV SW	0,386	190	35	2208	2400
034464	FACAB EMV 2XSL(St)CYv-JB 03X70 + 03G10 0,6/1 kV SW	0,272	245	38,5	2980	3100
034465	FACAB EMV 2XSL(St)CYv-JB 03X95 + 03G16 0,6/1 kV SW	0,206	300	44	3953	4200
034466	FACAB EMV 2XSL(St)CYv-JB 03X120 + 03G16 0,6/1 kV SW	0,161	345	48	5007	5253
034467	FACAB EMV 2XSL(St)CYv-JB 03X150 + 03G25 0,6/1 kV SW	0,129	400	53	5488	5880
034468	FACAB EMV 2XSL(St)CYv-JB 03X185 + 03G35 0,6/1 kV SW	0,106	455	58	6969	7200
034469	FACAB EMV 2XSL(St)CYv-JB 03X240 + 03G50 0,6/1 kV SW	0,0801	540	66	9123	10072
034470	FACAB EMV 2XSL(St)CYv-JB 03X300 + 03G50 0,6/1 kV SW	0,0641		73	10690	11530

RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	XLPE
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	FRNC-compound HM1
colour of outer sheath:	black
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
halogen free:	DIN EN 50267/IEC 60754
ozone resistant:	yes
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-5 - +90 °C
temperature, moved/during installation:	-5 - +90 °C
bending radius, fixed installation:	10 x DA
bending radius, moved application:	20 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: Halogen free and flame retardant cable connecting motors to inverse rectifiers under consideration of EMC-requirements. It may be used under medium mechanical stress for fixed installations and temporary movement. Also for outdoor installation, but not for direct burial.



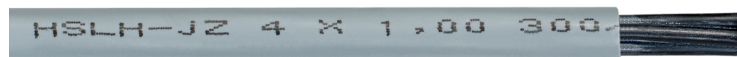
The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics 2XSL(St)CH

p/n	part name	R _I [Ω/km]	I _{bI} [A]	D _A [mm]	Cu [kg/km]	G [kg]
035325	2XSL(St)CH-JB 03X16 + 03G2,5 0,6/1 kV	1,21	100	22,5	723	820
035663	2XSL(St)CH-JB 03X25 + 03G4 0,6/1 kV	0,78	125	26	1204	1318
035664	2XSL(St)CH-JB 03X35 + 03G6 0,6/1 kV	0,554	155	29,5	1535	1718
035665	2XSL(St)CH-JB 03X50 + 03G10 0,6/1 kV	0,386	190	35	2208	2400
035520	2XSL(St)CH-JB 03X70 + 03G10 0,6/1 kV	0,272	245	38,5	2980	3100
035521	2XSL(St)CH-JB 03X95 + 03G16 0,6/1 kV	0,206	300	44	3953	4200
035666	2XSL(St)CH-JB 03X120 + 03G16 0,6/1 kV	0,161	345	48	5007	5253

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
035657	2XSL(St)CH-JB 03X150+ 03G25 0,6/1 kV	0,129	400	53	5488	5880
035667	2XSL(St)CH-JB 03X185 + 03G35 0,6/1 kV	0,106	455	58	6969	7200
035668	2XSL(St)CH-JB 03X240 + 03G50 0,6/1 kV	0,0801	540	66	9123	9600
035659	2XSL(St)CH-JB 04X1,5 0,6/1 kV	13,3	23	11	95	230
035254	2XSL(St)CH-JB 04X2,5 0,6/1 kV	7,98	38	12,5	150	300
035660	2XSL(St)CH-JB 04X4 0,6/1 kV	4,95	42	15,5	238	390
035661	2XSL(St)CH-JB 04X6 0,6/1 kV	3,3	54	17,5	320	420
035662	2XSL(St)CH-JB 04X10 0,6/1 kV	1,91	61	19,5	533	780

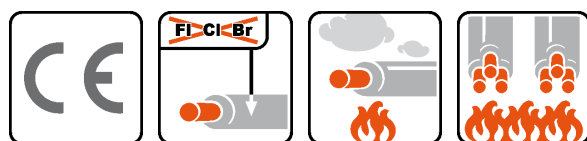
RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	FRNC-compound HI2
sheathing material:	FRNC-compound HM2
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA

	<i>HSLH-JZ</i>	<i>HSLH-OZ</i>	<i>HSLH-JB</i>
nominal voltage U₀:	300 V	300 V	300 V
nominal voltage U:	500 V	500 V	500 V
test voltage:	2 kV	2 kV	2 kV
core identification:	gn-ye + numbers	numbers	colours acc. VDE 0293 (HD308)

Application: Halogen free and LSOH control cable for multiple purposes in control and measurement circuits. The cable is to a large extent resistant against oil and grease.



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Table: Technical characteristics HSLH-JZ

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
036155	HSLH-JZ 03X0,5 GR	5,7	43	39,2	
036156	HSLH-JZ 04X0,5 GR	6,2	54	46,1	
036157	HSLH-JZ 05X0,5 GR	6,6	65	52,1	
036158	HSLH-JZ 07X0,5 GR	7,2	82	68,3	
036159	HSLH-JZ 10X0,5 GR	9,1	119	98	
036160	HSLH-JZ 10X0,75 GR	10,1	162	72	
031620	HSLH-JZ 03X0,75 GR	6	66	22	375
031621	HSLH-JZ 04X0,75 GR	6,5	78	29	
031622	HSLH-JZ 05X0,75 GR	7	91	36	
031623	HSLH-JZ 07X0,75 GR	7,5	124	50,4	
031624	HSLH-JZ 12X0,75 GR	10,2	191	86,4	
031625	HSLH-JZ 18X0,75 GR	11,9	283	130	
031626	HSLH-JZ 25X0,75 GR	14,6	388	180	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
032945	HSLH-JZ 34X0,75 GR	16,4	641	245	
032946	HSLH-JZ 37X0,75 GR	17,2	795	260	
032947	HSLH-JZ 41X0,75 GR	17,6	800	296	
032948	HSLH-JZ 42X0,75 GR	17,8	715	302	
032949	HSLH-JZ 50X0,75 GR	19,8	815	360	7500
032950	HSLH-JZ 61X0,75 GR	20,9	1028	439	6000
031627	HSLH-JZ 03X1 GR	6,4	68	29	
031628	HSLH-JZ 04X1 GR	7	85	38,4	
031629	HSLH-JZ 05X1 GR	7,8	110	48	
031630	HSLH-JZ 07X1 GR	8,1	148	67	
032951	HSLH-JZ 08X1 GR	9,4	200	77	
032953	HSLH-JZ 10X1 GR	10,4	245	96	
031631	HSLH-JZ 12X1 GR	11,1	232	115,2	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
032954	HSLH-JZ 16X1 GR	12	363	154	
031632	HSLH-JZ 18X1 GR	13,4	328	173	
032955	HSLH-JZ 20X1 GR	13,5	438	192	
031633	HSLH-JZ 25X1 GR	16,2	531	240	
032956	HSLH-JZ 34X1 GR	17,4	688	326	
032957	HSLH-JZ 37X1 GR	18,4	833	355	
032958	HSLH-JZ 41X1 GR	18,9	925	394	
032959	HSLH-JZ 42X1 GR	18,9	835	403	
032960	HSLH-JZ 50X1 GR	21	978	480	
032961	HSLH-JZ 61X1 GR	22,2	1140	586	
032962	HSLH-JZ 65X1 GR	22,8	1304	628	
031634	HSLH-JZ 03X1,5 GR	7,3	95	43,2	
031635	HSLH-JZ 04X1,5 GR	7,8	117	58	
031636	HSLH-JZ 05X1,5 GR	8,9	152	72	
031637	HSLH-JZ 07X1,5 GR	9,8	192	101	
032964	HSLH-JZ 08X1,5 GR	10,6	278	115	
032965	HSLH-JZ 10X1,5 GR	11,7	309	144	
031638	HSLH-JZ 12X1,5 GR	13,2	312	173	
032966	HSLH-JZ 16X1,5 GR	13,8	415	230	
031639	HSLH-JZ 18X1,5 GR	15,9	456	259,2	
032967	HSLH-JZ 20X1,5 GR	15,2	585	288	
031640	HSLH-JZ 25X1,5 GR	19,2	638	360	
032968	HSLH-JZ 34X1,5 GR	19,8	890	490	3600
032969	HSLH-JZ 37X1,5 GR	20,2	1140	533	4500
032970	HSLH-JZ 50X1,5 GR	23,7	1410	720	1875
032971	HSLH-JZ 61X1,5 GR	25,3	1630	878	
032972	HSLH-JZ 65X1,5 GR	26	1810	936	
031648	HSLH-JZ 03X2,5 GR	9	148	72	
031649	HSLH-JZ 04X2,5 GR	10	236	96	
031650	HSLH-JZ 05X2,5 GR	11	263	120	
031651	HSLH-JZ 07X2,5 GR	12,7	298	168	
032973	HSLH-JZ 08X2,5 GR	13,2	378	192	
032974	HSLH-JZ 10X2,5 GR	14,7	444	240	
031645	HSLH-JZ 12X2,5 GR	16,5	522	288	
032975	HSLH-JZ 16X2,5 GR	17,5	730	384	
031646	HSLH-JZ 18X2,5 GR	18,4	749	432	
032976	HSLH-JZ 20X2,5 GR	18,7	1070	480	
031647	HSLH-JZ 25X2,5 GR	23,8	1024	600	
032977	HSLH-JZ 30X2,5 GR	23,7	1280	720	

Table: Technical characteristics HSLH-OZ

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
034935	HSLH-OZ 02X0,5 GR	5,1	38	9,6
032885	HSLH-OZ 02X0,75 GR	5,5	33	14,4
032952	HSLH-OZ 02X1 GR	5,7	58	19,2
032963	HSLH-OZ 02X1,5 GR	6,3	87	29
032939	HSLH-OZ 02X2,5 GR	7,7	124	48
032978	HSLH-OZ 02X4 GR	9,8	195	77

Table: Technical characteristics HSLH-JB

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035111	HSLH-JB 03X1,5 GR	8,6	111	44
035112	HSLH-JB 05X1,5 GR	10,6	183	72
035113	HSLH-JB 03X2,5 GR	10,5	183	72

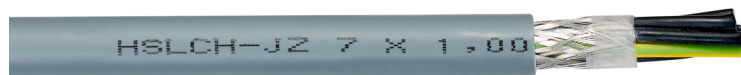
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
031660	HSLH-JZ 03X4 GR	11,8	235	115,2	
032654	HSLH-JZ 04X4 GR	11,7	305	154	
031661	HSLH-JZ 05X4 GR	13,2	363	192	
032979	HSLH-JZ 07X4 GR	16	468	269	
032980	HSLH-JZ 08X4 GR	17,8	603	307	
032981	HSLH-JZ 10X4 GR	19,6	798	384	
032982	HSLH-JZ 12X4 GR	20,2	984	461	
032983	HSLH-JZ 16X4 GR	22,8	1350	614	
032986	HSLH-JZ 03X6 GR	12,7	390	173	
032655	HSLH-JZ 04X6 GR	14,1	465	230,4	
031662	HSLH-JZ 05X6 GR	16,5	583	288	
032987	HSLH-JZ 07X6 GR	17,6	782	403,2	
032989	HSLH-JZ 03X10 GR	16,2	750	288	
032990	HSLH-JZ 04X10 GR	18	746	384	
032991	HSLH-JZ 05X10 GR	19,8	917	480	
032992	HSLH-JZ 07X10 GR	22,5	1283	672	
032994	HSLH-JZ 03X16 GR	18,7	998	461	
032995	HSLH-JZ 04X16 GR	20,6	1089	614	
032996	HSLH-JZ 05X16 GR	23,5	1285	768	
032997	HSLH-JZ 07X16 GR	26,2	1835	1075	
032998	HSLH-JZ 03X25 GR	24,5	1238	720	
031663	HSLH-JZ 04X25 GR	26	1582	960	
032999	HSLH-JZ 05X25 GR	30,8	1920	1200	
033000	HSLH-JZ 03X35 GR	29,8	1664	1008	
033001	HSLH-JZ 04X35 GR	33,7	1980	1344	
033002	HSLH-JZ 05X35 GR	37,7	2765	1680	
033003	HSLH-JZ 03X50 GR	33,8	2678	1440	
033004	HSLH-JZ 04X50 GR	38	2824	1920	
033005	HSLH-JZ 05X50 GR	42,1	4133	2400	
033006	HSLH-JZ 03X70 GR	40,2	3339	2016	
033007	HSLH-JZ 04X70 GR	44,2	4295	2688	
033008	HSLH-JZ 05X70 GR	48,5	5715	3360	
033009	HSLH-JZ 03X95 GR	46,6	4914	2736	
033010	HSLH-JZ 04X95 GR	51,2	5817	3648	
033011	HSLH-JZ 05X95 GR	56,3	7278	4560	
033012	HSLH-JZ 03X120 GR	49,8	5515	3456	
033013	HSLH-JZ 04X120 GR	54,8	7350	4608	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032985	HSLH-OZ 02X6 GR	12	258	115,2
032988	HSLH-OZ 02X10 GR	15	490	192
032993	HSLH-OZ 02X16 GR	17,3	665	307

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
036461	HSLH-JB 05X2,5 GR		263	120

DA	outer diameter
G	weight
Cu	copper
Fzv	tensile strength (during installation)

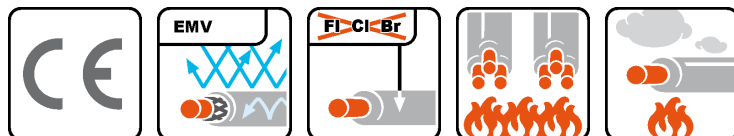
Screened FRNC control cable HSLCH-JZ/-OZ/-JB



conductor material:	bare copper strand
conductor construction:	fine stranded, class 5
insulation:	FRNC-compound HI2
covering of strand:	Plastic-foil
screen:	Cu-braid, tinned
screen coverage:	70 %
sheathing material:	FRNC-compound HM2
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	yes
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA

	<i>HSLCH-JZ</i>	<i>HSLCH-OZ</i>
nominal voltage U₀:	300 V	300 V
nominal voltage U:	500 V	500 V
test voltage:	2 kV	2 kV
core identification:	gn-ye + numbers	numbers

Application: LSOH control cable for multiple purposes in control and measurement circuits with increased requirements to electromagnetic compatibility. For indoor use only. The cable is to a large extent resistant against oil and grease.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics HSLCH-JZ

p/n	part name	R _I [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
032741	HSLCH-JZ 03X0,5 GR	39	6	6,2	50	55
032742	HSLCH-JZ 04X0,5 GR	39	6	6,6	55	66
032743	HSLCH-JZ 05X0,5 GR	39	6	7,2	66	80
032744	HSLCH-JZ 07X0,5 GR	39	6	8,6	80,5	108
036161	HSLCH-JZ 10X0,5 GR	39	6	56,1	94,3	8453
032745	HSLCH-JZ 12X0,5 GR	39	6	9,9	139	162

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
032746	HSLCH-JZ 18X0,5 GR	39	6	11,9	156,2	227
032747	HSLCH-JZ 25X0,5 GR	39	6	13,7	250	317
032749	HSLCH-JZ 03X0,75 GR	26	12	6,7	58	70
032750	HSLCH-JZ 04X0,75 GR	26	12	8	64	80
032751	HSLCH-JZ 05X0,75 GR	26	12	8,3	77,4	100
032752	HSLCH-JZ 07X0,75 GR	26	12	9,5	102	133
036162	HSLCH-JZ 10X0,75 GR	26	12	56,1	140	8453
032753	HSLCH-JZ 12X0,75 GR	26	12	11,3	177	203
032159	HSLCH-JZ 18X0,75 GR	26	12	14,8	245	284
032160	HSLCH-JZ 25X0,75 GR	26	12	15,8	276	380
032755	HSLCH-JZ 03X1 GR	19,5	15	6,9	65,3	80
032756	HSLCH-JZ 04X1 GR	19,5	15	7,5	78,1	98
032757	HSLCH-JZ 05X1 GR	19,5	15	8,5	91	121
032758	HSLCH-JZ 07X1 GR	19,5	15	9,9	117	160
036163	HSLCH-JZ 10X1 GR	19,5	12	56,1	156	8453
032759	HSLCH-JZ 12X1 GR	19,5	15	11,7	188	245
032760	HSLCH-JZ 18X1 GR	19,5	15	13,9	286	376
032761	HSLCH-JZ 25X1 GR	19,5	15	16,4	389	502
031889	HSLCH-JZ 03X1,5 GR	13,3	18	7,5	77	119
031867	HSLCH-JZ 04X1,5 GR	13,3	18	8,2	96,2	125
031860	HSLCH-JZ 05X1,5 GR	13,3	18	8,9	125	182
031890	HSLCH-JZ 07X1,5 GR	13,3	18	11,3	159	232
036164	HSLCH-JZ 10X1,5 GR	13,3	18	56,1	216,3	8453
031891	HSLCH-JZ 12X1,5 GR	13,3	18	13	254,5	360
031892	HSLCH-JZ 18X1,5 GR	13,3	18	15,6	367,7	507
031893	HSLCH-JZ 25X1,5 GR	13,3	18	19,1	492,4	694
032763	HSLCH-JZ 03X2,5 GR	7,98	26	9,5	149	160
031819	HSLCH-JZ 04X2,5 GR	7,98	26	10	174,2	194
031852	HSLCH-JZ 05X2,5 GR	7,98	26	11,5	200,8	386
031854	HSLCH-JZ 07X2,5 GR	7,98	26	13,8	288	498
036165	HSLCH-JZ 10X2,5 GR	7,89	26	56,1	365,9	8453
031973	HSLCH-JZ 12X2,5 GR	7,98	26	18,2	441	796
032765	HSLCH-JZ 03X4 GR	4,95	34	10,7	178,1	249
031843	HSLCH-JZ 04X4 GR	4,95	34	11,9	248	288
032161	HSLCH-JZ 05X4 GR	4,95	34	13,1	328	337
032766	HSLCH-JZ 07X4 GR	4,95	34	15,1	388	488
032768	HSLCH-JZ 03X6 GR	3,3	44	12,5	280	347
031856	HSLCH-JZ 04X6 GR	3,3	44	14,2	362	399
031853	HSLCH-JZ 05X6 GR	3,3	44	16,2	453	770
032769	HSLCH-JZ 07X6 GR	3,3	44	19,2	542	670
032771	HSLCH-JZ 03X10 GR	1,91	61	15,9	385	501
031820	HSLCH-JZ 04X10 GR	1,91	61	17,8	558	698
032772	HSLCH-JZ 05X10 GR	1,91	61	19,6	640	828
032773	HSLCH-JZ 07X10 GR	1,91	61	21,6	850	1254
031857	HSLCH-JZ 04X16 GR	1,21	82	20,8	910	987
032774	HSLCH-JZ 05X16 GR	1,21	82	22,9	1051	1207
032775	HSLCH-JZ 07X16 GR	1,21	82	25,2	1470	1816
032776	HSLCH-JZ 03X25 GR	0,78	108	24,8	900	1214
031858	HSLCH-JZ 04X25 GR	0,78	108	26,2	1289	1592
032777	HSLCH-JZ 05X25 GR	0,78	108	29,4	1486	2002
032778	HSLCH-JZ 03X35 GR	0,554	135	27,9	1130	1622
032040	HSLCH-JZ 04X35 GR	0,554	135	33,5	1690	2380
032779	HSLCH-JZ 05X35 GR	0,554	135	33,8	2015	2664
032780	HSLCH-JZ 03X50 GR	0,386	168	35,7	1766	2471
032129	HSLCH-JZ 04X50 GR	0,386	168	39,2	2325	3003
032781	HSLCH-JZ 05X50 GR	0,386	168	43,3	2781	3882
032782	HSLCH-JZ 03X70 GR	0,272	207	41,4	2218	3840
032656	HSLCH-JZ 04X70 GR	0,272	207	45,3	3089	4939
032783	HSLCH-JZ 05X70 GR	0,272	207	49,6	3696	6572

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
032784	HSLCH-JZ 03X95 GR	0,206	250	47,7	3010	5651
032657	HSLCH-JZ 04X95 GR	0,206	250	52,4	4013	6690
032785	HSLCH-JZ 05X95 GR	0,206	250	57,5	5016	8370
032786	HSLCH-JZ 03X120 GR	0,161	292	51	3802	6342
032787	HSLCH-JZ 04X120 GR	0,161	292	56,1	5067	8453
035600	HSLCH-JZ 05X150 GR				8005	8890

Table: Technical characteristics HSLCH-OZ

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
032740	HSLCH-OZ 02X0,5 GR	39	6	5,8	35	47
032748	HSLCH-OZ 02X0,75 GR	26	12	6,4	45	58
032754	HSLCH-OZ 02X1 GR	19,5	15	6,6	50	64
031888	HSLCH-OZ 02X1,5 GR	13,3	18	8,2	63,3	97
032762	HSLCH-OZ 02X2,5 GR	7,98	26	8,5	98	132
032764	HSLCH-OZ 02X4 GR	4,95	34	10	163	209
032767	HSLCH-OZ 02X6 GR	3,3	44	11,9	200	278
032770	HSLCH-OZ 02X10 GR	1,91	61	14,9	328	434

RI	conductor resistance
I _{bl}	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

conductor material: bare copper
conductor construction: fine stranded, class 5
colour of outer sheath: grey
flame retardant: VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
halogen free: DIN EN 50267/IEC 60754

Table: Technical characteristics

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
036180	HSLCH-JZ 600 03X1,5 0,6/1 kV SW		11,1	82	187
036181	HSLCH-JZ 600 04X1,5 0,6/1 kV SW		11,8	99	240
036182	HSLCH-JZ 600 05X1,5 0,6/1 kV SW		13,1	125	289
036183	HSLCH-JZ 600 07X1,5 0,6/1 kV SW		14,2	160	342
035815	HSLCH-JZ 600 12X1,5 0,6/1 kV SW	0,124	17,3	268	486
036184	HSLCH-JZ 600 03X2,5 0,6/1 kV SW		12,7	149	298
036185	HSLCH-JZ 600 04X2,5 0,6/1 kV SW		13,8	174,2	345
036186	HSLCH-JZ 600 05X2,5 0,6/1 kV SW		15,1	200,8	427
035962	HSLCH-JZ 600 07X2,5 0,6/1 kV SW		15,4	253	462
036187	HSLCH-JZ 600 12X2,5 0,6/1 kV SW		21,3	441	788
036188	HSLCH-JZ 600 03X4 0,6/1 kV SW		14,4	178	391
036189	HSLCH-JZ 600 04X4 0,6/1 kV SW		15,7	248	527
036190	HSLCH-JZ 600 05X4 0,6/1 kV SW		17,3	328	700
036191	HSLCH-JZ 600 07X4 0,6/1 kV SW		17	388	668
034765	HSLCH-JZ 600 05X16 0,6/1 kV SW		25	1394	1407

RI	conductor resistance
DA	outer diameter
Cu	copper
G	weight

PUR-sheathed control cable FACAB 100 P

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	special PVC-compound
sheathing material:	polyurethan
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
ozone resistant:	DIN EN 60811-2-1(A)
maximum temperature at conductor:	70 °C
max. operating temperature,	-40 - +80 °C
fixed:	
temperature, moved/during installation:	-5 - +80 °C
bending radius, fixed installation:	4 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V
core identification:	gn-ye + numbers

Application: In dry and wet environment as well as in free air for medium mechanical stress. For connection of electrical tools with improved oil- and abrasion resistance.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FACAB 100 P

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
032790	FACAB 100 P 2X0,5 GR	4,8	38	10	
032791	FACAB 100 P 3G0,5 GR	5,1	47	15	
032792	FACAB 100 P 4G0,5 GR	5,7	58	19,2	
032052	FACAB 100 P 5G0,5 GR	6,2	59	24	
032793	FACAB 100 P 7G0,5 GR	7,2	86	34	
034349	FACAB 100 P 8G0,5 GR	8,1	105	38,4	
032794	FACAB 100 P 10G0,5 GR	8,8	115	48	
032795	FACAB 100 P 12G0,5 GR	9,1	137	58	
034350	FACAB 100 P 14G0,5 GR	9,5	170	67,2	
032796	FACAB 100 P 18G0,5 GR	10,7	200	87	
034351	FACAB 100 P 21G0,5 GR	12,1	225	101	
032797	FACAB 100 P 25G0,5 GR	13,2	259	120	
034352	FACAB 100 P 30G0,5 GR	13,5	315	144	
032798	FACAB 100 P 34G0,5 GR	14,7	370	164	
032799	FACAB 100 P 41G0,5 GR	15,7	400	197	
034353	FACAB 100 P 42G0,5 GR	15,8	415	202	
034354	FACAB 100 P 50G0,5 GR	17,5	550	240	
032800	FACAB 100 P 2X0,75 GR	5,4	43	14,4	
032801	FACAB 100 P 3G0,75 GR	5,7	55	22	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
032802	FACAB 100 P 4G0,75 GR	6,2	67	29	
032803	FACAB 100 P 5G0,75 GR	6,8	83	36	
032804	FACAB 100 P 7G0,75 GR	7,5	106	50	
034355	FACAB 100 P 8G0,75 GR	8,7	111	58	
032805	FACAB 100 P 10G0,75 GR	9,6	151	72	
032806	FACAB 100 P 12G0,75 GR	9,9	181	86,4	
034356	FACAB 100 P 14G0,75 GR	10,4	202	101	
032807	FACAB 100 P 18G0,75 GR	11,9	255	130	
034357	FACAB 100 P 21G0,75 GR	13,3	269	151,2	
032808	FACAB 100 P 25G0,75 GR	14,5	325	180	
034358	FACAB 100 P 30G0,75 GR	15,1	400	216	
032809	FACAB 100 P 34G0,75 GR	16,3	473	245	
032810	FACAB 100 P 41G0,75 GR	17,4	529	295,2	
034359	FACAB 100 P 42G0,75 GR	17,7	600	302,4	
034360	FACAB 100 P 50G0,75 GR	19,4	720	360	
032811	FACAB 100 P 2X1 GR	5,7	53	19,2	
032812	FACAB 100 P 4G1 GR	6,6	85	38,4	
031717	FACAB 100 P 3G1 GR	6	61	29	14400
034897	FACAB 100 P 5G1 GR	7,1	89	48	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
032813	FACAB 100 P 7G1 GR	8,1	126	67	
034361	FACAB 100 P 8G1 GR	9,4	131	77	
032814	FACAB 100 P 10G1 GR	10,2	186	96	
032815	FACAB 100 P 12G1 GR	10,7	219	115,2	
034362	FACAB 100 P 14G1 GR	11,5	230	134,4	
032816	FACAB 100 P 18G1 GR	12,9	309	173	
034363	FACAB 100 P 21G1 GR	14,1	306	196	
032817	FACAB 100 P 25G1 GR	14,9	414	240	
034364	FACAB 100 P 32G1 GR	16,7	620	308	
032818	FACAB 100 P 34G1 GR	17,4	592	326,4	
032819	FACAB 100 P 41G1 GR	18,8	638	397	
034740	FACAB 100 P 42G1 GR	18,8	730	403,2	
034366	FACAB 100 P 50G1 GR	20,9	890	480	
032820	FACAB 100 P 2X1,5 GR	6,2	77	29	
032821	FACAB 100 P 3G1,5 GR	6,6	92	43,2	
032822	FACAB 100 P 4G1,5 GR	7,2	110	58	
032823	FACAB 100 P 5G1,5 GR	8	132	72	
032010	FACAB 100 P 7G1,5 GR	9,2	159	101	
034367	FACAB 100 P 8G1,5 GR	10,5	199	115,2	
034368	FACAB 100 P 10G1,5 GR	11,4	245	144	
032824	FACAB 100 P 12G1,5 GR	12	290	173	
034369	FACAB 100 P 14G1,5 GR	12,5	347	202	
032825	FACAB 100 P 18G1,5 GR	14,1	422	260	
034370	FACAB 100 P 21G1,5 GR	14,1	534	302,4	
032826	FACAB 100 P 25G1,5 GR	16,8	594	360	
034371	FACAB 100 P 30G1,5 GR	18,1	800	432	
032827	FACAB 100 P 34G1,5 GR	19,5	799	490	
032828	FACAB 100 P 41G1,5 GR	21,3	867	590,4	
034372	FACAB 100 P 42G1,5 GR	21,1	1100	605	
034373	FACAB 100 P 50G1,5 GR	25,4	1250	720	
034374	FACAB 100 P 2X2,5 GR	7,8	110	48	
032829	FACAB 100 P 3G2,5 GR	8,3	149	72	

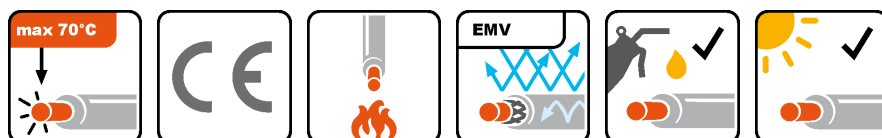
DA	outer diameter
G	weight
Cu	copper
Fzv	tensile strength (during installation)

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
034962	FACAB 100 P 3G2,5 GE	10,8	186	72	
032830	FACAB 100 P 4G2,5 GR	9,2	175	96	
032831	FACAB 100 P 5G2,5 GR	10,1	204	120	
032832	FACAB 100 P 7G2,5 GR	11,2	280	168	
032833	FACAB 100 P 12G2,5 GR	15,3	489	288	
034375	FACAB 100 P 18G2,5 GR	18,2	740	432	
034376	FACAB 100 P 25G2,5 GR	22,3	1095	600	
034377	FACAB 100 P 2X4 GR	9,6	147	77	
034378	FACAB 100 P 3G4 GR	10,4	228	115,2	
032834	FACAB 100 P 4G4 GR	11,4	266	154	
032835	FACAB 100 P 5G4 GR	12,7	315	192	
032836	FACAB 100 P 7G4 GR	14	435	269	
034379	FACAB 100 P 3G6 GR	12,1	362	173	
032837	FACAB 100 P 4G6 GR	13,4	383	230,4	
032838	FACAB 100 P 5G6 GR	14,9	477	288	
035250	FACAB 100 P 5G6 GE	14,9	477	288	
032839	FACAB 100 P 7G6 GR	16,5	663	403,2	
034380	FACAB 100 P 3G10 GR	15,2	555	288	
032840	FACAB 100 P 4G10 GR	16,9	679	384	
032841	FACAB 100 P 5G10 GR	18,7	840	480	
032842	FACAB 100 P 7G10 GR	20,9	1112	672	
032843	FACAB 100 P 4G16 GR	19,8	1059	614,4	
034382	FACAB 100 P 5G16 GR	22,2	1400	768	
034383	FACAB 100 P 7G16 GR	29,3	1800	1075	
034414	FACAB 100 P 4G25 GR	29,4	1590	960	
034415	FACAB 100 P 4G35 GR	32,8	2200	1344	
034416	FACAB 100 P 4G50 GR	38,9	2400	1920	
034417	FACAB 100 P 4G70 GR	44,7	4400	2688	
034418	FACAB 100 P 4G95 GR	59,6	6000	3648	

PUR-sheathed control cable FACAB 100 F-CP

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	special PVC-compound
screen:	Cu-braiding
screen coverage:	85 %
sheathing material:	polyurethan
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
ozone resistant:	yes
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-5 - +80 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA
nominal voltage U₀:	500 V
nominal voltage U:	300 V
core identification:	gn-ye + numbers

Application: Ruggedized PUR-sheathed control cable, highly resistant against wear and tear. The oil and coolant resistance allows application in industrial environments, machine building, engineering or even steel works. For medium mechanical stress without tension load and forced guiding. For indoor and outdoor use.



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Table: Technical characteristics FACAB 100 F-CP

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035006	FACAB 100 F-CP 2X0,5 GR	5,8	44	36	033542	FACAB 100 F-CP 25G0,75 GR	14,9	447	280
035007	FACAB 100 F-CP 3G0,5 GR	6,1	58	43	033544	FACAB 100 F-CP 32G0,75 GR	16	485	330
034538	FACAB 100 F-CP 4G0,5 GR	6,5	72	49	033543	FACAB 100 F-CP 34G0,75 GR	19,8	599	420
035008	FACAB 100 F-CP 5G0,5 GR	7	86	57	033545	FACAB 100 F-CP 41G0,75 GR	17,9	689	467
033532	FACAB 100 F-CP 2X0,75 GR	5,8	77	47	033546	FACAB 100 F-CP 50G0,75 GR	19,7	775	480
033533	FACAB 100 F-CP 3G0,75 GR	6,1	89	54	032012	FACAB 100 F-CP 2X1 GR	6,1	66	50
033534	FACAB 100 F-CP 4G0,75 GR	6,5	102	77	031990	FACAB 100 F-CP 3G1 GR	6,3	82	77
033535	FACAB 100 F-CP 5G0,75 GR	7,1	117	86	031787	FACAB 100 F-CP 4G1 GR	6,9	129	87
033536	FACAB 100 F-CP 7G0,75 GR	8,3	152	96	032013	FACAB 100 F-CP 5G1 GR	7,5	128	90
033537	FACAB 100 F-CP 10G0,75 GR	10,1	180	141	034558	FACAB 100 F-CP 6G1 GR	8,3	145	105
033538	FACAB 100 F-CP 12G0,75 GR	10,3	231	151	034559	FACAB 100 F-CP 7G1 GR	8,9	174	112
033539	FACAB 100 F-CP 14G0,75 GR	10,7	226	167	034560	FACAB 100 F-CP 8G1 GR	9,6	198	130
033540	FACAB 100 F-CP 18G0,75 GR	12,1	333	207	034561	FACAB 100 F-CP 10G1 GR	10,7	230	143
033541	FACAB 100 F-CP 21G0,75 GR	13,4	376	246	032050	FACAB 100 F-CP 12G1 GR	10,9	262	194

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
034562	FACAB 100 F-CP 14G1 GR	11,6	302	199
034563	FACAB 100 F-CP 16G1 GR	12,2	345	218
034564	FACAB 100 F-CP 18G1 GR	13,9	388	268
034565	FACAB 100 F-CP 21G1 GR	13,6	480	278
034566	FACAB 100 F-CP 25G1 GR	15,9	596	354
034567	FACAB 100 F-CP 34G1 GR	17,9	740	452
034568	FACAB 100 F-CP 41G1 GR	19,3	855	510
034569	FACAB 100 F-CP 50G1 GR	21,2	1027	630
034475	FACAB 100 F-CP 2X1,5 GR	7,1	92	65
031772	FACAB 100 F-CP 3G1,5 GR	6,9	135	83
033824	FACAB 100 F-CP 4X1,5 GR	7,5	146	100
035277	FACAB 100 F-CP 4G1,5 GR	8,2	146	100
032049	FACAB 100 F-CP 5G1,5 GR	8,4	159	120
032044	FACAB 100 F-CP 7G1,5 GR	10	207	152
034570	FACAB 100 F-CP 8G1,5 GR	10,7	245	172
034571	FACAB 100 F-CP 10G1,5 GR	11,8	313	193
033825	FACAB 100 F-CP 12G1,5 GR	12,1	352	268
034572	FACAB 100 F-CP 14G1,5 GR	12,9	384	272
034573	FACAB 100 F-CP 16G1,5 GR	13,6	425	285
034574	FACAB 100 F-CP 18G1,5 GR	15,6	516	373
034615	FACAB 100 F-CP 21G1,5 GR	16,2	563	424
033826	FACAB 100 F-CP 25G1,5 GR	17,9	719	530
034616	FACAB 100 F-CP 34G1,5 GR	20,8	907	683
034617	FACAB 100 F-CP 42G1,5 GR	21,8	1040	770
034618	FACAB 100 F-CP 50G1,5 GR	23,6	1292	976

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
034619	FACAB 100 F-CP 2X2,5 GR	8,2	131	96
033827	FACAB 100 F-CP 3G2,5 GR	8,6	178	147
034620	FACAB 100 F-CP 4G2,5 GR	9,9	215	175
034621	FACAB 100 F-CP 5G2,5 GR	11	246	203
034622	FACAB 100 F-CP 7G2,5 GR	12,6	342	253
034623	FACAB 100 F-CP 10G2,5 GR	15,1	462	335
033828	FACAB 100 F-CP 12G2,5 GR	15,5	580	445
034624	FACAB 100 F-CP 18G2,5 GR	19	978	569
033829	FACAB 100 F-CP 25G2,5 GR	22,2	1358	827
034625	FACAB 100 F-CP 2X4 GR	10	187	136
034626	FACAB 100 F-CP 3G4 GR	10,5	243	178
034627	FACAB 100 F-CP 4G4 GR	11,7	308	248
034628	FACAB 100 F-CP 5G4 GR	13,3	386	300
034629	FACAB 100 F-CP 7G4 GR	14,5	499	357
034630	FACAB 100 F-CP 3G6 GR	12,2	333	241
034631	FACAB 100 F-CP 4G6 GR	14,2	427	343
034632	FACAB 100 F-CP 5G6 GR	15,2	510	418
034633	FACAB 100 F-CP 7G6 GR	17	672	510
034634	FACAB 100 F-CP 4G10 GR	17,2	710	535
034635	FACAB 100 F-CP 4G16 GR	20,2	1050	800
034636	FACAB 100 F-CP 4G25 GR	25,1	1570	1075
034637	FACAB 100 F-CP 4G35 GR	28	2070	1576

Polyurethan reeling cable FACAB PUR acc. to VDE 0250 (with ref. to)

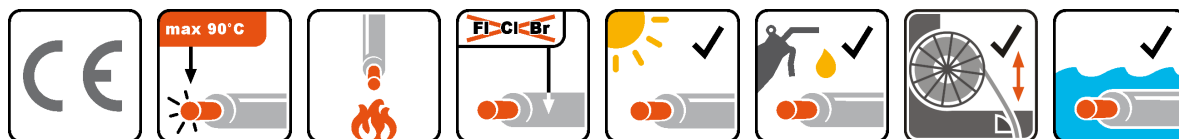


conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	Polyester
inner sheath:	polyurethan
self supporting element:	textile
sheathing material:	polyurethan
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-50 - +90 °C
temperature, moved/during installation:	-40 - +90 °C
bending radius, fixed installation:	6 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	2,5 kV
core identification:	colored acc. to HD 308; more than 5 cores: numbers

Application: As connection and control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load. The cable can be reeled and is resistant to oils. Due to the good UV- and damp-resistance the cable can be used indoors, outdoors and in water up to 50 m depth of water.

Additional information:

- driving speed up to 180 m/min
- textile braid between inner and outer sheath
- permanent tensile load without supporting element max. 25 N/sqmm



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Table: Technical characteristics FACAB PUR

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
034476	FACAB PUR TROMMELBAR 04G1,5 SW Bruchlast 1.340 N	13,3	23	11,2	58	155
034477	FACAB PUR TROMMELBAR 05G1,5 SW Bruchlast 1.690 N	13,3	23	11,8	81	178
034478	FACAB PUR TROMMELBAR 07G1,5 SW Bruchlast 2.150 N	13,3	23	13,5	115	218

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg]
034479	FACAB PUR TROMMELBAR 12G1,5 SW Bruchlast 2.600 N	13,3	23	17,1	196	363
034480	FACAB PUR TROMMELBAR 18G1,5 SW Bruchlast 2.600 N	13,3	23	18,1	271	459
034481	FACAB PUR TROMMELBAR 24G1,5 SW Bruchlast 2.800 N	13,3	23	20,9	392	590
034482	FACAB PUR TROMMELBAR 30G1,5 SW Bruchlast 2.900 N	13,3	23	23,1	450	720
034483	FACAB PUR TROMMELBAR 04G2,5 SW Bruchlast 1.345 N	7,41	30	12,3	99	208
034484	FACAB PUR TROMMELBAR 05G2,5 SW Bruchlast 2.100 N	7,41	30	13,1	125	230
034485	FACAB PUR TROMMELBAR 07G2,5 SW Bruchlast 2.550 N	7,41	30	14,7	180	315
034486	FACAB PUR TROMMELBAR 12G2,5 SW Bruchlast 2.900 N	7,41	30	20,4	308	485
034487	FACAB PUR TROMMELBAR 18G2,5 SW Bruchlast 3.450 N	7,41	30	20,7	451	679
034488	FACAB PUR TROMMELBAR 24G2,5 SW Bruchlast 3.200 N	7,41	30	23,6	616	860
034489	FACAB PUR TROMMELBAR 30G2,5 SW Bruchlast 4.200 N	7,41	30	26,8	771	1080
035678	FACAB PUR TROMMELBAR 36G2,5 SW			30	930	1320
034493	FACAB PUR TROMMELBAR 04G4 SW Bruchlast 1.690 N	4,95	41	13,6	160	281
034494	FACAB PUR TROMMELBAR 04G6 SW Bruchlast 1.860 N	3,3	53	24,1	241	372
034495	FACAB PUR TROMMELBAR 04G10 SW Bruchlast 2.300 N	1,21	74	18,9	404	615
034496	FACAB PUR TROMMELBAR 04G16 SW Bruchlast 2.800 N	1,21	99	22,1	645	924
034497	FACAB PUR TROMMELBAR 04G25 SW Bruchlast 3.300 N	0,78	131	25,5	1005	1270
034498	FACAB PUR TROMMELBAR 04G35 SW Bruchlast 3.300 N	0,554	162	30	1417	1778
035983	FACAB PUR TROMMELBAR 04G120 SW			52	4608	5900
034499	FACAB PUR TROMMELBAR 05G4 SW Bruchlast 2.500 N	4,95	41	14,5	200	318
034500	FACAB PUR TROMMELBAR 05G6 SW Bruchlast 3.000 N	3,3	53	17,4	317	435
034501	FACAB PUR TROMMELBAR 05G10 SW Bruchlast 3.000 N	1,21	74	20,5	528	704
034502	FACAB PUR TROMMELBAR 05G16 SW Bruchlast 3.000 N	1,21	99	24,2	816	1067

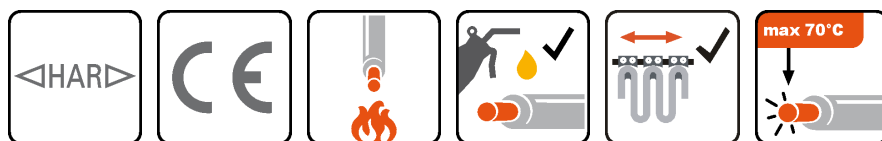
RI	conductor resistance
Ibl	ampacity (in air)
DA	outer diameter
Cu	copper
G	weight

flat PVC-insulated cord H07VVH6-F F acc. to VDE 0281-404



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC YI2
sheathing material:	PVC TM2
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	450 V
nominal voltage U:	750 V
test voltage:	2,5 kV
core identification:	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: PVC insulated flat cables are used as trailing cable for crane installations, floor conveyer systems and shelf control units. Max. suspension length 35 m.



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Table: Technical characteristics H07VVH6-F

p/n	part name	b [mm]	h [mm]	Cu [kg/km]	G [kg]
031974	H07VVH6-F 04G1,5 SW Flachleitung	15	5	58	135
032153	H07VVH6-F 05G1,5 SW Flachleitung	18	5	72	140
032351	H07VVH6-F 07G1,5 SW Flachleitung	27	5	101	260
032004	H07VVH6-F 08G1,5 SW Flachleitung	29	5	115	265
032352	H07VVH6-F 10G1,5 SW Flachleitung	36	5	144	358
031975	H07VVH6-F 12G1,5 SW Flachleitung	41	5	173	442
031976	H07VVH6-F 14G1,5 SW Flachleitung	51	5	202	435
031977	H07VVH6-F 18G1,5 SW Flachleitung	65	5	259	559
035014	H07VVH6-F 24G1,5 SW Flachleitung	83,6	5,2	346	818
031978	H07VVH6-F 04G2,5 SW Flachleitung	18,5	5,7	96	206

p/n	part name	b [mm]	h [mm]	Cu [kg/km]	G [kg]
032154	H07VVH6-F 05G2,5 SW Flachleitung	22,1	5,7	120	240
032353	H07VVH6-F 07G2,5 SW Flachleitung	33,5	5,7	168	365
032354	H07VVH6-F 08G2,5 SW Flachleitung	37,1	5,7	192	410
032355	H07VVH6-F 12G2,5 SW Flachleitung	50,9	5,7	288	610
032356	H07VVH6-F 24G2,5 SW Flachleitung	103	5,7	604	950
032357	H07VVH6-F 04G4 SW Flachleitung	21,5	6,9	154	327
032041	H07VVH6-F 04G6 SW Flachleitung	24,5	7,6	230	430
031979	H07VVH6-F 04G10 SW Flachleitung	31,1	9,6	384	709
032024	H07VVH6-F 04G16 SW Flachleitung	35,5	10,9	614	1015
033469	H07VVH6-F 04G25 SW Flachleitung	41,5	12,7	960	1367
032152	H07VVH6-F 04G35 SW Flachleitung	49,1	15,7	1344	1920
034819	(H)07VVH6-F 04G50 SW Flachleitung	61,5	19,1	1920	2822
034557	(H)07VVH6-F 04G70 SW Flachleitung	64,1	21,1	2688	3817
032358	H07VVH6-F 05G4 SW Flachleitung	26,9	6,9	192	402
032301	H07VVH6-F 05G6 SW Flachleitung	29,5	7,6	288	525
032302	H07VVH6-F 05G10 SW Flachleitung	37,5	10,2	480	935
032361	H07VVH6-F 05G16 SW Flachleitung	43,4	11,1	768	1317
032359	H07VVH6-F 07G4 SW Flachleitung	37,9	6,9	269	567
032360	H07VVH6-F 07G6 SW Flachleitung	41,1	7,1	403	755

b width of (flat) cable

h hight of (flat) cable

Cu copper

G weight

Multi standard control cable Globalflex-Premium HAR/UL/CSA/CCC/GOST



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
sheathing material:	PVC
colour of outer sheath:	grey
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
temperature, moved/during installation:	-5 - +70 °C
bending radius, moved	12 x DA
application:	
insulation resistance:	20 MOhm x km
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	3 kV
core identification:	gn-ye + numbers

Application: Suitable for the export-orientated machinery, plant and equipment manufacture. Due to the international approvals these control cables can be used worldwide.

They are installed in dry and moist rooms at medium mechanical stress and as connecting cables for static and non-continuous flexing applications.

Additional information:

nominal voltage UL/CSA: 600 V

temperature UL/CSA: +5 - +90 °C



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Table: Technical characteristics

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
036501	12G0,5		174	58
036471	03G0,75	6,5	63	22
036472	04G0,75	7,3	78	29
036473	05G0,75	8	98	36
036508	07G0,75	9,6	139	50,4
036502	09G0,75		160	65
036509	12G0,75	11,5	203	86,4
036510	18G0,75	14,2	307	130
036511	25G0,75	17	432	180
036512	02X1	6,6	63	38,4
036474	03G1	7	77	29
036475	04G1	7,6	90	38,4
036476	05G1	8,6	119	48
036513	07G1	10,3	165	67,2
036514	12G1	12,6	251	115,2
036515	18G1	15,2	368	173
036516	25G1	18,2	517	240
036477	03G1,5	8,2	101	43,2
036478	04G1,5	8,9	124	58
036479	05G1,5	10	156	72
036517	07G1,5	12,1	229	101
036503	10G1,5		252	144

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
036518	12G1,5	14,4	331	173
036519	18G1,5	17,8	505	259,2
036520	25G1,5	21,6	727	360
036480	03G2,5	10	157	72
036481	04G2,5	10,8	198	96
036482	05G2,5	12	246	120

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
036521	07G2,5	14,4	346	168
036522	12G2,5	17,4	517	288
036523	18G2,5	21,5	783	432
036524	25G2,5	25,6	1091	600

Screened multi standard control cable Globalflex- Premium HAR/UL/CSA/CCC/GOST



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
sheathing material:	PVC
colour of outer sheath:	grey
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
temperature, moved/during installation:	-5 - +70 °C
bending radius, moved	12 x DA
application:	
insulation resistance:	20 MOhm x km
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	3 kV

Application: Suitable for the export-orientated machinery, plant and equipment manufacture. Due to the international approvals these control cables can be used worldwide.

They are installed in dry and moist rooms at medium mechanical stress and as connecting cables for static and non-continuous flexing applications.

Additional information:

nominal voltage UL/CSA: 600 V

temperature UL/CSA: +5 - +90 °C



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Table: Technical characteristics

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
036525	03G0,75	7,9	92	57,9
036526	04G0,75	8,4	105	64
036527	03G1	8,2	103	65,3
036528	04G1	8,7	119	78,1

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
036529	03G1,5	8,9	126	83
036530	04G1,5	9,6	148	100

DA	outer diameter
G	weight
Cu	copper



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
stranding unit:	core
sheathing material:	PVC
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
max. operating temperature,	-30 - +80 °C
fixed:	
temperature, moved/during	-5 - +70 °C
installation:	
insulation resistance:	100 MOhm $\times$ km
specific inductivity:	0,7 mH/km
operating capacity:	120 nF/km
nominal voltage U₀:	250 V
nominal voltage U:	250 V
test voltage:	1,2 kV
core identification:	colours acc. DIN 47100

Application: For signal transmission between electronic devices, in computer systems or process control units.



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Table: Technical characteristics LiYY

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030219	LiYY 02X0,34 GR	4,2	19	6,5	030180	LiYY 08X0,14 GR	5,3	30	10,8
030220	LiYY 03X0,34 GR	4,5	25	9,8	030181	LiYY 10X0,14 GR	5,6	41	13,5
030221	LiYY 04X0,34 GR	4,9	32	13,1	030182	LiYY 12X0,14 GR	5,8	48	16,2
030222	LiYY 05X0,34 GR	5,6	38	16,3	030183	LiYY 14X0,14 GR	6,1	54	18,9
030225	LiYY 10X0,34 GR	7,6	73	32,6	030184	LiYY 16X0,14 GR	6,4	60	21,6
030226	LiYY 14X0,34 GR	8,7	104	45,7	030575	LiYY 18X0,14 GR	6,7	72	24,1
030241	LiYY 02X0,5 GR	5,6	23	9,6	031374	LiYY 20X0,14 GR	7,4	73	26,9
030242	LiYY 03X0,5 GR	5,9	31	14,4	030186	LiYY 21X0,14 GR	7,5	77	28,4
030243	LiYY 04X0,5 GR	6,4	39	19,2	030187	LiYY 24X0,14 GR	7,8	94	32,3
030244	LiYY 05X0,5 GR	7	47	24	030603	LiYY 25X0,14 GR	7,9	100	34,3
030248	LiYY 10X0,5 GR	9,4	92	48	030188	LiYY 27X0,14 GR	8,7	107	36,3
030567	LiYY 12X0,5 GR	9,7	121	57,6	030198	LiYY 02X0,25 GR	3,6	17	4,8
030174	LiYY 02X0,14 GR	3,2	12	2,7	030199	LiYY 03X0,25 GR	3,8	21	7,2
030175	LiYY 03X0,14 GR	3,4	17	4,1	030200	LiYY 04X0,25 GR	4,1	27	9,6
030395	LiYY 04X0,14 GR	3,7	19	5,4	030201	LiYY 05X0,25 GR	4,5	32	12
030177	LiYY 05X0,14 GR	4	22	6,8	030202	LiYY 06X0,25 GR	5	40	14,4
030178	LiYY 06X0,14 GR	4,4	25	8,1	030203	LiYY 07X0,25 GR	5,4	42	16,8
030179	LiYY 07X0,14 GR	4,7	27	9,5	030204	LiYY 08X0,25 GR	6,1	51	19,2

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030205	LiYY 10X0,25 GR	6,4	61	24
030206	LiYY 12X0,25 GR	6,6	71	28,8
030207	LiYY 14X0,25 GR	6,9	81	33,6
030218	LiYY 61X0,25 GR	13,7	398	146,4
030223	LiYY 06X0,34 GR	6,1	44	19,6
030224	LiYY 07X0,34 GR	6,6	50	22,8
030574	LiYY 08X0,34 GR	7,2	61	26
030573	LiYY 12X0,34 GR	7,9	85	39,2
030246	LiYY 07X0,5 GR	7,6	65	33,6
030587	LiYY 08X0,5 GR	7,9	75	38,4
030250	LiYY 16X0,5 GR	10,8	146	76,8
030545	LiYY 21X0,5 GR	12,6	184	96
030527	LiYY 02X0,75 GR	5,9	48	14,4
030528	LiYY 03X0,75 GR	6	57	21,6

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
030529	LiYY 04X0,75 GR	6,5	69	28,8
035105	LiYY 12X0,75 GR	10,1	179	86
031308	LiYY 02X1 GR	6	61	19,2
031825	LiYY 07X0,14 SW		27	9,5
030337	LiYY 02X2X0,14 GR	5,1	19	5,4
030338	LiYY 03X2X0,14 GR	5,8	26	8
030339	LiYY 04X2X0,14 GR	6,4	34	10,7
030340	LiYY 05X2X0,14 GR	6,7	42	13,4
030341	LiYY 06X2X0,14 GR	7,2	48	16,1
030342	LiYY 08X2X0,14 GR	7,7	62	21,5
035595	LiYY 16X2X0,14 GR	9,8	110	43

DA	outer diameter
G	weight
Cu	copper

Electronic cable LiYY EB (intrinsic safe)

conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
sheathing material:	PVC
colour of outer sheath:	blue
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-30 - +80 °C
temperature, moved/during installation:	-5 - +70 °C
insulation resistance:	100 MOhm $\times$ km
specific inductivity:	0,7 mH/km
operating capacity:	120 nF/km
nominal voltage U₀:	250 V
nominal voltage U:	250 V
test voltage:	1,2 kV
core identification:	numbers

Application: For signal transmission between electronic devices, in computer systems or process control units. The blue outer sheath allows installation in intrinsically safe circuits.



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Table: Technical characteristics LIYY/EB

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
030661	LiYY/EB 03X0,75 BL	6	61	21,6	
033122	LiYY/EB 04X0,75 BL	6,2	74	29,4	
033123	LiYY/EB 05X0,75 BL	6,9	89	37	
032663	LiYY/EB 07X0,75 BL		117	52	
033124	LiYY/EB 08X0,75 BL	8,9	130	58	
033125	LiYY/EB 12X0,75 BL	10,1	191	88,2	
033126	LiYY/EB 18X0,75 BL	12	270	132,3	
030717	LiYY/EB 25X0,75 BL		370	180	
033127	LiYY/EB 30X0,75 BL	15,5	448	215	
033128	LiYY/EB 34X0,75 BL	16,4	510	245	
033129	LiYY/EB 41X0,75 BL	17,6	607	298	
033130	LiYY/EB 02X1 BL	5,8	58	20	
033131	LiYY/EB 03X1 BL	6,3	75	30	
032864	LiYY/EB 04X1 BL	6,6	86	38	
033132	LiYY/EB 05X1 BL	7,3	111	48	
032944	LiYY/EB 07X1 BL	8,6	143	69,1	
033133	LiYY/EB 12X1 BL	10,7	240	118,4	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
033134	LiYY/EB 18X1 BL	12,8	341	178	
031400	LiYY/EB 25X1 BL		470	240	600
033135	LiYY/EB 02X1,5 BL	6,6	86	29	
031421	LiYY/EB 03X1,5 BL		99	43,2	1200
030778	LiYY/EB 04X1,5 BL		125	57,6	
033136	LiYY/EB 05X1,5 BL	8,3	152	72	
033137	LiYY/EB 07X1,5 BL	9,8	190	101	
033138	LiYY/EB 12X1,5 BL	12,3	310	173	
033139	LiYY/EB 18X1,5 BL	14,7	430	259,2	
033140	LiYY/EB 25X1,5 BL	17,8	560	360	
033141	LiYY/EB 30X1,5 BL	20	842	440	
033142	LiYY/EB 03X2,5 BL	8,3	148	72	
033143	LiYY/EB 04X2,5 BL	9,1	178	96	
033144	LiYY/EB 05X2,5 BL	10,2	221	120	
031553	LiYY/EB 12X2,5 BL		522	288	

DA	outer diameter
G	weight
Cu	copper
Fzv	tensile strength (during installation)



conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: PVC
screen: Cu-braid, tinned
screen coverage: 70 %
sheathing material: PVC
flame retardant: VDE 0482-332-1-2/IEC 60332-1
oil resistant: EN 60811-2-1
max. operating temperature, -30 - +80 °C
fixed:
temperature, moved/during -5 - +70 °C
installation:

operating capacity: 120 nF/km
nominal voltage U₀: 250 V
nominal voltage U: 250 V
test voltage: 1,2 kV
core identification: colours acc. DIN 47100

Application: For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility.



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Table: Technical characteristics LiYCY

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
030253	LiYCY 02X0,14 GR	138	2	58,5	23,4	3,8	12,4	21
030254	LiYCY 03X0,14 GR	138	2	60	24	4	14,1	40
030255	LiYCY 04X0,14 GR	138	2	63	25,2	4,1	15,8	43
030256	LiYCY 05X0,14 GR	138	2	69	27,6	4,8	19,6	47
030257	LiYCY 06X0,14 GR	138	2	73,5	29,4	4,9	22,2	52
030258	LiYCY 07X0,14 GR	138	2	75	30	5	23,5	54
030259	LiYCY 08X0,14 GR	138	2	90	36	5,3	25,2	58
030260	LiYCY 10X0,14 GR	138	2	97,5	39	6,4	28,3	76
030261	LiYCY 12X0,14 GR	138	2	100,5	40,2	6,7	31,4	81
030262	LiYCY 14X0,14 GR	138	2	103,5	41,4	6,9	34,9	89
030263	LiYCY 16X0,14 GR	138	2	109,5	43,8	7,3	48	97
030267	LiYCY 24X0,14 GR	138	2	136,5	54,6	9,1	74,3	158
031382	LiYCY 25X0,14 GR	138	2	138	55,2	9,2	76,2	165
030280	LiYCY 02X0,25 GR	79	4	69	27,6	3,9	16	28
030281	LiYCY 03X0,25 GR	79	4	72	28,8	4,3	21	34
030282	LiYCY 04X0,25 GR	79	4	78	31,2	4,5	24	40
030283	LiYCY 05X0,25 GR	79	4	85,5	34,2	5,1	29	47

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
030284	LiYCY 06X0,25 GR	79	4	94,5	37,8	5,5	32,4	54
030285	LiYCY 07X0,25 GR	79	4	94,5	37,8	5,9	37	61
030287	LiYCY 10X0,25 GR	79	4	100,5	40,2	6,4	49,9	80
030288	LiYCY 12X0,25 GR	79	4	117	46,8	6,5	59	91
030290	LiYCY 16X0,25 GR	79	4	144	57,6	9,6	70,8	135
030927	LiYCY 20X0,25 GR	79	4	153	61,2	10,2	88	157
030293	LiYCY 24X0,25 GR	79	4	181,5	72,6	12,1	114,2	212
031387	LiYCY 25X0,25 GR	79	4	181,5	72,6	12,1	116,7	220
030297	LiYCY 36X0,25 GR	79	4	204	81,6	13,6	152	280
030305	LiYCY 02X0,34 GR	57	6	72	28,8	4,6	21	31
030306	LiYCY 03X0,34 GR	57	6	75	30	4,7	27	38
030307	LiYCY 04X0,34 GR	57	6	81	32,4	5,2	33	46
030308	LiYCY 05X0,34 GR	57	6	88,5	35,4	5,6	36	54
030571	LiYCY 06X0,34 GR	57	6	99	39,6	5,8	45	62
030312	LiYCY 12X0,34 GR	57	6	135	54	7,2	80	128
030325	LiYCY 02X0,5 GR	39	9	75	30	5	29	36
030326	LiYCY 03X0,5 GR	39	9	79,5	31,8	5,4	39	45
030327	LiYCY 04X0,5 GR	39	9	85,5	34,2	5,9	46	54
030328	LiYCY 05X0,5 GR	39	9	96	38,4	6,6	57	67
030564	LiYCY 06X0,5 GR	39	9	103,5	41,4	7,1	68,6	76
030330	LiYCY 07X0,5 GR	39	9	105	42	7,2	80	84
030332	LiYCY 10X0,5 GR	39	9	132	52,8	8,8	100	134
030333	LiYCY 12X0,5 GR	39	9	142,5	57	8,9	117	155
031394	LiYCY 25X0,5 GR	39	9	201	80,4	13,4	250	313
030465	LiYCY 30X0,5 GR	39	9	210	84	14	297	348
030511	LiYCY 02X0,75 GR	26	12	100,5	40,2	5,6	38	62
030512	LiYCY 03X0,75 GR	26	12	105	42	6	50	73
030513	LiYCY 04X0,75 GR	26	12	114	45,6	6,6	58	92
030514	LiYCY 05X0,75 GR	26	12	123	49,2	7	70	110
030572	LiYCY 06X0,75 GR	26	12	136,5	54,6	7,7	87	128
030515	LiYCY 07X0,75 GR	26	12	145,5	58,2	7,8	100	145
030471	LiYCY 10X0,75 GR	26	12	175,5	70,2	9,4	140	182
030472	LiYCY 12X0,75 GR	26	12	180	72	9,9	154	216
034913	LiYCY 24X0,75 GR					15	270	390
030474	LiYCY 25X0,75 GR	26	12	249	99,6	16,6	280,8	404
030475	LiYCY 30X0,75 GR	26	12	270	108	18	318,7	497
033873	LiYCY 40X0,75 GR	0,727				20,9	480	676
030705	LiYCY 02X1 GR	19,5	19	105	42	6	46	74
030672	LiYCY 03X1 GR	19,5	19	109,5	43,8	6,4	56	89
030673	LiYCY 04X1 GR	19,5	19	120	48	6,9	69	107
030670	LiYCY 05X1 GR	19,5	19	129	51,6	7,5	89	132
031154	LiYCY 07X1 GR	19,5	19	138	55,2	8,3	118	158
030671	LiYCY 10X1 GR	19,5	19	172,5	69	8,5	145	215
031257	LiYCY 12X1 GR	19,5	19	180	72	10,4	168	254
034862	LiYCY 24X1 SW	0,393				16,2	344	440
031261	LiYCY 25X1 GR	19,5	19	240	96	16	335	478
030584	LiYCY 02X1,5 GR	13,3	24	115,5	46,2	6,6	63	86
030586	LiYCY 03X1,5 GR	13,3	24	120	48	7	76	107
030558	LiYCY 04X1,5 GR	13,3	24	135	54	7,9	108	129
031155	LiYCY 05X1,5 GR	13,3	24	150	60	8,9	129	150
031156	LiYCY 07X1,5 GR	13,3	24	162	64,8	9,3	164	192
031265	LiYCY 18X1,5 GR	13,3	24	232,5	93	15,5	350	450
031959	LiYCY 03X2,5 GR	7,98	32				124	188
035605	LiYCY 08X2,5 GR					12,8	282	319
030361	LiYCY 03X2X0,14 GR	138	2	84	33,6	5,6	25,7	53
030362	LiYCY 04X2X0,14 GR	138	2	91,5	36,6	6,1	39,3	60
030363	LiYCY 05X2X0,14 GR	138	2	97,5	39	6,5	44,5	80
030364	LiYCY 06X2X0,14 GR	138	2	108	43,2	7,2	51,4	85
030366	LiYCY 08X2X0,14 GR	138	2	124,5	49,8	8,3	56,9	115

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
030368	LiYCY 12X2X0,14 GR	138	2	141	56,4	9,4	78,4	160
030376	LiYCY 30X2X0,14 GR	138	2	219	87,6	14,6	142,8	375
030377	LiYCY 36X2X0,14 GR	138	2	231	92,4	15,4	185,5	435
030378	LiYCY 44X2X0,14 GR	138	2	256,5	102,6	17,1	210,5	530
030379	LiYCY 02X2X0,25 GR	79	4	102	40,8	5,5	28	54
030516	LiYCY 03X2X0,25 GR	79	4	109,5	43,8	6,2	39,6	66
030380	LiYCY 04X2X0,25 GR	79	4	118,5	47,4	6,5	44,9	81
030381	LiYCY 05X2X0,25 GR	79	4	141	56,4	9,4	55	98
030517	LiYCY 06X2X0,25 GR	79	4	153	61,2	7,2	69,5	115
030383	LiYCY 12X2X0,25 GR	79	4	205,5	82,2	11	121,5	190
030481	LiYCY 25X2X0,25 GR	79	4	291	116,4	19,4	233	344
030878	LiYCY 02X2X0,34 GR	57	6	111	44,4	6,3	40,5	74
030879	LiYCY 03X2X0,34 GR	57	6	120	48	8	49,8	98
030880	LiYCY 04X2X0,34 GR	57	6	142,5	57	8,3	62,9	114
030881	LiYCY 06X2X0,34 GR	57	6	159	63,6	10,6	84,1	157
031271	LiYCY 12X2X0,34 GR	57	6	214,5	85,8	14,3	138,3	272
030392	LiYCY 02X2X0,5 GR	39	9	109,5	43,8	7,1	54	93
030519	LiYCY 03X2X0,5 GR	39	9	126	50,4	7,9	73,7	129
030393	LiYCY 04X2X0,5 GR	39	9	141	56,4	8,9	91	146
030520	LiYCY 06X2X0,5 GR	39	9	168	67,2	10,8	120	198
030521	LiYCY 08X2X0,5 GR	39	9	172,5	69	11,7	144	259
030394	LiYCY 12X2X0,5 GR	39	9	226,5	90,6	13,8	199	354
030485	LiYCY 16X2X0,5 GR	39	9	259,5	103,8	17,3	254	459
034976	LiYCY 32X2X0,5 GR					23,3	477	786
035704	LiYCY 10X2X0,75 GR					15,5	220	312
035705	LiYCY 20X2X0,75 GR					19,2	392	615
030264	LiYCY 18X0,14 GR	138	2	112,5	45	7,5	51,5	100
030926	LiYCY 20X0,14 GR	138	2	117	46,8	7,8	58,3	116
030266	LiYCY 21X0,14 GR	138	2	118,5	47,4	7,9	60,2	131
030268	LiYCY 27X0,14 GR	138	2	141	56,4	9,4	84,3	179
030269	LiYCY 30X0,14 GR	138	2	142,5	57	9,5	97,6	194
030270	LiYCY 32X0,14 GR	138	2	150	60	10	105,2	198
030271	LiYCY 36X0,14 GR	138	2	153	61,2	10,2	116,4	231
030272	LiYCY 40X0,14 GR	138	2	157,5	63	10,5	126	252
030274	LiYCY 44X0,14 GR	138	2	168	67,2	11,2	138,2	276
031383	LiYCY 48X0,14 GR	138	2	175,5	70,2	11,7	145,8	301
030538	LiYCY 50X0,14 GR	138	2	180	72	12	155	327
031384	LiYCY 52X0,14 GR	138	2	184,5	73,8	12,3	157,4	340
031385	LiYCY 56X0,14 GR	138	2	190,5	76,2	12,7	166,5	366
030278	LiYCY 61X0,14 GR	138	2	192	76,8	12,8	176,5	377
030286	LiYCY 08X0,25 GR	79	4	96	38,4	5,9	42,1	66
030289	LiYCY 14X0,25 GR	79	4	120	48	8	64,2	120
031386	LiYCY 15X0,25 GR	79	4	141	56,4	9,4	67,5	127
030291	LiYCY 18X0,25 GR	79	4	150	60	10	83	150
030292	LiYCY 21X0,25 GR	79	4	157,5	63	10,5	93	163
030294	LiYCY 27X0,25 GR	79	4	183	73,2	12,2	122	226
030295	LiYCY 30X0,25 GR	79	4	189	75,6	12,6	132,3	243
030296	LiYCY 32X0,25 GR	79	4	195	78	13	137,8	256
030298	LiYCY 40X0,25 GR	79	4	211,5	84,6	14,1	163,5	302
030300	LiYCY 44X0,25 GR	79	4	220,5	88,2	14,7	179	329
031388	LiYCY 48X0,25 GR	79	4	222	88,8	14,8	192	444
030459	LiYCY 50X0,25 GR	79	4	240	96	16	203	461
031389	LiYCY 52X0,25 GR	79	4	243	97,2	16,2	233,1	479
031390	LiYCY 56X0,25 GR	79	4	249	99,6	16,6	237	516
030304	LiYCY 61X0,25 GR	79	4	300	120	20	287,2	593
030309	LiYCY 07X0,34 GR	57	6	100,5	40,2	5,9	51	70
030310	LiYCY 08X0,34 GR	57	6	105	42	6,2	54	76
030311	LiYCY 10X0,34 GR	57	6	133,5	53,4	8,9	74	114
030460	LiYCY 14X0,34 GR	57	6	142,5	57	9,5	86	141

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
030313	LiYCY 16X0,34 GR	57	6	150	60	10	94	155
030314	LiYCY 18X0,34 GR	57	6	160,5	64,2	10,7	107,5	186
030928	LiYCY 20X0,34 GR	57	6	163,5	65,4	10,9	115,3	195
030315	LiYCY 21X0,34 GR	57	6	168	67,2	11,2	119	201
030316	LiYCY 24X0,34 GR	57	6	195	78	13	139	244
030317	LiYCY 27X0,34 GR	57	6	196,5	78,6	13,1	149	261
030462	LiYCY 30X0,34 GR	57	6	199,5	79,8	13,3	161,5	282
030318	LiYCY 32X0,34 GR	57	6	207	82,8	13,8	170,8	298
030319	LiYCY 36X0,34 GR	57	6	214,5	85,8	14,3	188,3	325
030320	LiYCY 40X0,34 GR	57	6	222	88,8	14,8	203,5	352
030322	LiYCY 44X0,34 GR	57	6	244,5	97,8	16,3	223,5	399
031391	LiYCY 48X0,34 GR	57	6	252	100,8	16,8	264,8	544
030463	LiYCY 50X0,34 GR	57	6	256,5	102,6	17,1	268	566
031392	LiYCY 52X0,34 GR	57	6	261	104,4	17,4	269,6	589
031393	LiYCY 56X0,34 GR	57	6	264	105,6	17,6	292	634
030323	LiYCY 61X0,34 GR	57	6	270	108	18	418	736
030883	LiYCY 08X0,5 GR	39	9	109,5	43,8	7,6	91,4	107
030565	LiYCY 16X0,5 GR	39	9	160,5	64,2	10,7	129	186
030464	LiYCY 18X0,5 GR	39	9	165	66	11	152	217
030933	LiYCY 20X0,5 GR	39	9	174	69,6	11,6	165	239
030410	LiYCY 21X0,5 GR	39	9	175,5	70,2	11,7	171	251
030566	LiYCY 24X0,5 GR	39	9	199,5	79,8	13,3	236	300
031395	LiYCY 27X0,5 GR	39	9	204	81,6	13,6	265	338
031396	LiYCY 32X0,5 GR	39	9	217,5	87	14,5	301	363
031397	LiYCY 42X0,5 GR	39	9	249	99,6	16,6	304,6	525
030550	LiYCY 50X0,5 GR	39	9	270	108	18	407	625
031398	LiYCY 61X0,5 GR	39	9	922,5	369	19	580	764
031678	LiYCY 08X0,75 GR	26	12	147	58,8	9,8	110	151
030473	LiYCY 18X0,75 GR	26	12	208,5	83,4	13,9	207	311
030583	LiYCY 20X0,75 GR	26	12	223,5	89,4	14,9	238	332
030736	LiYCY 32X0,75 GR	26	12	273	109,2	18,2	330	520
031256	LiYCY 08X1 GR	19,5	19	157,5	63	9,8	130	179
031258	LiYCY 16X1 GR	19,5	19	196,5	78,6	13,1	220	330
031259	LiYCY 18X1 GR	19,5	19	216	86,4	14,4	252	366
031260	LiYCY 20X1 GR	19,5	19	217,5	87	14,5	269	399
031262	LiYCY 08X1,5 GR	13,3	24	187,5	75	12,5	172	219
031263	LiYCY 10X1,5 GR	13,3	24	195	78	12,5	195	274
031264	LiYCY 12X1,5 GR	13,3	24	210	84	13	254	315
031266	LiYCY 20X1,5 GR	13,3	24	255	102	17	375	500
031267	LiYCY 25X1,5 GR	13,3	24	277,5	111	18,5	550	618
030360	LiYCY 02X2X0,14 GR	138	2	75	30	5	22,6	44
030367	LiYCY 10X2X0,14 GR	138	2	135	54	9	65,3	130
030369	LiYCY 14X2X0,14 GR	138	2	165	66	11	84,3	180
030370	LiYCY 16X2X0,14 GR	138	2	165	66	11,3	93,4	220
030371	LiYCY 18X2X0,14 GR	138	2	178,5	71,4	11,9	99,4	240
030372	LiYCY 20X2X0,14 GR	138	2	183	73,2	12,2	104,8	260
030374	LiYCY 25X2X0,14 GR	138	2	201	80,4	13,4	127,7	315
030476	LiYCY 32X2X0,14 GR	138	2	219	87,6	14,6	148,8	390
030536	LiYCY 50X2X0,14 GR	138	2	267	106,8	17,8	244,9	590
030537	LiYCY 55X2X0,14 GR	138	2	282	112,8	18,8	260,7	620
030518	LiYCY 08X2X0,25 GR	79	4	157,5	63	10,5	76,9	130
030382	LiYCY 10X2X0,25 GR	79	4	199,5	79,8	11,8	110	158
030480	LiYCY 16X2X0,25 GR	79	4	226,5	90,6	15,1	146,5	238
030687	LiYCY 08X2X0,34 GR	57	6	163,5	65,4	10,9	97,5	195
030887	LiYCY 16X2X0,34 GR	57	6	231	92,4	15,4	166,2	349
031269	LiYCY 18X2X0,34 GR	57	6	249	99,6	16,6	205,6	399
031270	LiYCY 24X2X0,34 GR	57	6	279	111,6	18,6	266,1	464
030522	LiYCY 02X2X0,75 GR	26	12	142,5	57	7,7	58	106
030414	LiYCY 03X2X0,75 GR	26	12	144	57,6	8,6	85	140

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
030523	LiYCY 04X2X0,75 GR	26	12	154,5	61,8	9,6	108	179
035203	LiYCY 05X2X0,75 GR					11,8	128	208
030524	LiYCY 06X2X0,75 GR	26	12	186	74,4	11,9	146	246
034855	LiYCY 08X2X0,75 GR					14,7	180	306
031745	LiYCY 12X2X0,75 GR	26	12			15,8	261	390
031322	LiYCY 02X2X1 GR	19,5	19	154,5	61,8	8,5	84	136
031327	LiYCY 03X2X1 GR	19,5	19	157,5	63	8,6	103	174
031189	LiYCY 04X2X1 GR	19,5	19	165	66	10,4	132	226
032132	LiYCY 02X2X1,5 GR	13,3	24			11,3	116	168

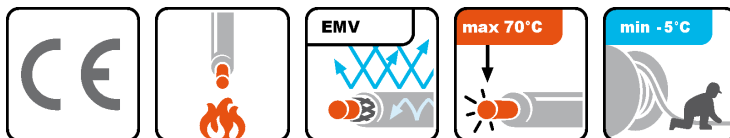
RI	conductor resistance
Ibl	ampacity (in air)
Rbb	bending radius, moved application
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC
screen:	Cu-braiding
screen coverage:	85 %
sheathing material:	PVC
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-30 - +80 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	10 x DA
insulation resistance:	100 MOhm x km
specific inductivity:	0,65 mH/km

	<i>LiYCY/EB</i>	<i>LiYCY/EB TP</i>
operating capacity:	120 nF/km	120 nF/km
nominal voltage U:	250 V	250 V
test voltage:	1,2 kV	1,2 kV
core identification:	numbers	colours acc. DIN 47100

Application: For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility. Due to the blue outer sheath the cable is suitable for application in intrinsical safe circuits.



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Table: Technical characteristics LiYCY/EB

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032848	LiYCY/EB 02X0,5 BL	5,4	36	29
031554	LiYCY/EB 03X0,5 BL	5,7	45	35
034844	LiYCY/EB 04X0,5 BL	6,3	54	46
034845	LiYCY/EB 12X0,5 BL	9,6	156	114
030697	LiYCY/EB 02X0,75 BL	5,9	56	35
030662	LiYCY/EB 03X0,75 BL	6,2	70	58
030734	LiYCY/EB 04X0,75 BL	6,8	95	66
032020	LiYCY/EB 05X0,75 BL	7,5	130	92
031598	LiYCY/EB 06X0,75 BL	8,1	155	85
030929	LiYCY/EB 07X0,75 BL	8,1	168	103
033761	LiYCY/EB 08X0,75 BL	9,4	145	110

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032644	LiYCY/EB 12X0,75 BL	10,8	202	151
032642	LiYCY/EB 18X0,75 BL	12,5	304	211
033762	LiYCY/EB 20X0,75 BL	13,3	363	238
033763	LiYCY/EB 25X0,75 BL	15,1	425	281
033764	LiYCY/EB 30X0,75 BL	15,6	486	319
033765	LiYCY/EB 34X0,75 BL	16,9	523	350
033766	LiYCY/EB 41X0,75 BL	18,3	680	397
031036	LiYCY/EB 02X1 BL	6,3	84	58
032284	LiYCY/EB 03X1 BL	6,5	106	78
031037	LiYCY/EB 04X1 BL	7,2	130	95
031718	LiYCY/EB 05X1 BL	7,7	140	98

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031038	LiYCY/EB 07X1 BL	8,5	192	160
032005	LiYCY/EB 12X1 BL	11,4	260	245
032006	LiYCY/EB 18X1 BL	13,4	340	286
031418	LiYCY/EB 24X1 BL	15	450	345
032060	LiYCY/EB 25X1 BL	16,1	534	396
033767	LiYCY/EB 34X1 BL	17,9	741	440
031914	LiYCY/EB 02X1,5 BL	7	97	78
031613	LiYCY/EB 03X1,5 BL	7,5	125	94
032144	LiYCY/EB 04X1,5 BL	8,2	170	128
031904	LiYCY/EB 05X1,5 BL	8,9	180	144
033768	LiYCY/EB 07X1,5 BL	9,6	233	159
033769	LiYCY/EB 12X1,5 BL	12,9	356	268
032643	LiYCY/EB 18X1,5 BL	15,5	528	373
031948	LiYCY/EB 24X1,5 BL	19,5	705	448
033770	LiYCY/EB 25X1,5 BL	19,5	720	530
033771	LiYCY/EB 30X1,5 BL	19	830	555

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
033470	LiYCY/EB 34X1,5 BL	20,8	900	645
034837	LiYCY/EB 02X2X0,5 BL	8,1	88	54
035710	LiYCY/EB 04X2X0,5 BL	9,1	132	82
032308	LiYCY/EB 12X2X0,5 BL	15,1	324	186
031949	LiYCY/EB 02X2X0,75 BL	9,5	106	60
031929	LiYCY/EB 04X2X0,75 BL	10,3	179	115
033773	LiYCY/EB 06X2X0,75 BL	13,3	236	146
035015	LiYCY/EB 10X2X0,75 BL	16	374	238
034921	LiYCY/EB 12X2X0,75 BL	16,8	430	270
034922	LiYCY/EB 16X2X0,75 BL	20	562	342
034925	LiYCY/EB 24X2X0,75 BL	24,3	794	490
034761	LiYCY/EB-JZ 03X1,5 BL	8	125	94
034762	LiYCY/EB-JZ 07X1,5 BL	10,5	233	159

Table: Technical characteristics LiYCY/EB TP

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
034837	LiYCY/EB 02X2X0,5 BL	8,1	88	54
035710	LiYCY/EB 04X2X0,5 BL	9,1	132	82
032308	LiYCY/EB 12X2X0,5 BL	15,1	324	186
031949	LiYCY/EB 02X2X0,75 BL	9,5	106	60
031929	LiYCY/EB 04X2X0,75 BL	10,3	179	115
033773	LiYCY/EB 06X2X0,75 BL	13,3	236	146

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035015	LiYCY/EB 10X2X0,75 BL	16	374	238
034921	LiYCY/EB 12X2X0,75 BL	16,8	430	270
034922	LiYCY/EB 16X2X0,75 BL	20	562	342
034925	LiYCY/EB 24X2X0,75 BL	24,3	794	490

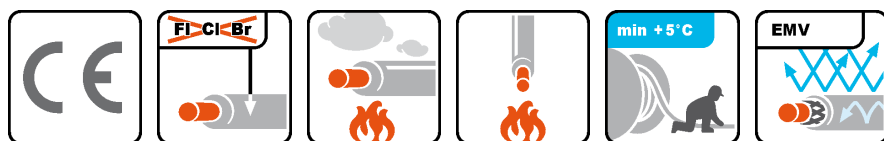
DA	outer diameter
G	weight
Cu	copper

Screened FRNC electronic cable LiHCH



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	FRNC compound HI1
screen:	Cu-braiding
sheathing material:	FRNC-compound HM1
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
bending radius, moved	15 x DA
application:	
operating capacity:	120 nF/km
nominal voltage U₀:	250 V
core identification:	colours acc. DIN 47100

Application: For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility.



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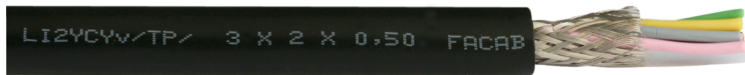
Table: Technical characteristics LiHCH

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
032665	LiHCH 02X0,14 GR	4,1	22	13		032683	LiHCH 10X0,25 GR	7,7	81	42,1	
032666	LiHCH 03X0,14 GR	4,3	25	14,1		032684	LiHCH 12X0,25 GR	7,9	117	59	
032667	LiHCH 04X0,14 GR	4,5	28	16		032685	LiHCH 16X0,25 GR	8,6	124	64	
032668	LiHCH 05X0,14 GR	4,8	32	20		035591	LiHCH 18X0,25 GR	9	126	78	
032669	LiHCH 06X0,14 GR	5,1	35	22		032686	LiHCH 25X0,25 GR	10,9	161	118	
032670	LiHCH 07X0,14 GR	5,2	39	24		031985	LiHCH 02X0,34 GR	5,1	30	17	
032671	LiHCH 08X0,14 GR	6	41	26		032687	LiHCH 03X0,34 GR	5,3	33	21	
032672	LiHCH 10X0,14 GR	6,4	56	29		031926	LiHCH 04X0,34 GR	5,9	59	28	
032673	LiHCH 12X0,14 GR	6,8	74	31,4		032688	LiHCH 05X0,34 GR	6,4	56	30	
032674	LiHCH 16X0,14 GR	7,2	90	43		032689	LiHCH 06X0,34 GR	7	59	36	
032675	LiHCH 25X0,14 GR	9,4	135	76		032690	LiHCH 07X0,34 GR	7,1	75	42	
032676	LiHCH 02X0,25 GR	4,7	24	15		032691	LiHCH 08X0,34 GR	8	84	45	
032677	LiHCH 03X0,25 GR	4,9	29	18		032692	LiHCH 10X0,34 GR	8,9	106	63	
032678	LiHCH 04X0,25 GR	5,2	35	22		032693	LiHCH 12X0,34 GR	9,1	133	80	
032679	LiHCH 05X0,25 GR	5,8	41	25		032694	LiHCH 16X0,34 GR	9,6	160	94	
032680	LiHCH 06X0,25 GR	6,2	49	30		032695	LiHCH 25X0,34 GR	12,5	232	144	
032681	LiHCH 07X0,25 GR	6,3	51	32		032696	LiHCH 02X0,5 GR	5,8	38	29	
032682	LiHCH 08X0,25 GR	7,3	58	35		032697	LiHCH 03X0,5 GR	6,1	47	35	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
032698	LiHCH 04X0,5 GR	6,5	62	45	
032104	LiHCH 05X0,5 GR	7,2	76	54	
032699	LiHCH 06X0,5 GR	7,8	84	59	
032700	LiHCH 07X0,5 GR	7,9	86	72	
032701	LiHCH 08X0,5 GR	8,9	135	75	
032702	LiHCH 10X0,5 GR	9,5	129	95	
032107	LiHCH 12X0,5 GR	9,8	148	101	
032105	LiHCH 18X0,5 GR	11,7	210	143	
032703	LiHCH 25X0,5 GR	13,9	319	211	
031966	LiHCH 02X0,75 GR	6,2	45	35	
031963	LiHCH 03X0,75 GR	6,5	60	46	
031833	LiHCH 04X0,75 GR	7,2	92	58	
031964	LiHCH 05X0,75 GR	7,8	97	70	
031967	LiHCH 07X0,75 GR	8,5	120	90	
032704	LiHCH 10X0,75 GR	10,7	169	131	
032085	LiHCH 12X0,75 GR	11,1	196	154	300
032705	LiHCH 18X0,75 GR	12,7	327	195	
032706	LiHCH 25X0,75 GR	15,5	454	280	
032662	LiHCH 02X1 GR	6,5	72	43	
032707	LiHCH 03X1 GR	7	90	56	
032664	LiHCH 04X1 GR	7,5	109	68	
032708	LiHCH 05X1 GR	8,2	126	79	
032709	LiHCH 07X1 GR	8,8	171	118	
032710	LiHCH 02X1,5 GR	7,7	90	58	
032711	LiHCH 03X1,5 GR	8,1	115	74	
032712	LiHCH 04X1,5 GR	8,7	153	108	
032713	LiHCH 05X1,5 GR	9,5	176	129	
031809	LiHCH 07X1,5 GR	10,7	220	164	
032714	LiHCH 02X2X0,14 GR	5,9	38	22,5	
032715	LiHCH 03X2X0,14 GR	6,2	48	26	
032716	LiHCH 04X2X0,14 GR	7,4	60	39,1	
032717	LiHCH 06X2X0,14 GR	8,2	86	51,4	
032718	LiHCH 08X2X0,14 GR	9,4	104	75	

DA	outer diameter
G	weight
Cu	copper
Fzv	tensile strength (during installation)

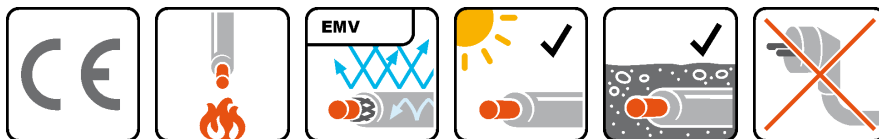
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{zv} [N]
032719	LiHCH 10X2X0,14 GR	9,9	116	78	
032720	LiHCH 12X2X0,14 GR	10,4	137	85	
032721	LiHCH 16X2X0,14 GR	10,7	154	95	
032722	LiHCH 20X2X0,14 GR	11,5	184	105	
032723	LiHCH 25X2X0,14 GR	12,7	238	118	
031872	LiHCH 02X2X0,25 GR	7,2	54	28	
031816	LiHCH 03X2X0,25 GR	7,3	66	39,6	
032658	LiHCH 04X2X0,25 GR	8,1	81	54,5	
031846	LiHCH 06X2X0,25 GR	9,1	115	69,5	
032724	LiHCH 08X2X0,25 GR	10,5	130	78	
032725	LiHCH 10X2X0,25 GR	11,2	155	110	
031817	LiHCH 12X2X0,25 GR	12,1	190	120	
032726	LiHCH 16X2X0,25 GR	12,8	238	147	
035170	LiHCH 18X2X0,25 GR	13,7	248	155	
032727	LiHCH 25X2X0,25 GR	16,3	344	205	
031818	LiHCH 02X2X0,5 GR	8,8	93	48,1	
031896	LiHCH 03X2X0,5 GR	9	129	73,7	
032728	LiHCH 04X2X0,5 GR	10,3	140	82	
032729	LiHCH 06X2X0,5 GR	11,4	187	110	
032730	LiHCH 08X2X0,5 GR	13,3	259	139	
032731	LiHCH 12X2X0,5 GR	16	342	199	
032732	LiHCH 02X2X0,75 GR	9,5	106	65	
032733	LiHCH 03X2X0,75 GR	10,1	138	92	
032659	LiHCH 04X2X0,75 GR	11,5	170	115	
032734	LiHCH 06X2X0,75 GR	13,4	241	146	
032735	LiHCH 08X2X0,75 GR	14,9	305	180	
032736	LiHCH 12X2X0,75 GR	18,3	441	270	
032036	LiHCH 02X2X1 GR	10,5	142	84	
032737	LiHCH 03X2X1 GR	10,6	173	86	
032738	LiHCH 04X2X1 GR	11,5	212	121	
032739	LiHCH 05X2X1 GR	12	266	161	



conductor material:	bare copper
conductor construction:	cl.2, 7-wired construction
insulation:	polyethylene
screen:	Cu-braiding
screen coverage:	75 %
sheathing material:	PVC, enforced
colour of outer sheath:	black
UV-resistant:	yes
max. operating temperature,	-30 - +80 °C
fixed:	
temperature, moved/during	0 - 60 °C
installation:	
bending radius, fixed	15 x DA
installation:	
specific inductivity:	0,4 mH/km

	<i>Li2YCYv</i>	<i>Li2YCYv (Kl. 5)</i>
operating capacity:	75 nF/km	75 nF/km
nominal voltage U:	250 V	250 V
test voltage:	2 kV	2 kV
core identification:	colours acc. DIN 47100	colours acc. DIN 47100

Application: For signal transmission in the mA-range under heavy environmental influences, in free air and for direct burial. The cable is suitable for Maxi-Thermi-Point contacting.



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Table: Technical characteristics Li2YCYv

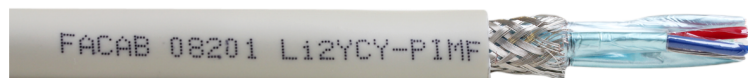
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031688	Li2YCYv 02X2X0,22 SW	7,9	46	20	031684	Li2YCYv 03X2X0,5 SW	10,3	109	53
031689	Li2YCYv 03X2X0,22 SW	8,2	67	26	031685	Li2YCYv 04X2X0,5 SW	11,1	122	60
031690	Li2YCYv 04X2X0,22 SW	8,8	83	31	031686	Li2YCYv 08X2X0,5 SW	13,9	234	106
031691	Li2YCYv 08X2X0,22 SW	10,5	129	54	031687	Li2YCYv 10X2X0,5 SW	15,8	284	148
031692	Li2YCYv 10X2X0,22 SW	12,1	164	65	032858	Li2YCYv 24X2X0,5 SW	22,8	595	363
035713	Li2YCYv 01X2X0,25 SW	6,9	31	15	036036	Li2YCYv 02X2X1 SW	11,7	178	64,2
031693	Li2YCYv 01X2X0,34 SW	7,4	44	20	031981	Li2YCYv 04X2X1 SW	14,5	263	132
031694	Li2YCYv 02X2X0,34 SW	9,1	68	29	034965	Li2YCYv 01X2X1,5 SW		153	56,3
031695	Li2YCYv 03X2X0,34 SW	9,5	79	38	034966	Li2YCYv 02X2X1,5 SW		223	95,2
031696	Li2YCYv 04X2X0,34 SW	10,1	95	47	032128	Li2YCYv 04X2X1,5 SW	12,2	314,6	187
031697	Li2YCYv 08X2X0,34 SW	12,6	165	78	034967	Li2YCYv 12X2X1,5 SW		1120	453
031698	Li2YCYv 10X2X0,34 SW	14,2	204	113					
031682	Li2YCYv 01X2X0,5 SW	7,9	61	28					
031683	Li2YCYv 02X2X0,5 SW	9,9	73	37					

Table: Technical characteristics Li2YCYv (Kl. 5)

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
036150	Li2YCYv 02X2X1 (Cl. 5) SW	11,4	178	66
036151	Li2YCYv 03X2X1 (Cl. 5) SW	11,8	253	99

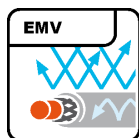
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
036152	Li2YCYv 02X1 (Cl. 5) SW	8,6	93	33

DA	outer diameter
G	weight
Cu	copper



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	polyethylene
stranding unit:	pair
screen over stranding unit:	foil
stranding:	pairs in layers
screen over strand:	Cu-braid, tinned
screen coverage:	80 %
sheathing material:	PVC
colour of outer sheath:	grey
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-15 - +70 °C
fixed:	
temperature, moved/during	-5 - +70 °C
installation:	
bending radius, fixed	12 x DA
installation:	
insulation resistance:	5000 MOhm x km
specific inductivity:	0,4 mH/km
operating capacity:	75 nF/km
nominal voltage U:	250 V
test voltage:	1 kV
core identification:	colours acc. DIN 47100

Application: Data cable with low operating capacity, pairs individually screened and common copper screen. Suitable for connection of control devices in environments with high level of electrical interferences. For fixed installation inside of buildings.



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Table: Technical characteristics Li2YCY PiMF

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031749	Li2YCY PiMF 02X2X0,22 GR	7,7	75	33
034575	Li2YCY PiMF 03X2X0,22 GR	8,1	86	35
034581	Li2YCY PiMF 10X2X0,34 GR	14,3	230	150
031796	Li2YCY PiMF 02X2X0,5 GR	9,7	96	47
031703	Li2YCY PiMF 03X2X0,5 GR	10,4	116	64
031797	Li2YCY PiMF 04X2X0,5 GR	11,4	141	109

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
034587	Li2YCY PiMF 02X2X0,75 GR	10,4	117	61
034589	Li2YCY PiMF 04X2X0,75 GR	12,4	222	141
032365	Li2YCY PiMF 02X2X1 GR	11,8	130	72
031778	Li2YCY PiMF 04X2X1 GR	14	360	187

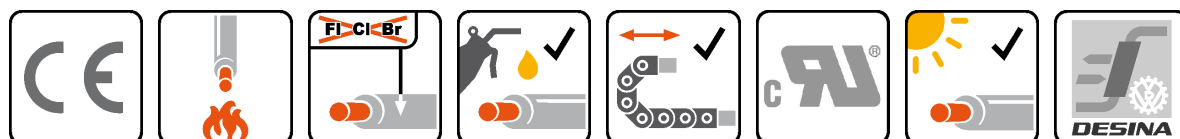
DA	outer diameter
G	weight
Cu	copper

drag chain cable FACAB EFK SC 12Y11Y

FACAB 10605 EFK SC 12Y11Y 1G16mm²

Specification/standard:	UL/CSA
conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	TPE
sheathing material:	polyurethan
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-50 - +80 °C
temperature, moved/during installation:	-40 - +80 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	7,5 x DA
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV

Application: Flexible control cable for permanent moved applications under heavy duty conditions. The cable is halogen-free, flame retardant and resistant against most often used chemical substances in industrial environment. Please pay attention to our installation instructions for drag-chain cables.



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Table: Technical characteristics FACAB EFK SC 12Y11Y

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
035314	FACAB EFK-SC12Y11Y-O 1X6 0,6/1 kV cUL SW/SW	7,1	58	88
035315	FACAB EFK-SC12Y11Y-O 1X10 0,6/1 kV cUL SW/SW	8	96	135
035316	FACAB EFK-SC12Y11Y-O 1X16 0,6/1 kV cUL SW/SW	9,4	154	205
035317	FACAB EFK-SC12Y11Y-O 1X25 0,6/1 kV cUL SW/SW	10,9	240	290
035318	FACAB EFK-SC12Y11Y-O 1X35 0,6/1 kV cUL SW/SW	13,2	336	411
035319	FACAB EFK-SC12Y11Y-O 1X50 0,6/1 kV cUL SW/SW	14,2	480	554

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
035320	FACAB EFK-SC12Y11Y-O 1X70 0,6/1 kV cUL SW/SW	16,5	672	773
035321	FACAB EFK-SC12Y11Y-O 1X95 0,6/1 kV cUL SW/SW	18,4	912	1066
035322	FACAB EFK-SC12Y11Y-O 1X120 0,6/1 kV cUL SW/SW	20,5	1152	1305
035323	FACAB EFK-SC12Y11Y-O 1X150 0,6/1 kV cUL SW/SW	23,5	1440	1616
035324	FACAB EFK-SC12Y11Y-O 1X185 0,6/1 kV cUL SW/SW	26,1	1776	2025
035698	FACAB EFK-SC12Y11Y-O 1X240 0,6/1 kV cUL SW/SW	27,5	2304	2730
035326	FACAB EFK-SC12Y11Y-J 1G6 0,6/1 kV cUL GG/SW	7,1	58	88
035327	FACAB EFK-SC12Y11Y-J 1G10 0,6/1 kV cUL GG/SW	8	96	135
035328	FACAB EFK-SC12Y11Y-J 1G16 0,6/1 kV cUL GG/SW	9,4	154	205
035329	FACAB EFK-SC12Y11Y-J 1G25 0,6/1 kV cUL GG/SW	10,9	240	290
035330	FACAB EFK-SC12Y11Y-J 1G35 0,6/1 kV cUL GG/SW	13,2	336	411
035331	FACAB EFK-SC12Y11Y-J 1G50 0,6/1 kV cUL GG/SW	14,2	480	554
035332	FACAB EFK-SC12Y11Y-J 1G70 0,6/1 kV cUL GG/SW	16,5	672	773
035333	FACAB EFK-SC12Y11Y-J 1G95 0,6/1 kV cUL GG/SW	18,4	912	1066
035334	FACAB EFK-SC12Y11Y-J 1G120 0,6/1 kV cUL GG/SW	20,5	1152	1305
035335	FACAB EFK-SC12Y11Y-J 1G150 0,6/1 kV cUL GG/SW	22,5	1440	1616
035336	FACAB EFK-SC12Y11Y-J 1G185 0,6/1 kV cUL GG/SW	26,1	1776	2025

DA	outer diameter
Cu	copper
G	weight

drag chain cable FACAB EFK SC 12YC11Y

FACAB 10605 EFK SC 12YC11Y 1x10mm² E

Specification/standard:	UL/CSA
conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	TPE
screen:	Cu-braid, tinned
screen coverage:	85 %
sheathing material:	polyurethan
colour of outer sheath:	orange RAL 2003 (DESINA)
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature,	-50 - +80 °C
fixed:	
temperature, moved/during	-40 - +80 °C
installation:	
bending radius, fixed	4 x DA
installation:	
bending radius, moved	7,5 x DA
application:	
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV

Application: Highly-flexible data cable for continuous mobile use under extreme conditions with particular requirements on EMC. It is applicable in standard drag chains without tensile load. The cable is flame retardant, and largely resistant against most chemicals used in industrial environment. Please pay attention to our instructions for the use of drag-chain cables.



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Table: Technical characteristics FACAB EFK SC 12YC11Y

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035337	FACAB EFK-SC12YC11Y-O 1X6 0,6/1 kV cUL SW/OR	7,6	123	79	035341	FACAB EFK-SC12YC11Y-O 1X35 0,6/1 kV cUL SW/OR	13,9	488	400,7
035338	FACAB EFK-SC12YC11Y-O 1X10 0,6/1 kV cUL SW/OR	8,5	177	127,6	035342	FACAB EFK-SC12YC11Y-O 1X50 0,6/1 kV cUL SW/OR	15,4	629	554,8
035339	FACAB EFK-SC12YC11Y-O 1X16 0,6/1 kV cUL SW/OR	9,9	241	186,2	035343	FACAB EFK-SC12YC11Y-O 1X70 0,6/1 kV cUL SW/OR	17,2	863	775,6
035340	FACAB EFK-SC12YC11Y-O 1X25 0,6/1 kV cUL SW/OR	11,4	354	258	035344	FACAB EFK-SC12YC11Y-O 1X95 0,6/1 kV cUL SW/OR	19,3	1193	1029

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035345	FACAB EFK-SC12YC11Y-O 1X120 0,6/1 kV cUL SW/OR	21,4	1452	1283
035346	FACAB EFK-SC12YC11Y-O 1X150 0,6/1 kV cUL SW/OR	23,4	1780	1570

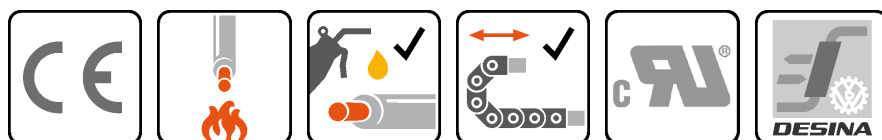
DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035347	FACAB EFK-SC12YC11Y-O 1X185 0,6/1 kV cUL SW/OR	27	2152	1935



Specification/standard:	UL/CSA
conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	PVC
sheathing material:	PVC
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA
Bending cycles, max.:	3 Mio.
Moving distance, max.:	10 m
nominal voltage U₀:	300 V
nominal voltage U:	500 V
core identification:	gn-ye + numbers

Application: Extremely flexible control cable for application in permanently moved production units (indoor). For use in free movement without tensile stress application and in drag-chains. The cable is flame retardant and resistant against most in industry environment occurring chemicals. Please pay attention to our instructions for the use of drag chain cable.



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Table: Technical characteristics FACAB EFK 310 Y

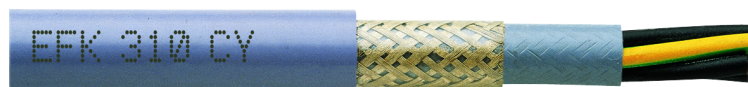
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035423	FACAB EFK 310 Y 2X0,5 cUL GR	6	44	10
035424	FACAB EFK 310 Y 3G0,5 cUL GR	6,3	48	14,4
035425	FACAB EFK 310 Y 4G0,5 cUL GR	6,9	60	19,2
035426	FACAB EFK 310 Y 5G0,5 cUL GR	7,5	72	24
035427	FACAB EFK 310 Y 7G0,5 cUL GR	9,1	104	34
035428	FACAB EFK 310 Y 10G0,5 cUL GR	10,6	142	48
035429	FACAB EFK 310 Y 12G0,5 cUL GR	10,9	148	58

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035430	FACAB EFK 310 Y 18G0,5 cUL GR	13,1	221	86,4
035431	FACAB EFK 310 Y 25G0,5 cUL GR	15,8	319	120
035432	FACAB EFK 310 Y 2X0,75 cUL GR	6,4	52	15
035433	FACAB EFK 310 Y 3G0,75 cUL GR	6,9	61	22
035434	FACAB EFK 310 Y 4G0,75 cUL GR	7,4	74	29
035435	FACAB EFK 310 Y 5G0,75 cUL GR	8,3	92	36
035436	FACAB EFK 310 Y 7G0,75 cUL GR	10	132	50,4

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035437	FACAB EFK 310 Y 10G0,75 cUL GR	11,6	181	72
035438	FACAB EFK 310 Y 12G0,75 cUL GR	12	190	86,4
035439	FACAB EFK 310 Y 18G0,75 cUL GR	14,3	284	130
035440	FACAB EFK 310 Y 25G0,75 cUL GR	17,3	406	180
035441	FACAB EFK 310 Y 2X1 cUL GR	6,7	60	19,2
035442	FACAB EFK 310 Y 3G1 cUL GR	7,2	71	29
035443	FACAB EFK 310 Y 4G1 cUL GR	7,8	88	38,4
035444	FACAB EFK 310 Y 5G1 cUL GR	8,7	109	48
035445	FACAB EFK 310 Y 7G1 cUL GR	10,5	156	67,2
035446	FACAB EFK 310 Y 10G1 cUL GR	12,2	213	96
035447	FACAB EFK 310 Y 12G1 cUL GR	12,8	233	115,2
035448	FACAB EFK 310 Y 18G1 cUL GR	15	339	173
035449	FACAB EFK 310 Y 25G1 cUL GR	18,2	489	240
035450	FACAB EFK 310 Y 2X1,5 cUL GR	7,6	80	29
035451	FACAB EFK 310 Y 3G1,5 cUL GR	8	94	43,2
035452	FACAB EFK 310 Y 4G1,5 cUL GR	8,9	118	58
035453	FACAB EFK 310 Y 5G1,5 cUL GR	10	147	72
035454	FACAB EFK 310 Y 7G1,5 cUL GR	12	210	101

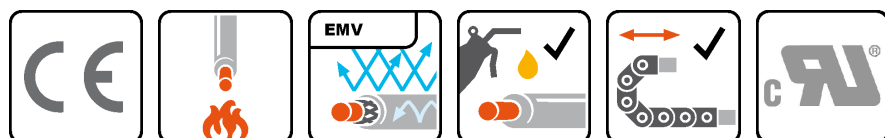
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035455	FACAB EFK 310 Y 10G1,5 cUL GR	13,1	309	144
035456	FACAB EFK 310 Y 12G1,5 cUL GR	14,6	314	173
035457	FACAB EFK 310 Y 18G1,5 cUL GR	17,4	466	259,2
035458	FACAB EFK 310 Y 25G1,5 cUL GR	21	670	360
035459	FACAB EFK 310 Y 2X2,5 cUL GR	9	117	48
035460	FACAB EFK 310 Y 3G2,5 cUL GR	9,7	154	72
035461	FACAB EFK 310 Y 4G2,5 cUL GR	10,6	173	96
035462	FACAB EFK 310 Y 5G2,5 cUL GR	11,8	216	120
035463	FACAB EFK 310 Y 7G2,5 cUL GR	14,5	311	168
035464	FACAB EFK 310 Y 12G2,5 cUL GR	17,5	468	288
035465	FACAB EFK 310 Y 3G4 cUL GR	11,9	238	115,2
035466	FACAB EFK 310 Y 4G4 cUL GR	13,1	284	154
035467	FACAB EFK 310 Y 5G4 cUL GR	14,5	352	192
035468	FACAB EFK 310 Y 3G6 cUL GR	13	312	173
035469	FACAB EFK 310 Y 4G6 cUL GR	14,4	368	230,4
035470	FACAB EFK 310 Y 5G6 cUL GR	16	498	288

DA	outer diameter
G	weight
Cu	copper



Specification/standard:	UL/CSA
conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	PVC
inner sheath:	PVC
screen:	Cu-braid, tinned
screen coverage:	85 %
sheathing material:	PVC
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	10 x DA
Bending cycles, max.:	3 Mio.
Moving distance, max.:	10 m
insulation resistance:	20 MOhm x km
nominal voltage U₀:	500 V
nominal voltage U:	300 V
core identification:	gn-ye + numbers

Application: Highly-flexible data cable for continuous moved use under extreme conditions with particular requirements on EMC. It is applicable in standard drag chains without tensile load. The cable is flame retardant, and largely resistant against most chemicals used in industrial environment. Please pay attention to our instructions for the use of drag-chain cables.



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Table: Technical characteristics FACAB EFK 310 CY

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035471	FACAB EFK 310 CY 2X0,5 cUL GR	7,7	98	32	035475	FACAB EFK 310 CY 7G0,5 cUL GR	11,3	201	68
035472	FACAB EFK 310 CY 3G0,5 cUL GR	8	107	38	035476	FACAB EFK 310 CY 10G0,5 cUL GR	12,9	249	94
035473	FACAB EFK 310 CY 4G0,5 cUL GR	9	131	45,4	035477	FACAB EFK 310 CY 12G0,5 cUL GR	13,2	272	105
035474	FACAB EFK 310 CY 5G0,5 cUL GR	9,8	153	53	035478	FACAB EFK 310 CY 18G0,5 cUL GR	15,6	379	142,2

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035479	FACAB EFK 310 CY 25G0,5 cUL GR	18,7	539	211,3
035480	FACAB EFK 310 CY 2X0,75 cUL GR	8,3	115	38,1
035481	FACAB EFK 310 CY 3G0,75 cUL GR	8,9	132	48
035482	FACAB EFK 310 CY 4G0,75 cUL GR	9,4	151	57
035483	FACAB EFK 310 CY 5G0,75 cUL GR	10,3	177	67
035484	FACAB EFK 310 CY 7G0,75 cUL GR	12	234	87,1
035485	FACAB EFK 310 CY 10G0,75 cUL GR	13,7	291	121,1
035486	FACAB EFK 310 CY 12G0,75 cUL GR	14,3	328	137,2
035487	FACAB EFK 310 CY 18G0,75 cUL GR	17,2	483	212,3
035488	FACAB EFK 310 CY 25G0,75 cUL GR	20,2	652	279
035490	FACAB EFK 310 CY 2X1 cUL GR	8,6	127	44,1
035491	FACAB EFK 310 CY 3G1 cUL GR	9,2	146	56
035492	FACAB EFK 310 CY 4G1 cUL GR	10	173	68
035493	FACAB EFK 310 CY 5G1 cUL GR	10,7	199	80,3
035494	FACAB EFK 310 CY 7G1 cUL GR	12,8	277	112,1
035495	FACAB EFK 310 CY 10G1 cUL GR	14,5	337	148
035496	FACAB EFK 310 CY 12G1 cUL GR	15,1	380	170
035497	FACAB EFK 310 CY 18G1 cUL GR	17,9	549	260,2
035498	FACAB EFK 310 CY 25G1 cUL GR	21,1	744	345
035499	FACAB EFK 310 CY 2X1,5 cUL GR	9,8	165	58
035500	FACAB EFK 310 CY 3G1,5 cUL GR	10,3	186	74

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035501	FACAB EFK 310 CY 4G1,5 cUL GR	11,2	221	91
035502	FACAB EFK 310 CY 5G1,5 cUL GR	12	256	109
035503	FACAB EFK 310 CY 7G1,5 cUL GR	14,3	357	152
035504	FACAB EFK 310 CY 10G1,5 cUL GR	15,6	475	218
035505	FACAB EFK 310 CY 12G1,5 cUL GR	17,5	528	258
035506	FACAB EFK 310 CY 18G1,5 cUL GR	20,3	726	359,1
035507	FACAB EFK 310 CY 25G1,5 cUL GR	24,3	1009	481,4
035508	FACAB EFK 310 CY 2X2,5 cUL GR	11,2	223	82
035509	FACAB EFK 310 CY 3G2,5 cUL GR	11,8	253	108
035510	FACAB EFK 310 CY 4G2,5 cUL GR	12,9	311	141,4
035511	FACAB EFK 310 CY 5G2,5 cUL GR	14,1	369	170
035512	FACAB EFK 310 CY 7G2,5 cUL GR	17,4	538	252
035513	FACAB EFK 310 CY 12G2,5 cUL GR	20,4	746	389
035514	FACAB EFK 310 CY 3G4 cUL GR	13,8	366	165
035515	FACAB EFK 310 CY 4G4 cUL GR	15,2	451	209
035516	FACAB EFK 310 CY 5G4 cUL GR	17,2	570	275,3
035517	FACAB EFK 310 CY 3G6 cUL GR	15,1	465	228
035518	FACAB EFK 310 CY 4G6 cUL GR	17,1	596	313
035519	FACAB EFK 310 CY 5G6 cUL GR	18,7	710	379

FACAB EFK 300 P 4x1,5 300/500 V



conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	TPE/PP
sheathing material:	polyurethan
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-50 - +80 °C
temperature, moved/during installation:	-40 - +80 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	7,5 x DA
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	3 kV
core identification:	gn-ye + numbers

Application: Flexible control cable for permanently moved applications under heavy duty conditions. The cable is halogen-free, flame retardant and resistant against most often used chemical substances in industrial environment. Please pay attention to our installation instructions for drag-chain cables.



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Table: Technical characteristics FACAB EFK 300 P

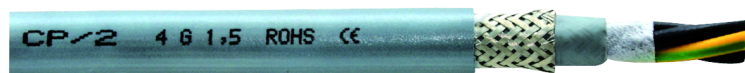
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032519	FACAB EFK 300 P 02X0,5 GR	5	36	10
031298	FACAB EFK 300 P 03G0,5 GR	5,2	57	14,4
030952	FACAB EFK 300 P 04G0,5 GR	5,7	56	19,2
035730	FACAB EFK 300 P 05G0,5 GR	6,1	57	25
032521	FACAB EFK 300 P 07G0,5 GR	7,4	79	34
031024	FACAB EFK 300 P 12G0,5 GR	9	176	58
032522	FACAB EFK 300 P 18G0,5 GR	10,4	186	86,4
031980	FACAB EFK 300 P 25G0,5 GR	12,7	196	120
031001	FACAB EFK 300 P 02X0,75 GR	5,4	57	15
031002	FACAB EFK 300 P 03G0,75 GR	5,7	73	22

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031003	FACAB EFK 300 P 04G0,75 GR	6,3	95	29
032526	FACAB EFK 300 P 05G0,75 GR	7,1	76	36
032527	FACAB EFK 300 P 07G0,75 GR	8,3	106	50,4
031029	FACAB EFK 300 P 12G0,75 GR	10,1	248	86,4
032528	FACAB EFK 300 P 18G0,75 GR	11,6	252	130
032529	FACAB EFK 300 P 20G0,75 GR	13,5	275	144

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032530	FACAB EFK 300 P 25G0,75 GR	14,1	351	180
031004	FACAB EFK 300 P 02X1 GR	5,8	65	19,2
031009	FACAB EFK 300 P 03G1 GR	6,1	84	29
031005	FACAB EFK 300 P 04G1 GR	6,8	111	38,4
031006	FACAB EFK 300 P 05G1 GR	7,4	138	48
031026	FACAB EFK 300 P 07G1 GR	8,9	182	67,2
031028	FACAB EFK 300 P 12G1 GR	10,7	261	115,2
031030	FACAB EFK 300 P 18G1 GR	12,8	390	173
031152	FACAB EFK 300 P 25G1 GR	15,5	445	240
032537	FACAB EFK 300 P 02X1,5 GR	6,8	65	29
031007	FACAB EFK 300 P 03G1,5 GR	7,2	110	47
031067	FACAB EFK 300 P 04G1,5 GR	8	134	58
030955	FACAB EFK 300 P 05G1,5 GR	8,7	168	72
031023	FACAB EFK 300 P 07G1,5 GR	10,5	232	101
031584	FACAB EFK 300 P 12G1,5 GR	12,8	305	173
031158	FACAB EFK 300 P 18G1,5 GR	15,2	507	259,2
031416	FACAB EFK 300 P 25G1,5 GR	18,2	647	360
032543	FACAB EFK 300 P 02X2,5 GR	7,8	115	48
031585	FACAB EFK 300 P 03G2,5 GR	8,2	143	72

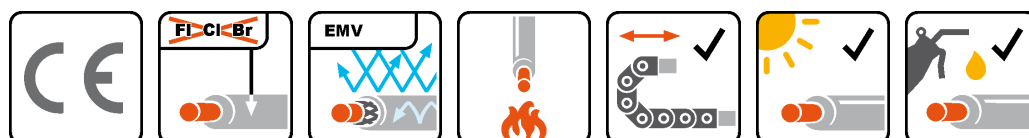
DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031580	FACAB EFK 300 P 04G2,5 GR	8,9	174	96
031022	FACAB EFK 300 P 05G2,5 GR	10	198	120
032094	FACAB EFK 300 P 07G2,5 GR	11,8	266	168
031428	FACAB EFK 300 P 12G2,5 GR	14,6	421	288
032544	FACAB EFK 300 P 18G2,5 GR	17,2	714	432
031420	FACAB EFK 300 P 04G4 GR	11,6	257	154
031619	FACAB EFK 300 P 04G6 GR	13,6	322	230,4
031775	FACAB EFK 300 P 04G10 GR	17,6	585	384
032550	FACAB EFK 300 P 04G16 GR	21,2	1006	614
031411	FACAB EFK 300 P 05G4 GR	12,9	337	201
032547	FACAB EFK 300 P 05G6 GR	15,2	509	288
032856	FACAB EFK 300 P 05G10 GR	19,5	817	480
034788	FACAB EFK 300 P 05G16 GR	23,6	1172	768
032546	FACAB EFK 300 P 07G4 GR	15,6	479	269
032548	FACAB EFK 300 P 07G6 GR	18,3	693	403,2
032549	FACAB EFK 300 P 07G10 GR	23,7	1054	672
032551	FACAB EFK 300 P 07G16 GR	28,6	1709	1075



conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	TPE/PP
screen:	Cu-braid, tinned
screen coverage:	85 %
sheathing material:	polyurethan
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-50 - +80 °C
temperature, moved/during installation:	-40 - +80 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	7,5 x DA
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	3 kV
core identification:	gn-ye + numbers

Application: Highly flexible control cable for the constantly moved equipment under extreme conditions indoor and outdoor combined with requirements to EMC. The cable is halogen-free, flame retardant and resistant against most in industry environment occurring chemicals. Please pay attention to our instructions for the use of drag chain cable.



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Table: Technical characteristics FACAB EFK 300 CP

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
031442	FACAB EFK 300 CP 02X0,5 GR	7,1	61	48
030954	FACAB EFK 300 CP 03G0,5 GR	7,4	104	53
032552	FACAB EFK 300 CP 04G0,5 GR	7,8	122	61
030958	FACAB EFK 300 CP 05G0,5 GR	8,2	131	66
031429	FACAB EFK 300 CP 07G0,5 GR	9,5	172	85

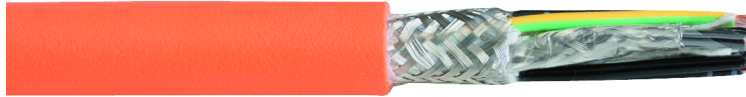
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032554	FACAB EFK 300 CP 12G0,5 GR	11	230	117
030959	FACAB EFK 300 CP 18G0,5 GR	12,8	321	157
032555	FACAB EFK 300 CP 20G0,5 GR	15,4	327	168
030957	FACAB EFK 300 CP 25G0,5 GR	15	445	228
032558	FACAB EFK 300 CP 02X0,75 GR	7,5	98	53

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032559	FACAB EFK 300 CP 03G0,75 GR	7,8	120	63
032560	FACAB EFK 300 CP 04G0,75 GR	8,3	83	77
032561	FACAB EFK 300 CP 05G0,75 GR	9	94	87
032562	FACAB EFK 300 CP 07G0,75 GR	10,3	125	107
032564	FACAB EFK 300 CP 12G0,75 GR	12,1	308	156
032565	FACAB EFK 300 CP 18G0,75 GR	13,8	420	235
032567	FACAB EFK 300 CP 25G0,75 GR	17	579	313
032570	FACAB EFK 300 CP 02X1 GR	8	65	60
032571	FACAB EFK 300 CP 03G1 GR	8,5	81	71
032572	FACAB EFK 300 CP 04G1 GR	9	96	88
031923	FACAB EFK 300 CP 05G1 GR	9,6	168	99
031986	FACAB EFK 300 CP 07G1 GR	11,2	240	128
030953	FACAB EFK 300 CP 12G1 GR	13	358,2	186
031919	FACAB EFK 300 CP 18G1 GR	15,3	418	280
032574	FACAB EFK 300 CP 25G1 GR	18,4	641	378
032581	FACAB EFK 300 CP 02X1,5 GR	9,1	134	79
032582	FACAB EFK 300 CP 03G1,5 GR	9,7	109	94
031910	FACAB EFK 300 CP 04G1,5 GR	10,3	217	119
032583	FACAB EFK 300 CP 05G1,5 GR	11	148	129
032584	FACAB EFK 300 CP 07G1,5 GR	12,7	325	170
032064	FACAB EFK 300 CP 12G1,5 GR	15	416	279
032065	FACAB EFK 300 CP 18G1,5 GR	17,6	564	394

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
032586	FACAB EFK 300 CP 25G1,5 GR	21	888	533
032591	FACAB EFK 300 CP 02X2,5 GR	10,1	198	104
032592	FACAB EFK 300 CP 03G2,5 GR	10,6	284	137
031556	FACAB EFK 300 CP 04G2,5 GR	11,6	321	165
032067	FACAB EFK 300 CP 05G2,5 GR	12,4	293	191
031918	FACAB EFK 300 CP 07G2,5 GR	14,7	418	275
031766	FACAB EFK 300 CP 12G2,5 GR	17,5	589	453
031767	FACAB EFK 300 CP 18G2,5 GR	20,6	885	607
031902	FACAB EFK 300 CP 04G4 GR	14,4	448	360
032596	FACAB EFK 300 CP 04G6 GR	16,6	612	348
032599	FACAB EFK 300 CP 04G10 GR	20,8	984	518
032602	FACAB EFK 300 CP 04G16 GR	24,6	1318	840
032089	FACAB EFK 300 CP 05G4 GR	15,7	505	328
032597	FACAB EFK 300 CP 05G6 GR	18,2	741	441
032600	FACAB EFK 300 CP 05G10 GR	22,7	1058	638
032603	FACAB EFK 300 CP 05G16 GR	27	1710	1050
032595	FACAB EFK 300 CP 07G4 GR	18,6	678	360
032598	FACAB EFK 300 CP 07G6 GR	21,6	1028	505
032601	FACAB EFK 300 CP 07G10 GR	27,1	1530	820
032604	FACAB EFK 300 CP 07G16 GR	32,4	2087	1510

SERVO cable FACAB EFK SERVO-CP acc. to INDRAMAT® Standard INK



Specification/standard:	UL/CSA
conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	TPE
screen coverage:	85 %
sheathing material:	polyurethan
colour of outer sheath:	orange RAL 2003 (DESINA)
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-50 - +80 °C
temperature, moved/during installation:	-40 - +80 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	7,5 x DA
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV
core identification:	gn-ye + numbers

Application: Connection cable between servo controller and frequency driven motor. For application in machine tools and drag chains with medium mechanical stress. Please pay attention to our instructions for the use of drag-chain cables.

Additional information: Indramat part numbers (INK...) are registered trade marks of Bosch Rexroth AG and used only as reference.



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Table: Technical characteristics FACAB EFK SERVO-CP INDGRAMAT

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035268	[4G0,75+(2X0,5)StD] OR cUL - INK-0670	10	145	88	035271	[4G2,5+2x(2x1)StC] OR cUL - INK-0602	14,8	326	229
035269	[4G1+2x(2x0,75)StC] OR cUL - INK-0653	12,3	226	170	035272	[4G4+(2x1,5)StC+(2x1,0)StC] OR cUL - INK-0603	17	458	318
035270	[4G1,5+2x(2x0,75)StC] OR cUL - INK-0650	12,3	260	189	035165	[4G6+(2x1,5)StC+(2x1,0)StC] OR cUL - INK-0604	18,5	584	445

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035273	[4G10+(2x1,5)StC+(2x1,0)StC] OR cUL - INK-0605	21,9	846	610
035274	[4G16+2x(2x1,5)StC] OR cUL - INK-0606	25,5	1154	904
035275	[4G25+2x(2x1,5)StC] OR cUL - INK-0607	29,5	1588	1323

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035276	[4G35+2x(2x1,5)StC] OR cUL - INK-0667	31	2097	1645
035804	[4G50+2x(2x1,5)StC] OR cUL - INK-0668	37,4	2980	2600

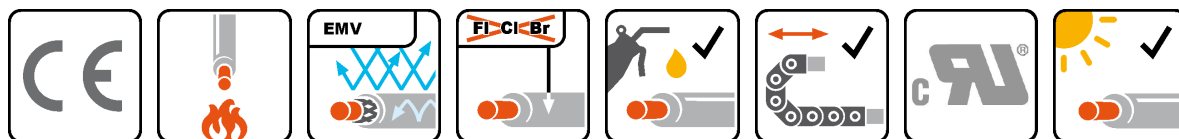
drag chain cable FACAB EFK Feedback-CP acc. to INDRAMAT® Standard INK



Specification/standard:	UL/CSA
conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	TPE
screen:	Cu-braid, tinned
screen coverage:	85 %
sheathing material:	polyurethan
colour of outer sheath:	orange RAL 2003
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-50 - +80 °C
temperature, moved/during installation:	-40 - +80 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	7,5 x DA
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
nominal voltage U₀:	300 V
nominal voltage U:	300 V
core identification:	according to Indramat-specification

Application: Connection cable between encoder/resolver and servo controller. For application in machine tools and drag chains with medium mechanical stress. Please pay attention to our instructions for the use of drag-chain cables.

Additional information: Indramat part numbers (INK...) are registered trade marks of Bosch Rexroth AG and used only as reference.



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Table: Technical characteristics FACAB EFK Feedback-CP Indramat

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035278	[4X2X0,25 + 2X0,5] OR cUL - INK-0448	9	95	70	035282	[3X0,25+3X(2X0,25)D+2X1] OR cUL - INK-0280- INK-0280	10	143	93,1
035279	[4X2X0,25 + 2X1] OR cUL - INK-0209	9,1	118	93	035283	[2X2X0,25+2X0,5] OR cUL - INK-0750	7,6	84	51,2
035280	[9X0,5] OR cUL - INK-0208	9,1	119	81					
035281	[4X1+4X2X0,14+(4X0,14)] OR cUL - INK-0532 INK-0532	9,7	142	85					

DA	outer diameter
G	weight
Cu	copper

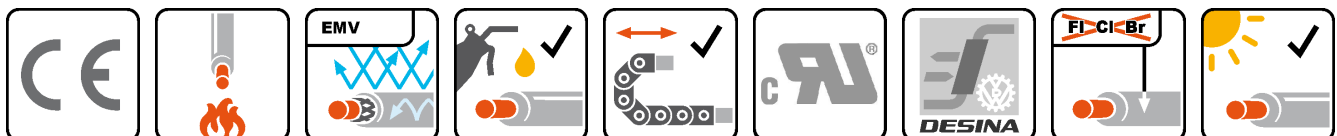
SERVO cable FACAB EFK SERVO-CP acc. to Siemens Standard 6FX8008+



Specification/standard:	UL/CSA
conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	polypropylen
screen:	Cu-braid, tinned
screen coverage:	85 %
sheathing material:	polyurethan
colour of outer sheath:	orange RAL 2003 (DESINA)
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-50 - +80 °C
temperature, moved/during installation:	-40 - +80 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	7,5 x DA
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
test voltage:	4 kV
core identification:	acc. to Siemens specification

Application: Low capacity connection cable between servo controller and frequency driven motor. For application in machine tools and drag chains with medium mechanical stress. Please pay attention to our instructions for the use of drag-chain cables.

Additional information: Siemens part numbers (6FX...) are registered trade marks of Siemens AG and used only as reference.



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Table: Technical characteristics FACAB EFK SERVO-CP Siemens

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035285	[4G1,5] 0,6/1 kV OR cUL - 6FX8008-1BB11	9	159	90	035288	[4G6] 0,6/1 kV OR cUL - 6FX8008-1BB411	14,7	464	315
035286	[4G2,5] 0,6/1 kV OR cUL - 6FX8008-1BB21	10,6	235	135	035289	[4G10] 0,6/1 kV OR cUL - 6FX8008-1BB51	17,5	672	488
035287	[4G4] 0,6/1 kV OR cUL - 6FX8008-1BB31	11,9	323	205,5	035290	[4G16] 0,6/1 kV OR cUL - 6FX8008-1BB61	21,6	1089	769

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035291	[4G25] 0,6/1 kV OR cUL - 6FX8008-1BB25	25,4	1523	1100
035292	[4G35] 0,6/1 kV OR cUL - 6FX8008-1BB35	28,6	2080	1510
035293	[4G50] 0,6/1 kV OR cUL - 6FX8008-1BB50	33,4	2710	2130
035294	[4G70] 0,6/1 kV OR cUL - 6FX8008-1BB70	42,5	4123	3025
035295	[4G1,5+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA116FX8008-1BA1	11,6	244	163,5
035296	[4G2,5+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA21 6FX8008-1BA21	13,4	310	189
035297	[4G4+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA316FX8008-1BA3	14,8	408	260,5

DA	outer diameter
G	weight
Cu	copper

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035298	[4G6+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA41	16,8	540	365
035299	[4G10+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA516FX8008-1BA5	19,9	782	560
035300	[4G16+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA616FX8008-1BA6	22,5	1101	816
035301	[4G25+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA256FX8008-1BA2	26,2	1490	1172
035302	[4G35+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA356FX8008-1BA3	29,8	2015	1595
035303	[4G50+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA50	34	2754	2214

drag chain cable FACAB EFK Feedback-CP acc. to Siemens Standard 6FX8008+

FACAB 10605 EFK FEEDBACK CP 6FX8008-1BD21 4x2x0



Specification/standard:	UL/CSA
conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	polypropylen
screen:	Cu-braid, tinned
screen coverage:	85 %
sheathing material:	polyurethan
colour of outer sheath:	green RAL 6018 (DESINA)
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature, fixed:	-50 - +80 °C
temperature, moved/during installation:	-40 - +80 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	7,5 x DA
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
nominal voltage U:	300 V
core identification:	acc. to Siemens specification

Application: Connection cable between encoder/resolver and servo controller. For application in machine tools and drag chains with medium mechanical stress. Please pay attention to our instructions for the use of drag-chain cables.

Additional information: Siemens part numbers (6FX...) are registered trade marks of Siemens AG and used only as reference.



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Table: Technical characteristics FACAB EFK Feedback-CP Siemens

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
035306	[8X2X0,18] GN cUL - 6FX8008-1BD11	7,8	54	88
035307	[4X2X0,38+4X0,5] GN cUL - 6FX8008-1BD216FX8008-1B	8,9	83	123
035308	[3X(2X0,14)+2X(0,5)] GN cUL - 6FX8008-1BD316FX8008-1B	9	74	109

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
035309	[3X(2X0,14)+4X0,14+2X0,5] GN cUL - 6FX8008-1BD416FX8008-1B[	8,9	66	106
035310	[3X(2X0,14)+4X0,14+2X0,5+4 GN cUL - 6FX8008-1BD51	9,5	86	136
035311	[4X2X0,18] GN cUL - 6FX8008-1BD61	6,4	35	57
035312	[2X2X0,18] GN cUL - 6FX8008-1BD71	5	24	40
035313	[12X0,25] GN cUL - 6FX8008-1BD81	6,9	65	79

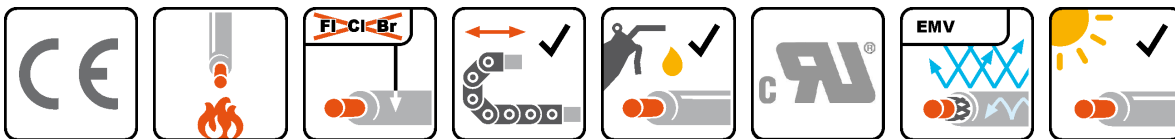
DA	outer diameter
Cu	copper
G	weight

drag chain cable FACAB EFK Li9YC11Y



conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	polypropylen
screen:	Cu-braid, tinned
screen coverage:	85 %
sheathing material:	polyurethan
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
oil resistant:	EN 60811-2-1
max. operating temperature,	-50 - +80 °C
fixed:	
temperature, moved/during	-40 - +80 °C
installation:	
bending radius, fixed	4 x DA
installation:	
bending radius, moved	7,5 x DA
application:	
Bending cycles, max.:	5 Mio.
Moving distance, max.:	100 m
operating capacity:	80 nF/km
nominal voltage U:	300 V
test voltage:	2 kV
core identification:	colours acc. DIN 47100

Application: High-flexible and low-capacity data cable for continuous mobile use under extreme conditions with particular requirements on EMC. The cable is halogen-free, flame resistant, hydrolysis- and microbe-resistant and largely oil-resistant. Please note our instructions for the use of drag-chain cables.



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Table: Technical characteristics FACAB EFK Li9YC11Y

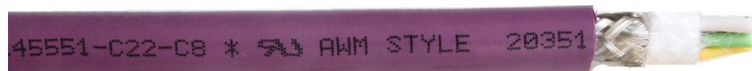
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035350	FACAB EFK Li9YC11Y 2X0,14 cUL GR	4,1	28	13
035351	FACAB EFK Li9YC11Y 3X0,14 cUL GR	4,3	31	15
035352	FACAB EFK Li9YC11Y 4X0,14 cUL GR	4,5	35	17
035353	FACAB EFK Li9YC11Y 5X0,14 cUL GR	4,8	40	19,4
035354	FACAB EFK Li9YC11Y 7X0,14 cUL GR	5,7	56	28
p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035355	FACAB EFK Li9YC11Y 10X0,14 cUL GR	6,3	70	39,3
035356	FACAB EFK Li9YC11Y 12X0,14 cUL GR	6,5	59	35
035357	FACAB EFK Li9YC11Y 14X0,14 cUL GR	6,9	84	45,3
035358	FACAB EFK Li9YC11Y 18X0,14 cUL GR	7,5	99	54,1
035524	FACAB EFK Li9YC11Y 25X0,14 cUL GR	8,9	132	68,4

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035359	FACAB EFK Li9YC11Y 2X0,25 cUL GR	4,5	33	16,3
035360	FACAB EFK Li9YC11Y 3X0,25 cUL GR	4,7	39	19,4
035361	FACAB EFK Li9YC11Y 4X0,25 cUL GR	5	45	23
035362	FACAB EFK Li9YC11Y 5X0,25 cUL GR	5,6	58	31
035363	FACAB EFK Li9YC11Y 7X0,25 cUL GR	6,4	72	40
035364	FACAB EFK Li9YC11Y 10X0,25 cUL GR	7,3	92	54
035365	FACAB EFK Li9YC11Y 12X0,25 cUL GR	7,5	84	51
035366	FACAB EFK Li9YC11Y 14X0,25 cUL GR	7,8	114	64,2
035367	FACAB EFK Li9YC11Y 18X0,25 cUL GR	8,7	138	78,4
035368	FACAB EFK Li9YC11Y 25X0,25 cUL GR	10,3	184	101
035369	FACAB EFK Li9YC11Y 2X0,34 cUL GR	4,7	38	19
035370	FACAB EFK Li9YC11Y 3X0,34 cUL GR	4,9	49	29
035371	FACAB EFK Li9YC11Y 4X0,34 cUL GR	5,5	62	36
035372	FACAB EFK Li9YC11Y 5X0,34 cUL GR	5,8	68	39,1
035373	FACAB EFK Li9YC11Y 7X0,34 cUL GR	6,9	91	53
035374	FACAB EFK Li9YC11Y 10X0,34 cUL GR	7,7	118	67,4
035375	FACAB EFK Li9YC11Y 12X0,34 cUL GR	7,9	99	63
035376	FACAB EFK Li9YC11Y 14X0,34 cUL GR	8,5	150	86
035377	FACAB EFK Li9YC11Y 18X0,34 cUL GR	9,2	177	100
035378	FACAB EFK Li9YC11Y 25X0,34 cUL GR	10,9	251	155
035379	FACAB EFK Li9YC11Y 2X2X0,14 cUL GR	5,8	42	20
035380	FACAB EFK Li9YC11Y 3X2X0,14 cUL GR	6,2	53	26
035381	FACAB EFK Li9YC11Y 4X2X0,14 cUL GR	6,7	59	30
035382	FACAB EFK Li9YC11Y 5X2X0,14 cUL GR	7,2	75	37,4
035383	FACAB EFK Li9YC11Y 6X2X0,14 cUL GR	7,8	91	49,4
035384	FACAB EFK Li9YC11Y 8X2X0,14 cUL GR	8,3	109	55
035385	FACAB EFK Li9YC11Y 10X2X0,14 cUL GR	9,3	120	60,1
035386	FACAB EFK Li9YC11Y 14X2X0,14 cUL GR	10	168	73
035387	FACAB EFK Li9YC11Y 2X2X0,25 cUL GR	6,7	56	32
035388	FACAB EFK Li9YC11Y 3X2X0,25 cUL GR	6,8	66	38,4
035389	FACAB EFK Li9YC11Y 4X2X0,25 cUL GR	7,5	76	43,2
035390	FACAB EFK Li9YC11Y 5X2X0,25 cUL GR	8	91	52

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035391	FACAB EFK Li9YC11Y 6X2X0,25 cUL GR	8,8	112	72
035392	FACAB EFK Li9YC11Y 8X2X0,25 cUL GR	10,4	140	74,4
035393	FACAB EFK Li9YC11Y 10X2X0,25 cUL GR	10,9	159	90
035394	FACAB EFK Li9YC11Y 14X2X0,25 cUL GR	11,9	192	111,2
035653	FACAB EFK Li9YC11Y 18X2X0,25 cUL GR	11,9	282	125
035395	FACAB EFK Li9YC11Y 2X2X0,34 cUL GR	7	81	35
035396	FACAB EFK Li9YC11Y 3X2X0,34 cUL GR	7,2	101	45
035397	FACAB EFK Li9YC11Y 4X2X0,34 cUL GR	8	119	53
035398	FACAB EFK Li9YC11Y 5X2X0,34 cUL GR	8,5	149	64
035399	FACAB EFK Li9YC11Y 6X2X0,34 cUL GR	9,4	165	74
035400	FACAB EFK Li9YC11Y 8X2X0,34 cUL GR	10,4	221	90
035401	FACAB EFK Li9YC11Y 10X2X0,34 cUL GR	11,4	274	110
035402	FACAB EFK Li9YC11Y 14X2X0,34 cUL GR	12,5	384	144
035403	FACAB EFK Li9YC11Y 2X2X0,5 cUL GR	8,4	92	50
035404	FACAB EFK Li9YC11Y 3X2X0,5 cUL GR	8,5	114	65
035405	FACAB EFK Li9YC11Y 4X2X0,5 cUL GR	9,2	129	72,2
035406	FACAB EFK Li9YC11Y 5X2X0,5 cUL GR	10,2	148	78,3
035407	FACAB EFK Li9YC11Y 6X2X0,5 cUL GR	11	170	91
035408	FACAB EFK Li9YC11Y 8X2X0,5 cUL GR	13,3	246	124,1
035409	FACAB EFK Li9YC11Y 10X2X0,5 cUL GR	14,2	286	146,4
035410	FACAB EFK Li9YC11Y 14X2X0,5 cUL GR	15,5	346	190
035411	FACAB EFK Li9YC11Y 2X2X0,75 cUL GR	9,1	108	65
035412	FACAB EFK Li9YC11Y 3X2X0,75 cUL GR	9,4	144	86,3
035413	FACAB EFK Li9YC11Y 4X2X0,75 cUL GR	10,2	160	97
035414	FACAB EFK Li9YC11Y 5X2X0,75 cUL GR	11,3	164	106
035415	FACAB EFK Li9YC11Y 6X2X0,75 cUL GR	12,3	214	130,4
035416	FACAB EFK Li9YC11Y 8X2X0,75 cUL GR	14,7	305	192,2
035417	FACAB EFK Li9YC11Y 10X2X0,75 cUL GR	15,7	382	258
035418	FACAB EFK Li9YC11Y 14X2X0,75 cUL GR	17,5	474	317
035419	FACAB EFK Li9YC11Y 2X2X1 cUL GR	10	124	79,4
035420	FACAB EFK Li9YC11Y 3X2X1 cUL GR	10,1	158	108
035421	FACAB EFK Li9YC11Y 4X2X1 cUL GR	11	183	121,4

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
035422	FACAB EFK LI9YC11Y 5X2X1 cUL GR	12,3	220	139,4

DA	outer diameter
G	weight
Cu	copper



conductor material:	bare copper
insulation:	foam-PE
covering of strand:	Plastic-foil
screen:	Cu-braid, tinned
sheathing material:	PVC
colour of outer sheath:	violet
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
UV-resistant:	yes
oil resistant:	yes
max. operating temperature,	-40 - +80 °C
fixed:	
temperature, moved/during	-10 - +70 °C
installation:	
bending radius, fixed	8 x DA
installation:	
bending radius, moved	15 x DA
application:	
impedance:	120 Ohm
operating capacity:	40 nF/km
nominal voltage U:	250 V
core identification:	colours acc. DIN 47100

Application: CAN-bus cable is used in the area of automation technology for the networking of controllers and control devices according to ISO 11898.



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Table: Technical characteristics CAN-Bus PVC

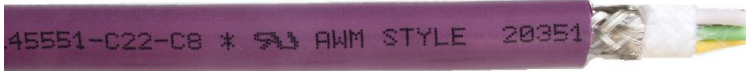
p/n	part name	DA [mm]	Cu [kg/km]	G [kg]
101120	CAN-Bus PVC 01X2X0,22 UL/CSA VL fuer feste Verlegung	6	17	38
100621	CAN-Bus PVC 02X2X0,22 UL/CSA VL fuer feste Verlegung	7,5	36	70
100613	CAN-Bus PVC 01X2X0,34 UL/CSA VL for fixed installation	6,6	23	55
100961	CAN-Bus PVC 02X2X0,34 UL/CSA VL fuer feste Verlegung	8,5	46,4	88
100945	CAN-Bus PVC 01X2X0,5 UL VL fuer feste Verlegung	7,3	42	83
100574	CAN-Bus PVC 02X2X0,5 UL/ CSA VL fuer feste Verlegung	9	59,4	106

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101559	CAN-Bus PVC Kombi 01X2XAWG 20 + 2X1,5 VL		62	115

DA	outer diameter
Cu	copper
G	weight

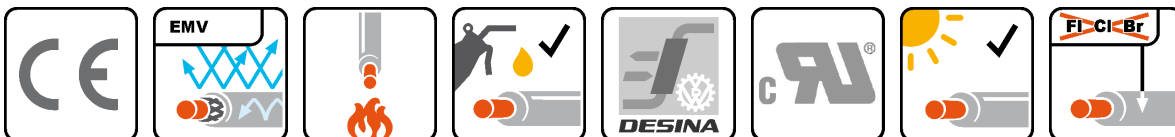
www.faberkabel.de

CAN-Bus-Cable (PUR)



conductor material:	bare copper
insulation:	foam-PE
covering of strand:	Plastic-foil
screen:	Cu-braid, tinned
sheathing material:	polyurethan
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	yes
UV-resistant:	yes
oil resistant:	EN 60811-2-1
max. operating temperature,	-40 - +70 °C
fixed:	
temperature, moved/during	-30 - +70 °C
installation:	
bending radius, fixed	8 x DA
installation:	
bending radius, moved	15 x DA
application:	
impedance:	120 Ohm
operating capacity:	40 nF/km
nominal voltage U:	250 V
core identification:	colours acc. DIN 47100

Application: CAN-bus cable is used in the area of automation technology for the networking of controllers and control devices according to ISO 11898.



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Table: Technical characteristics CAN-Bus PUR

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101632	CAN-Bus EFK PUR 02X2X0,25 UL/CSA for drag chain	8,4	33	68
101121	CAN-Bus EFK PUR 01X2X0,5 UL/CSA for drag chain	8,2	42	72
100573	CAN-Bus EFK PUR 02X2X0,5 UL/CSA for drag chain	10,8	59,4	106

DA	outer diameter
Cu	copper
G	weight



conductor material: bare copper
conductor construction: solid, class 1
insulation: PVC TI1
stranding unit: pair
stranding: layers
sheathing material: PVC TM1
flame retardant: VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, -30 - +70 °C
fixed:
specific inductivity: 680 mH/km

	<i>FACAB EIB</i>	<i>FACAB EIB FRNC</i>
operating capacity:	100 nF/km	100 nF/km
loop resistance:	73,2 Ohm/km	73,2 Ohm/km
nominal voltage U:	300 V	300 V
test voltage:	4 kV	4 kV
core identification:	colours acc. VDE 0815	colours acc. VDE 0815

Application: Due to the increased test voltage and the special marking the cable is desined as bus cable in the EIB/KNX facility control system according to EN 50090. For the Instabus itself is used only the red/black pair (transmission of 24 V supply voltage plus data packages), the second pair (white/yellow) is redundant. The cable may be installed on or under plaster, in ducts and installation channels in dry or wet rooms.



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Table: Technical characteristics FACAB EIB

p/n	part name	D _I [mm]	D _A [mm]	Cu [kg/km]	G [kg]
101010	FACAB EIB-Busleitung 02X2X0,8 GN	0,8	6,3	21	55
101011	FACAB EIB-Busleitung 04X2X0,8 GN	0,8	8,8	41	92

Table: Technical characteristics FACAB EIB FRNC

p/n	part name	D _I [mm]	D _A [mm]	Cu [kg/km]	G [kg]
101049	FACAB EIB-Busleitung halogenfrei 02X2X0,8 GN	0,8	6,3	21	55

DI	diameter of conductor
DA	outer diameter
Cu	copper
G	weight

conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	PVC
stranding unit:	pair
stranding:	layers
inner sheath:	PVC
screen:	Plastic coated Al-foil + solid copper drain wire
sheathing material:	polyethylene
colour of outer sheath:	black
UV-resistant:	yes
max. operating temperature,	-5 - +70 °C
fixed:	
bending radius, fixed	10 x DA
installation:	
specific inductivity:	680 mH/km

Application: Due to the increased test voltage and the special marking the cable is designed as bus cable in the EIB/KNX facility control system according to EN 50090. For the Instabus itself is used only the red/black pair (transmission of 24 V supply voltage plus data packages), the second pair (white/yellow) is redundant. The cable may be installed on or under plaster, in ducts and buried in ground.



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Table: Technical characteristics

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101639	FACAB EIB-bus cable 02X2X0,8 direct burial	6,3	21	55

DA	outer diameter
Cu	copper
G	weight



conductor material:	tinned copper
conductor construction:	fine stranded, class 5
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor:	85 °C
max. operating temperature, fixed:	-40 - +85 °C
temperature, moved/during installation:	-30 - +85 °C
bending radius, fixed installation:	3 x DA
bending radius, moved application:	6 x DA
nominal voltage U:	300 V
test voltage:	2 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: As field bus cable for the lowest level (binary sensors and actuators). The cable is suitable for fixed laying and flexible use indoors.

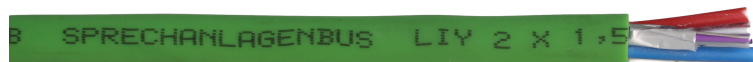


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Table: Technical characteristics FACAB AS-Interface BUS

p/n	part name	R _I [Ω/km]	b [mm]	h [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
100568	FACAB AS-Interface BUS Gummi 02X1,5 GE	13,7	10	4		29	57
100569	FACAB AS-Interface BUS Gummi 02X1,5 SW	13,7	10	4		29	57
100570	FACAB AS-Interface BUS TPE 02X1,5 GE	13,7	10	4	50	29	57
100571	FACAB AS-Interface BUS TPE 02X1,5 SW	13,7	10	4	50	29	57
101025	FACAB AS-Interface BUS PUR 02X1,5 GE	13,7	10	4	50	29	57
101126	FACAB EFK AS-Interface BUS PUR 02X1,5 GE	13,7	10	4	50	30	57

R _I	conductor resistance
b	width of (flat) cable
h	height of (flat) cable
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight



conductor material: bare copper
max. operating temperature, -30 - +80 °C
fixed:
temperature, moved/during -5 - +50 °C
installation:
bending radius, fixed 8 x DA
installation:
bending radius, moved 12 x DA
application:
insulation resistance: 20 MOhm x km

operating capacity: 70 nF/km
test voltage: 2 kV

Construction:

2 signal pairs (PE-insulation, green-yellow + gray-violet) in metalfoil with drain wire
 2 power cores (PVC- or FRNC-insulation, blue - red)
 outer sheath PVC (green) or FRNC (gray)



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics Inter-communication Bus

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100503	Sprechanlagen-Bus LiY 02X1,5 + Li2Y 02X2X0,6 GN	8,5	53	90
100533	Sprechanlagen-Bus FRNC LiH 02X1,5 + Li2Y 02X2X0,6 GR	8,5	57	90

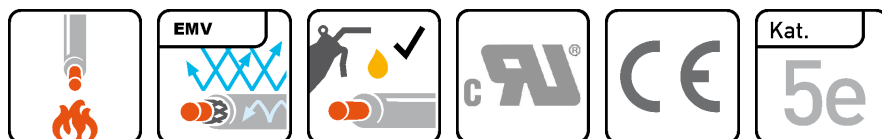
DA	outer diameter
Cu	copper
G	weight

FACAB Industrial dataline

200 Y acc. to UL/CSA

conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	polyethylene
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	PVC
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	10 x DA
installation:	
impedance:	100 Ohm
velocity factor:	0,67 v/c
operating capacity:	52 nF/km
test voltage:	0,7 kV
core identification:	white, yellow, blue, orange

Application: For connection of IT system units in the desktop and distribution area in industrial environments (INDUSTRIAL ETHERNET). For use in dry and wet rooms under medium mechanical stress.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FACAB Industrial dataline 200 Y

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101305	FACAB Industrial Dataline 200 Inst. SFTP PVC Kat.5e 2X2XAWG22/1 cUL gruen, aehnlich RAL 6018	6,5	33	72

DA	outer diameter
Cu	copper
G	weight

FACAB Industrial dataline 200 P acc. to UL/CSA



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	foam-skin
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	polyurethan
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	10 x DA
installation:	
impedance:	100 Ohm
velocity factor:	0,73 v/c
operating capacity:	48 nF/km
test voltage:	0,7 kV
core identification:	colours acc. IEC 60708

Application: For connection of IT system units in the desktop and distribution area in industrial environments (INDUSTRIAL ETHERNET). For use in dry and wet rooms as well as temporary outdoors under medium mechanical stress.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FACAB Industrial dataline 200 P

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101309	FACAB Industrial Dataline 200 Inst. SFTP PUR Kat.5e 2X2XAWG24/1 FRNC cUL blau, ähnlich RAL 5021	5,8	24	49
101311	FACAB Industrial Dataline 200 Inst. SFTP PUR Kat.5e 4X2XAWG24/1 FRNC cUL blau, ähnlich RAL 5021	6,2	33	62

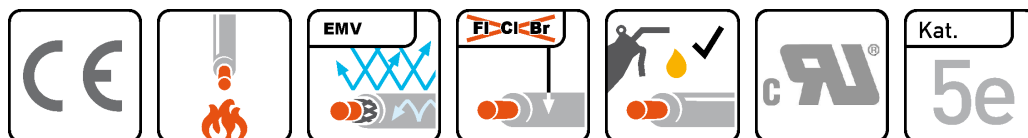
DA	outer diameter
Cu	copper
G	weight

FACAB Industrial dataline 200 flex acc. to UL/CSA



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	foam-skin
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	polyurethan
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
bending radius, moved	12 x DA
application:	
impedance:	100 Ohm
velocity factor:	0,75 v/c
operating capacity:	48 nF/km
test voltage:	0,7 kV
core identification:	colours acc. IEC 60708

Application: For connection of IT system units in the desktop and distribution area in industrial environments (INDUSTRIAL ETHERNET). For use in dry and wet rooms as well as temporary outdoors under medium mechanical stress. The AWG 26 version may be connected with RJ 45 plugs.



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Table: Technical characteristics FACAB Industrial dataline 200 flex

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101307	FACAB Industrial Dataline 200 Flex SFTP PUR Kat.5e 4X2XAWG26/7 FRNC cUL blau, aehnlich RAL 5021	6,4	25	54
101310	FACAB Industrial Dataline 200 Inst. SFTP PUR Kat.5e 2X2XAWG26/7 FRNC cUL gruen, aehnlich RAL 6018	5,7	20	43

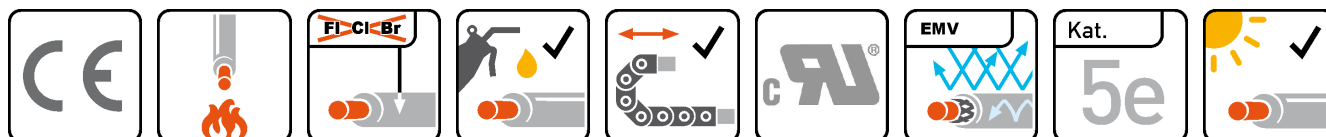
DA	outer diameter
Cu	copper
G	weight

FACAB Industrial dataline 200 EFK P acc. to UL/CSA



conductor material:	bare copper
conductor construction:	fine stranded class 6
insulation:	polyethylene
screen:	Cu-braid, tinned
sheathing material:	polyurethan
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
bending radius, moved	10 x DA
application:	
impedance:	100 Ohm
velocity factor:	0,67 v/c
operating capacity:	48 nF/km
test voltage:	0,7 kV
core identification:	colours acc. IEC 60708

Application: For connection of IT system units in the desktop and distribution area in industrial environments (INDUSTRIAL ETHERNET). For use in dry and wet rooms as well as temporary outdoors under medium mechanical stress.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FACAB Industrial dataline 200 EFK P

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101321	FACAB Industrial Dataline 200 EFK SFTP PUR Kat.5e 2X2XAWG22/19 FRNC cUL, green similar RAL 6018	6,5	31,3	63
101304	FACAB Industrial Dataline 200 EFK SFTP PUR Kat.5e 4X2XAWG26/19 FRNC cUL, blue similar RAL 5021	7,2	30	58
101358	FACAB Industrial Dataline 200 EFK SFTP PUR Kat.5e DriveCliq 2X2XAWG26/19+1X2XAWG2: FRNC green	6,9	40	70

DA	outer diameter
Cu	copper
G	weight

FACAB Industrial dataline 1000 Y acc. to UL/CSA

FACAB industrial dataline 1000 Y



conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	foam-skin
screen over stranding unit:	foil
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	PVC
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	10 x DA
installation:	
impedance:	100 Ohm
velocity factor:	0,75 v/c
operating capacity:	42 nF/km
test voltage:	0,7 kV
core identification:	colours acc. IEC 60708

Application: For connection of IT system units in the desktop and distribution area in industrial environments (INDUSTRIAL ETHERNET). For use in dry and wet rooms under medium mechanical stress.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FACAB Industrial dataline 1000 Y

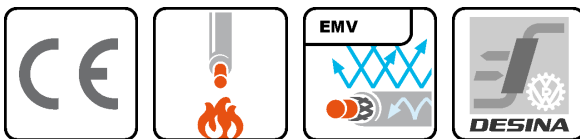
p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101308	FACAB Industrial Dataline 1000 Inst. STP PVC Kat.7 4X2XAWG22/1 PiMF cUL gruen, aehnlich RAL 6018	9	53	98

DA	outer diameter
Cu	copper
G	weight



conductor material:	bare copper
insulation:	foam-skin
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	PVC
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
impedance:	150 Ohm
operating capacity:	30 nF/km
loop resistance:	110 Ohm/km
nominal voltage U:	250 V
core identification:	red, green

Application: "PROFIBUS" is an international Fieldbus-standard for universal application in factory and process automation. For fixed indoor installation.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FIELD- and PROFIBUS cable

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100575	Profibus PVC L2/FIP/DP/ FMS 2Y(St)CY 01X2X0,64 VL	7,8	26	57
100576	Profibus Fast Connect L2/ FIP/DP/FMS 2YY(St)CY 01X2X0,64 VL	7,8	26	60
100577	Profibus PVC-Kombileitung L2/FIP/DP/FMS 2Y(St)CY 01X2X0,64 + 03X1 VL	9,8	49	92

DA	outer diameter
Cu	copper
G	weight

Profi-Bus-cable L2-FIP, DP, FMS 150, FRNC



conductor material:	bare copper
insulation:	polyethylene
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	special FRNC compound
flame retardant:	VDE 0482-266-2-2/IEC 60332-3-22 (Cat. A)
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
impedance:	150 Ohm
operating capacity:	30 nF/km
loop resistance:	110 Ohm/km
nominal voltage U:	250 V
core identification:	red, green

Application: PROFIBUS is an international Fieldbus-standard for universal application in factory and process automation.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FIELD- and PROFIBUS cable

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101723	Profibus L2/FIP/DP/FMS Insta. FRNC 2Y(St)CH 01X2X0,64 violet sheath	7,8	30,1	55
100544	Profibus FRNC L2/FIP/DP/ FMS 2Y(St)CH 01X2X0,64 green sheath	7,8	30,1	55

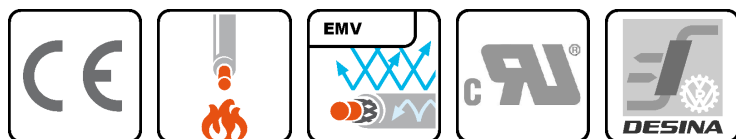
DA	outer diameter
Cu	copper
G	weight

Profi-Bus-cable L2-FIP, DP, FMS 150, UL/CSA



conductor material:	bare copper
insulation:	foam-skin
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	PVC
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
impedance:	150 Ohm
operating capacity:	30 nF/km
loop resistance:	110 Ohm/km
nominal voltage U:	250 V
core identification:	red, green

Application: "PROFIBUS" is an international Fieldbus-standard for universal application in factory and process automation. For fixed indoor installation.



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Table: Technical characteristics FIELD- and PROFIBUS cable

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100579	Profibus UL/CSA L2 FIP/DP/ FMS 2Y(St)CY 01X2X0,64 VL	7,8	26	57

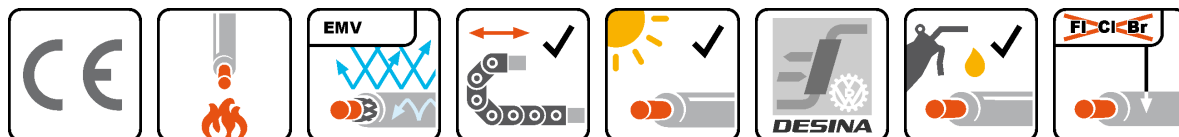
DA	outer diameter
Cu	copper
G	weight

Profi-Bus-Cable L2-FIP, DP, FMS 150, EFK



conductor material:	bare copper
insulation:	foam-skin
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	polyurethan
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
impedance:	150 Ohm
operating capacity:	30 nF/km
nominal voltage U:	250 V
core identification:	red, green

Application: "PROFIBUS" is an international Fieldbus-standard for universal application in factory and process automation. For installation in drag-chains.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FIELD- and PROFIBUS cable

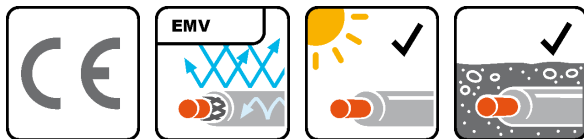
p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100578	Profibus EFK PUR L2/FIP/ DP/FMS 01X2X0,64 VL	8,1	28	64

DA	outer diameter
Cu	copper
G	weight

Profi-Bus-cable L2-FIP, DP, FMS 150 for outdoor and direct earth burial

conductor material:	bare copper
insulation:	foam-skin
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	polyethylene
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
UV-resistant:	yes
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
impedance:	150 Ohm
operating capacity:	30 nF/km
loop resistance:	110 Ohm/km
nominal voltage U:	250 V
core identification:	red, green

Application: "PROFIBUS" is an international Fieldbus-standard for universal application in factory and process automation. For fixed installation indoors, outdoors and in ground.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FIELD- and PROFIBUS cable

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100488	Profibus Erdverlegung L2/ FIP/DP/FMS 2Y(St)CY2Y 01X2X0,64 SW	10	26	87

DA	outer diameter
Cu	copper
G	weight

Profi-Bus-Cable L2-FIP, DP, FMS 150 EFK kombi

conductor material:	bare copper
insulation:	foam-skin
inner sheath:	TPE
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	TPE
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-20 - +60 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
impedance:	150 Ohm
operating capacity:	30 nF/km
nominal voltage U:	250 V
core identification:	red, green

Application: "PROFIBUS" is an international Fieldbus-standard for universal application in factory and process automation. For application in drag chains.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FIELD- and PROFIBUS cable

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101131	Profibus EFK-Kombi L2/ FIP/DP/FMS 01X2X0,65 + 04X1X1,5 VL mit UL-Style	11,3	90	159

DA	outer diameter
Cu	copper
G	weight

Profi-Bus-Cable L2-FIP, DP, FMS 150 EFK UL/CSA

conductor material:	bare copper
insulation:	foam-skin
inner sheath:	polyurethan
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	polyurethan
colour of outer sheath:	black
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
impedance:	150 Ohm
operating capacity:	30 nF/km
loop resistance:	110 Ohm/km
nominal voltage U:	250 V
core identification:	red, green

Application: "PROFIBUS" is an international Fieldbus-standard for universal application in factory and process automation. For indoor and outdoor installation in drag-chains.



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Table: Technical characteristics FIELD- and PROFIBUS cable

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101323	Profibus EFK-Kombi L2/ FIP/DP/FMS 01X2X0,65 + 02X1X1,5 SW mit UL-Style	11,3	60	140

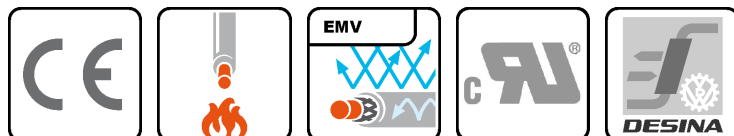
DA	outer diameter
Cu	copper
G	weight

Profi-Bus-Cable L2-FIP, DP, FMS 150 Fast Connect UL/CSA



conductor material:	bare copper
conductor construction:	Strand, 7-wired construction
insulation:	foam-skin
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	PVC
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
impedance:	150 Ohm
operating capacity:	30 nF/km
loop resistance:	110 Ohm/km
nominal voltage U:	250 V
core identification:	red, green

Application: "PROFIBUS" is an international Fieldbus-standard for universal application in factory and process automation. For fixed indoor installation.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FIELD- and PROFIBUS cable

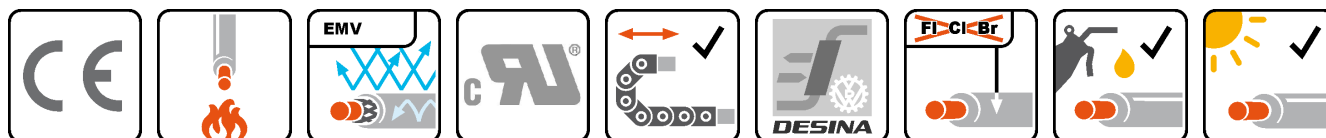
p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101301	Profibus PVC L2/FIP/DP/ FMS Fast Connect, cUL 01X2X0,64/7 VL	7,9	26	73

DA	outer diameter
Cu	copper
G	weight

Profi-Bus-Cable L2-FIP, DP, FMS 150, Fast Connect, FRNC, UL/CSA



conductor material:	bare copper
insulation:	foam-skin
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	polyurethan
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-40 - +80 °C
fixed:	
bending radius, fixed	8 x DA
installation:	
bending radius, moved	10 x DA
application:	
impedance:	150 Ohm
operating capacity:	30 nF/km
nominal voltage U:	250 V
core identification:	red, green



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Table: Technical characteristics FIELD- and PROFIBUS cable

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101302	Profibus EFK PUR L2/FIP/ DP/FMS Fast Connect, FRNC cUL 01X2XAWG 24/19 VL	8	26	83

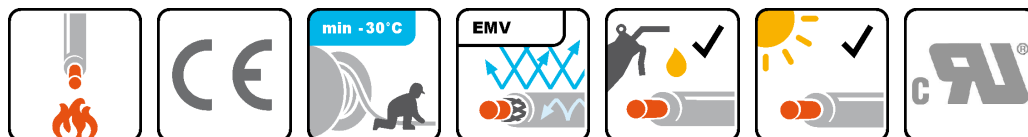
DA	outer diameter
Cu	copper
G	weight

PROFIBUS cable Prozessautomation (PA) acc. to UL/CSA AWM 2571



conductor material:	bare copper
conductor construction:	Strand, 7-wired construction
insulation:	polyethylene
covering of strand:	PET-foil
screen:	aluminium-foil + copper-braiding, tinned
screen coverage:	85 %
sheathing material:	special PVC-compound
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	yes
max. operating temperature,	-40 - +80 °C
fixed:	
temperature, moved/during	-5 - +80 °C
installation:	
bending radius, fixed	5 x DA
installation:	
impedance:	100 Ohm
insulation resistance:	5000 MOhm x km
loop resistance:	44 Ohm/km
core identification:	red, green

Application: PROFIBUS is a international fieldbus standard for universal application in production and process control.



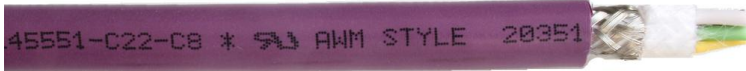
The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics Profibus-PA

p/n	part name	D _I [mm]	D _A [mm]	E _v [kWh/m]	Cu [kg/km]	G [kg]
101057	Profibus PA UL/CSA FR 01X2XAWG 18/7 SW Wellenwiderstand 100 +- 20 Ohm	1,2	7,9	0,247	45	73
101056	Profibus PA UL/CSA FR 01X2XAWG 18/7 BL Wellenwiderstand 100 +- 20 Ohm	1,2	7,9	0,247	45	73

DI	diameter of conductor
DA	outer diameter
Ev	combustion energy
Cu	copper
G	weight

Interbus cable (IBS)



conductor material:	bare copper
conductor construction:	fine stranded class 5 or class 6
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +70 °C
installation:	
bending radius, fixed	8 x DA
installation:	
bending radius, moved	15 x DA
application:	
impedance:	100 Ohm
operating capacity:	60 nF/km
nominal voltage U:	250 V
test voltage:	1,5 kV
core identification:	colours acc. DIN 47100

Application: For connection of INTERBUS components (sensors, actors) with control units.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics Interbus cable (IBS)

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100517	Interbus Fernbus 03X2X0,22 VL fuer feste Verlegung (RBC)	7,3	37	72
100737	Interbus Fernbus EFK 03X2X0,25 VL fuer Schleppkette (RBC)	8	40	77
100738	Interbus Installations- Fernbus EFK 03X1,0 + 03X2X0,25 VL fuer Schleppkette (INBC)	7,9	70	86

DA	outer diameter
Cu	copper
G	weight

drag chain cable FACAB BUS DeviceNet EFK



conductor material:	tinned copper
conductor construction:	fine stranded class 6
screen over stranding unit:	Plastic coated Al-foil + copper drain wire, tinned
screen over strand:	Cu-braid, tinned
sheathing material:	polyurethan
colour of outer sheath:	violet
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-25 - +80 °C
fixed:	
temperature, moved/during	-30 - +70 °C
installation:	
bending radius, fixed	8 x DA
installation:	
bending radius, moved	15 x DA
application:	
impedance:	120 Ohm
nominal voltage U:	300 V
core identification:	white/blue + red/black

Application: DeviceNet(TM) cables are designed for connecting of electrical components to the bus-system, developed by Allen Bradley (Rockwell Automation). The thick version usually is used as trunk cable, whereas the thinner version is used as drop cable.



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Table: Technical characteristics FACAB BUS DeviceNet EFK

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100842	DeviceNet (TM) FRNC 1X2X AWG 18 + 1X2X AWG 15 EFK Thick VL UL-Style CMX 75 C CL2X	12,3	94	197
100843	DeviceNet (TM) FRNC 1X2X AWG 24 + 1X2X AWG 22 EFK Thin VL UL-Style CMX 75 C CL2X	7,3	36	65

DA	outer diameter
Cu	copper
G	weight

FOUNDATION FIELDBUS BUS- FF acc. to UL/CSA CMG/PLTC-ER

conductor material:	bare copper
conductor construction:	Strand, 7-wired construction
insulation:	polyolefin
stranding unit:	pair
covering of strand:	PET-foil
screen:	Plastic coated Al-foil + copper drain wire, tinned
screen coverage:	85 %
sheathing material:	special PVC-compound
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
UV-resistant:	yes
oil resistant:	yes
max. operating temperature, fixed:	-40 - +80 °C
temperature, moved/during installation:	-10 - +70 °C
bending radius, fixed installation:	5 x DA
bending radius, moved application:	10 x DA
impedance:	100 Ohm
insulation resistance:	5000 MOhm x km
operating capacity:	60 nF/km
loop resistance:	43,8 Ohm/km
nominal voltage U:	300 V
test voltage:	1,5 kV
core identification:	orange, blue

Application: Foundation Fieldbus cable for use in process automation, maximum transmission distance up to 1900 m.



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Table: Technical characteristics

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101621	FOUNDATION(TM) FELDBUS TYP 1A 01X2XAWG 18/7 FR 100 Ohm OR UL 13 & IEC 61158-2	7,3	34	75

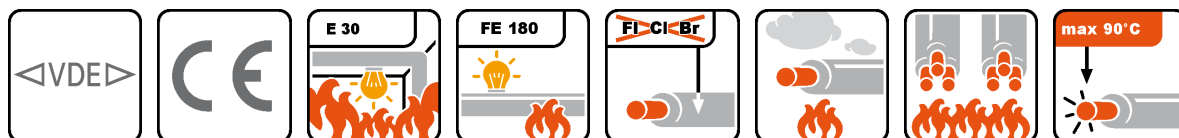
DA	outer diameter
Cu	copper
G	weight

FRNC power cable NHXH FE180/E30 acc. to VDE 0266



conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	FRNC compound HI1
sheathing material:	FRNC-compound HM1
colour of outer sheath:	orange
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
fire resistance:	FE 180 (IEC 60331)
circuit integrity:	E 30
maximum temperature at conductor:	90 °C
max. operating temperature,	-5 - +70 °C
fixed:	
bending radius, fixed installation:	12 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in ground and not for use in water. The cable has improved flame retardant and may be used in public buildings with high safety requirements. Cables are halogen free, low smoke density and are fire resistant according to VDE 0472 part 814 (180 min., = IEC 60331). Furthermore the cable passed the test of 30 min. circuit integrity according to DIN 4102 part 12 (E 30) for all so called standard-installation systems (ladder, tray and ceiling) and is suitable for installation in fire alarm systems, safety lightning and other emergency electrical supply systems according to VDE 0108. A special test certificate about the circuit integrity is issued by the "Amtlichen Materialprüfanstalt für das Bauwesen". For calculation of electrical systems with circuit integrity has to be considered that electrical resistance of copper conductors at 800 °C is approximately four times higher than at 20 °C and the current carrying capacity is reduced respectively.



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Table: Technical characteristics NHXH-J/-O E30

p/n	part name		R _I [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
011238	NHXH-O E30 01X4 RE OR	RE	4,61	44	120	6,9	38	100
011240	NHXH-O E30 01X6 RE OR	RE	3,08	56	135	7,9	58	120
011229	NHXH-O E30 01X10 RE OR	RE	1,83	77	150	8,1	96	160
011232	NHXH-O E30 01X16 OR		1,15	102	180	8,9	154	200
011235	NHXH-O E30 01X25 RM OR	RM	0,727	138	195	10,9	240	310
011237	NHXH-O E30 01X35 RM OR	RM	0,524	170	225	11,9	336	410

p/n	part name		R _l [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
011239	NHXX-O E30 01X50 RM OR	RM	0,387	207	240	12,9	480	540
011241	NHXX-O E30 01X70 RM OR	RM	0,268	263	270	15,9	672	740
011242	NHXX-O E30 01X95 RM OR	RM	0,193	325	300	17,9	912	1020
011230	NHXX-O E30 01X120 RM OR	RM	0,153	380	330	18,9	1152	1380
011231	NHXX-O E30 01X150 RM OR	RM	0,124	437	360	20,9	1440	1560
011233	NHXX-O E30 01X185 RM OR	RM	0,0991	507	405	23,9	1776	1930
012034	NHXX-J E30 01X185 OR	RM	0,0991			23,9	1776	1930
011234	NHXX-O E30 01X240 RM OR	RM	0,0754	604	450	26,9	2304	2540
012198	NHXX-J E30 01X240 RM OR	RM	0,0754			26,9	2304	2540
011236	NHXX-O E30 01X300 RM OR	RM	0,0601	697	495	32,9	2880	3180
011243	NHXX-O E30 02X1,5 RE OR	RE	12,1	24	145,2	10,2	29	190
011246	NHXX-O E30 02X2,5 RE OR	RE	7,41	32	146,4	10,9	48	220
011248	NHXX-O E30 02X4 RE OR	RE	4,61	42	158,4	11,9	77	270
011249	NHXX-O E30 02X6 RE OR	RE	3,08	53	170,4	12,8	115	320
011244	NHXX-O E30 02X10 RE OR	RE	1,83	73	196,8	14,4	192	430
011245	NHXX-O E30 02X16 OR		1,15	97	234	17,3	307	620
011247	NHXX-O E30 02X25 RM OR	RM	0,727	135	267,6	21,1	480	900
011044	NHXX-J E30 03X1,5 RE OR	RE	12,1	24	156	10,9	43	210
011171	NHXX-J E30 03X2,5 RE OR	RE	7,41	32	168	11,9	72	260
011172	NHXX-J E30 03X4 RE OR	RE	4,61	42	180	12,9	115	320
011194	NHXX-J E30 03X6 RE OR	RE	3,08	53	192	13,9	173	400
011182	NHXX-J E30 03X10 RE OR	RE	1,83	73	216	15,9	288	550
011185	NHXX-J E30 03X16 OR		1,15	97	264	17,9	461	790
011251	NHXX-J E30 03X25 RM OR	RM	0,727	135	300	23,9	720	1150
011253	NHXX-J E30 03X35 RM OR	RM	0,524	165	324	25,9	1008	1490
011255	NHXX-J E30 03X50 RM OR	RM	0,387	201	348	28,9	1440	1980
011257	NHXX-J E30 03X70 RM OR	RM	0,268	255	396	31,9	2016	2830
011252	NHXX-J E30 03X25/16 RM OR	RM	0,727	135	324	23,4	874	1500
011254	NHXX-J E30 03X35/16 RM OR	RM	0,524	165	348	26,9	1162	1800
011256	NHXX-J E30 03X50/25 RM OR	RM	0,387	201	432	29,9	1680	2600
011258	NHXX-J E30 03X70/35 RM OR	RM	0,268	255	480	34,9	2352	3400
011186	NHXX-J E30 03X95/50 RM OR	RM	0,193	314	552	38,9	3216	4600
011269	NHXX-J E30 03X120/70 RM OR	RM	0,153	364	600	42,9	4128	5700
011270	NHXX-J E30 03X150/70 RM OR	RM	0,124	416	648	46,9	4992	6800
011271	NHXX-J E30 03X185/95 RM OR	RM	0,0991	480	720	52,9	6240	8500
011272	NHXX-J E30 03X240/120 RM OR	RM	0,0754	565	756	58,8	8064	11000
011188	NHXX-J E30 04X1,5 RE OR	RE	12,1	24	180	11,9	58	240
011045	NHXX-J E30 04X2,5 RE OR	RE	7,41	32	192	12,9	96	300
011217	NHXX-J E30 04X4 RE OR	RE	4,61	42	204	13,9	154	390
011218	NHXX-J E30 04X6 RE OR	RE	3,08	53	228	14,9	230	490
011219	NHXX-J E30 04X10 RE OR	RE	1,83	73	252	16,9	384	670
011220	NHXX-J E30 04X16 OR		1,15	97	300	19,9	614	950
011221	NHXX-J E30 04X25 RM OR	RM	0,727	135	312	24,9	960	1430
011189	NHXX-J E30 04X35 RM OR	RM	0,524	165	348	27,9	1344	1890
011222	NHXX-J E30 04X50 RM OR	RM	0,387	201	408	31,9	1920	2510
011196	NHXX-J E30 04X70 RM OR	RM	0,268	255	456	36,9	2688	3650
011261	NHXX-J E30 04X95 RM OR	RM	0,193	314	528	40,9	3648	4750

p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
011259	NHXXH-J E30 04X120 RM OR	RM	0,153	364	576	44,9	4608	5910
011260	NHXXH-J E30 04X150 RM OR	RM	0,124	416	624	49,9	5760	7240
011190	NHXXH-J E30 05X1,5 RE OR	RE	12,1	24	216	12,9	72	280
011046	NHXXH-J E30 05X2,5 RE OR	RE	7,41	32	228	13,9	120	354
011192	NHXXH-J E30 05X4 RE OR	RE	4,61	42	192	14,9	192	450
011193	NHXXH-J E30 05X6 RE OR	RE	3,08	53	264	16,9	288	570
011173	NHXXH-J E30 05X10 RE OR	RE	1,83	73	300	18,9	480	820
011195	NHXXH-J E30 05X16 OR		1,15	97	324	22,9	768	1140
011262	NHXXH-J E30 05X25 RM OR	RM	0,727	135	372	26,6	1200	1710
012469	NHXXH-J E30 05X35 OR	RM	0,524	165		30,5	1680	2384
011047	NHXXH-J E30 07X1,5 RE OR	RE	12,1	24	192	13,9	101	330
013127	NHXXH-J E30 10X1,5 RE OR	RE	12,1			18	144	580
011214	NHXXH-J E30 12X1,5 RE OR	RE	12,1	24	246	18,9	173	500
011263	NHXXH-J E30 19X1,5 RE OR	RE	12,1	24	288	21,9	274	720
011265	NHXXH-J E30 24X1,5 RE OR	RE	12,1	24	336	24,9	346	890
011267	NHXXH-J E30 30X1,5 RE OR	RE	12,1	24	372	25,9	432	1090
011223	NHXXH-J E30 07X2,5 RE OR	RE	7,41	32	216	14,9	168	430
012838	NHXXH-J E30 10X2,5 RE OR	RE	7,41	32		18	240	522
011180	NHXXH-J E30 12X2,5 RE OR	RE	7,41	32	276	21,9	288	650
013662		RE	7,41	32	260	21,6	336	676
011264	NHXXH-J E30 19X2,5 RE OR	RE	7,41	32	312	23,9	456	950
011266	NHXXH-J E30 24X2,5 RE OR	RE	7,41	32	366	26,9	576	1210
011268	NHXXH-J E30 30X2,5 RE OR	RE	7,41	32	390	28,9	720	1470

RI	conductor resistance
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

FRNC power cable NHXCH FE180/E30 acc. to VDE 0266



conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	FRNC compound HI1
concentric conductor:	Cu
sheathing material:	FRNC-compound HM1
colour of outer sheath:	orange
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
fire resistance:	FE 180 (IEC 60331)
circuit integrity:	E 30
maximum temperature at conductor:	90 °C
max. operating temperature,	-5 - +70 °C
fixed:	
bending radius, fixed	12 x DA
installation:	
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted	1,2 kV
operating voltage in 3-phase	
systems:	
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in ground and not for use in water. The cable has improved flame retardant and may be used in public buildings with high safety requirements. Cables are halogen free, low smoke density and are fire resistant according to VDE 0472 part 814 (180 min., = IEC 60331). Furthermore the cable passed the test of 30 min. circuit integrity according to DIN 4102 part 12 (E 30) for all so called standard-installation systems (ladder, tray and ceiling) and is suitable for installation in fire alarm systems, safety lightning and other emergency electrical supply systems according to VDE 0108. A special test certificate about the circuit integrity is issued by the "Amtlichen Materialprüfanstalt für das Bauwesen". For calculation of electrical systems with circuit integrity has to be considered that electrical resistance of copper conductors at 800 °C is approximately four times higher than at 20 °C and the current carrying capacity is reduced respectively.



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Table: Technical characteristics NHXCH E30

p/n	part name		R _l [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
011505	NHXCH E30 02X1,5/1,5 RE OR	RE	12,1	24	162	10,8	52	300
011506	NHXCH E30 02X2,5/2,5 RE OR	RE	7,41	32	174	11,9	80	350
011507	NHXCH E30 02X4/4 RE OR	RE	4,61	42	186	12,9	123	420

p/n	part name		R _l [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
013253	NHXCH E30 02X6/6 RE OR	RE	3,08	53	225	15	182	301
011278	NHXCH E30 03X1,5/1,5 RE OR	RE	12,1	24	162	11,9	66	320
011215	NHXCH E30 03X2,5/2,5 RE OR	RE	7,41	32	174	12,9	104	380
013753	NHXCH E30 03X4/4 RE OR	RE	4,61	42	258	17,2	161	422
013754	NHXCH E30 03X6/6 RE OR	RE	3,08	53	275	18,3	240	513
013755	NHXCH E30 03X10/10 RE OR	RE	1,83	73	300	20,4	408	711
013756	NHXCH E30 03X16/16 RE OR					22,9	643	1033
013856	NHXCH E30 03X25/16 RM OR	RM	0,727	135	401	26,7	902	1420
013857	NHXCH E30 03X50/25 RM OR	RM	0,387	201	507	33,8	1723	2342
013858	NHXCH E30 03X70/35 RM OR	RM	0,268	255	585	39	2410	3174
013859	NHXCH E30 03X95/50 RM OR	RM	0,193	314	657	43,8	3296	4269
013860	NHXCH E30 03X120/70 RM OR	RM	0,153	364	711	47,4	4236	5299
011831	NHXCH E30 03X150/70 RM OR	RM	0,124	416	629	46,9	5100	7713
011832	NHXCH E30 03X185/95 RM OR	RM	0,0991	480	678	52,9	6383	8810
011280	NHXCH E30 04X1,5/1,5 RE OR	RE	12,1	24	180	13,9	81	249
011281	NHXCH E30 04X2,5/2,5 RE OR	RE	7,41	32	192	14,1	128	313
011282	NHXCH E30 04X4/4 RE OR	RE	4,61	42	216	14,9	200	412
011226	NHXCH E30 04X6/6 RE OR	RE	3,08	53	240	16,9	297	522
011224	NHXCH E30 04X10/10 RE OR	RE	1,83	73	276	18,9	504	746
011181	NHXCH E30 04X16/16 OR		1,15	97	324	21,9	796	1119
011167	NHXCH E30 04X25/16 RM OR	RM	0,727	135	384	26,9	1142	1583
011183	NHXCH E30 04X35/16 RM OR	RM	0,524	165	420	29,9	1526	2002
011227	NHXCH E30 04X50/25 RM OR	RM	0,387	201	480	33,9	2203	2700
011168	NHXCH E30 04X70/35 RM OR	RM	0,268	255	528	38,9	3082	3838
011184	NHXCH E30 04X95/50 RM OR	RM	0,193	314	624	42,9	4208	5181
011274	NHXCH E30 04X120/70 RM OR	RM	0,153	364	696	46,9	5388	6500
011275	NHXCH E30 04X150/70 RM OR	RM	0,124	416	756	52,9	6540	7950
011276	NHXCH E30 04X185/95 RM OR	RM	0,0991	480	780	58,9	8159	10130
011277	NHXCH E30 04X240/120 RM OR	RM	0,0754	565	792	64,9	10546	13190
011279	NHXCH E30 07X1,5/2,5 RE OR	RE	12,1	24	216	16,9	133	500
011283	NHXCH E30 07X2,5/2,5 RE OR	RE	7,41	32	228	17,9	200	600
011284	NHXCH E30 12X1,5/2,5 RE OR	RE	12,1	24	264	19,9	205	700
011285	NHXCH E30 12X2,5/4 RM OR	RE	7,41	32	288	21,9	334	900
013621	NHXCH E30 19X1,5/2,5 RE OR	RE	12,1	24	375	24,8	310	913

p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
013622	NHXCH E30 24X1,5/2,5 RE OR	RE	12,1	24	464	28,6	383	1113

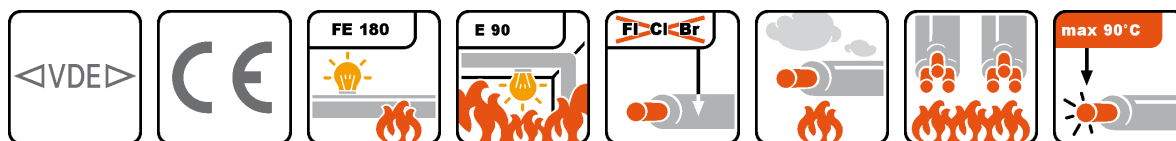
RI	conductor resistance
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

FRNC power cable NHXH FE180/E90 acc. to VDE 0266



conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	FRNC compound HI1
sheathing material:	FRNC-compound HM1
colour of outer sheath:	orange
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
fire resistance:	FE 180 (IEC 60331)
circuit integrity:	E 90
maximum temperature at conductor:	90 °C
max. operating temperature,	-5 - +70 °C
fixed:	
bending radius, fixed installation:	12 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in ground and not for use in water. The cable has improved flame retardant and may be used in public buildings with high safety requirements. Cables are halogen free, low smoke density and are fire resistant according to VDE 0472 part 814 (180 min., = IEC 331) Furthermore the cable passed the test of 90 min. circuit integrity according to DIN 4102 part 12 (E 90) for all so called standard-installation systems (ladder, tray and ceiling) and is suitable for installation in systems according to VDE 0108. A special test certificate about the circuit integrity is issued by the "Amtlichen Materialprüfanstalt für das Bauwesen". For calculation of electrical systems with circuit integrity has to be considered that electrical resistance of copper conductors at 1000 °C is approximately 4,5 times higher than at 20 °C and the current carrying capacity has to be reduced respectively.



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Table: Technical characteristics NHXH-J/-O E90

p/n	part name		R _I [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
012020	NHXH-O E90 01X16 OR		1,15	102	165	10,5	154	230
012021	NHXH-O E90 01X25 OR	RM	0,727	138	195	12,5	240	340
012022	NHXH-O E90 01X35 OR	RM	0,524	170	210	13,5	336	440
011757	NHXH-O E90 01X50 OR	RM	0,387	207	240	13,9	480	600
011843	NHXH-O E90 01X70 OR	RM	0,268	263	270	16,5	672	800

p/n	part name		R _l [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
011756	NHXX-O E90 01X95 OR	RM	0,193	325	300	18,9	912	1100
011744	NHXX-O E90 01X120 OR	RM	0,153	380	315	20,5	1152	1350
011177	NHXX-O E90 01X150 OR	RM	0,124	437	360	22,5	1440	1650
011755	NHXX-O E90 01X185 OR	RM	0,0991	507	390	24,9	1776	2000
011754	NHXX-O E90 01X240 OR	RM	0,0754	604	435	27,9	2304	2600
011178	NHXX-O E90 01X300 OR	RM	0,0601	697	480	30,9	2880	3200
012221	NHXX-O E90 01X400 OR	RM	0,047	811	544	34,9	3840	4200
012011	NHXX-O E90 02X1,5 OR	RE	12,1	24	168	13,9	29	210
010951	NHXX-J E90 03X1,5 OR	RE	12,1	24	162	14,9	43	210
013885	NHXX-O E90 02X2,5	RE	7,41	32	168	13,7	49	222
010952	NHXX-J E90 03X2,5 OR	RE	7,41	32	175	15,9	72	243
013223	NHXX-O E90 02X4 OR	RE	4,16	42	177	14,7	77	335
010953	NHXX-J E90 03X4 OR	RE	4,61	42	186	16,7	115	302
013224	NHXX-O E90 02X6 OR	RE	3,08	53	189	15,7	115	400
010954	NHXX-J E90 03X6 OR	RE	3,08	53	198	17,8	173	399
013225	NHXX-O E90 02X10 OR	RE	1,83	74	207	17,2	192	525
010955	NHXX-J E90 03X10 OR	RE	1,83	74	228	19,4	288	546
013226	NHXX-O E90 02X16 OR		1,15	98	228	19	307	693
010956	NHXX-J E90 03X16 OR		1,15	98	264	22,3	461	765
014073	NHXX-J E90 03X25	RM	0,727	133	300	24,3	720	1296
014074	NHXX-J E90 03X35	RM	0,524	162	336	27,2	1008	1653
014075	NHXX-J E90 03X50	RM	0,387	197	372	30,8	1440	2172
014076	NHXX-J E90 03X70	RM	0,268	250	420	34,9	2016	2984
010957	NHXX-J E90 04X1,5 OR	RE	12,1	24	178,8	16,1	58	245
010958	NHXX-J E90 04X2,5 OR	RE	7,41	32	192	16,9	96	299
010959	NHXX-J E90 04X4 OR	RE	4,61	42	207,6	17,9	154	376
010960	NHXX-J E90 04X6 OR	RE	3,08	53	222	19,2	230	474
010961	NHXX-J E90 04X10 OR	RE	1,83	74	246	21,1	384	657
010962	NHXX-J E90 04x16 OR		1,15	98	289,2	24,3	614	973
010963	NHXX-J E90 04X25 OR	RM	0,727	133	321,6	28,1	960	1422
010964	NHXX-J E90 04X35 OR	RM	0,524	162	360	30,9	1344	1858
011950	NHXX-J E90 04X50 OR	RM	0,387	197	403	35,1	1920	2900
011955	NHXX-J E90 04X70 OR	RM	0,268	250	459	39,9	2688	3900
011949	NHXX-J E90 04X95 OR	RM	0,193	308	520	45,2	3648	5200
013912	NHXX-O E90 04X95 RM OR					45,2	3648	5200
011956	NHXX-J E90 04X120 OR	RM	0,153	359	758	48,9	4608	6300
013913	NHXX-O E90 04X120	RM	0,153	359	758	48,9	4608	6300
011869	NHXX-J E90 04X150 OR	RM	0,124	412	789	50,9	5760	6800
013666	NHXX-J E90 04X185 OR	RM	0,0991		744	62,1	7104	8698
011963	NHXX-J E90 04X240 OR	RM	0,0754	564	1005	64,9	9216	10700
010965	NHXX-J E90 05X1,5 OR	RE	12,1	24	190,8	17,4	72	290
010966	NHXX-J E90 05X2,5 OR	RE	7,41	32	204	18,4	120	359
010967	NHXX-J E90 05X4 OR	RE	4,61	42	223,2	19,5	192	457
010968	NHXX-J E90 05X6 OR	RE	3,08	53	242,4	20,9	288	577
010969	NHXX-J E90 05X10 OR	RE	1,83	74	267,6	22,9	480	807
010970	NHXX-J E90 05x16 OR	RE	1,15	98	318	26,6	768	1145
010971	NHXX-J E90 05X25 OR	RM	0,727	133	360	30,9	1200	1765
013667	NHXX-J E90 05X35 OR	RM	0,524	162	400	33,3	1680	2462
013668	NHXX-J E90 05X70 OR	RM	0,268	250	518	43,1	3360	4559
013669	NHXX-J E90 05X95 OR	RM	0,193	308	592	49,3	4560	6150
014077	NHXX-J E90 05X120	RM	0,153	359	650	53,4	5760	7495
013670	NHXX-J E90 05X150 OR	RM	0,124	412	713	59,4	7200	9157
013671	NHXX-J E90 05X185 OR	RM	0,0991		816	68	8880	10836
010989	NHXX-J E90 07X1,5 OR	RE	12,1	24	216	18,6	101	350
013128	NHXX-J E90 10X1,5 OR	RE	12,1	24	240	20	144	538
011020	NHXX-J E90 12X1,5 OR	RE	12,1	24	282	23,5	173	545
011982	NHXX-J E90 12X2,5 OR	RE	7,41	32	312	25,2	288	780
011162	NHXX-J E90 24X1,5 OR	RE	12,1	24	348	26,9	346	735
011124	NHXX-J E90 07X2,5 OR	RE	7,41	32	228	19,8	168	443

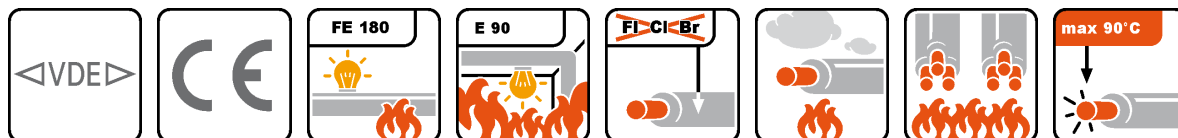
p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
013293	NHXX-J E90 07X4 OR	RE	4,61	42	209	17,4	269	565
012928	NHXX-J E90 07X6 OR	RE	3,08	53	380	18,9	403,2	718

R_l	conductor resistance
I_{bl}	ampacity (in air)
R_{bv}	bending radius, fixed installation
D_A	outer diameter
Cu	copper
G	weight

FRNC power cable NHXCH FE180/E90 acc. to VDE 0266

conductor material:	bare copper
conductor construction:	class 1, from 25 sqmm class 2
insulation:	FRNC compound HI1
concentric conductor:	Cu
sheathing material:	FRNC-compound HM1
colour of outer sheath:	orange
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
fire resistance:	FE 180 (IEC 60331)
circuit integrity:	E 90
maximum temperature at conductor:	90 °C
max. operating temperature,	-5 - +70 °C
fixed:	
bending radius, fixed installation:	12 x DA
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

Application: For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in ground and not for use in water. The cable has improved flame retardant and may be used in public buildings with high safety requirements. Cables are halogen free, low smoke density and are fire resistant according to VDE 0472 part 814 (180 min., = IEC 331) Furthermore the cable passed the test of 90 min. circuit integrity according to DIN 4102 part 12 (E 90) for all so called standard-installation systems (ladder, tray and ceiling) and is suitable for installation in fire alarm systems, safety lightning and other emergency electrical supply systems according to VDE 0108. A special test certificate about the circuit integrity is issued by the "Amtlichen Materialprüfanstalt für das Bauwesen". For calculation of electrical systems with circuit integrity has to be considered that electrical resistance of copper conductors at 1000 °C is approximately 4,5 times higher than at 20 °C and the current carrying capacity has to be reduced respectively.



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Table: Technical characteristics NHXCH E90

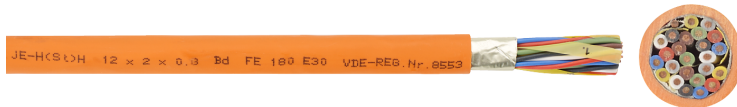
p/n	part name		R _I [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
013312	NHXCH E90 02X2,5/2,5 RE OR	RE	7,41	32	204	16,8	87	370
011042	NHXCH E90 03X1,5/1,5 RE OR	RE	12,1	24	204	16,8	66	348
011043	NHXCH E90 03X2,5/2,5 RE OR	RE	7,41	32	216	17,9	104	410
011209	NHXCH E90 03X4/4 RE OR	RE	4,61	42	228	18,9	161	500

p/n	part name		R _l [Ω/km]	I _{bl} [A]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
011208	NHXCH E90 03X6/6 RE OR	RE	3,08	53	240	20,9	240	614
011207	NHXCH E90 03X10/10 RE OR	RE	1,83	73	264	24,1	408	830
011206	NHXCH E90 03X16/16 OR		1,15	97	312	27,3	643	1073
011205	NHXCH E90 03X25/16 RM OR	RM	0,727	135	360	30,7	902	1450
011204	NHXCH E90 03X35/16 RM OR	RM	0,524	165	396	33,3	1190	1798
011197	NHXCH E90 03X50/25 RM OR	RM	0,387	201	432	37,4	1723	2394
011203	NHXCH E90 03X70/35 RM OR	RM	0,268	255	492	42,5	2410	2796
011213	NHXCH E90 03X95/50 RM OR	RM	0,193	314	564	47,8	3296	4434
011202	NHXCH E90 03X120/70 RM OR	RM	0,153	364	612	51,4	4236	5534
011201	NHXCH E90 03X150/70 RM OR	RM	0,124	416	660	55,7	5100	6546
011200	NHXCH E90 03X185/95 RM OR	RM	0,0991	480	744	61,7	6383	8303
011198	NHXCH E90 03X240/120 RM OR	RM	0,0754	565	816	67,9	8242	10605
010995	NHXCH E90 04X1,5/1,5 RE OR	RE	12,1	24	216	17,9	81	398
010996	NHXCH E90 04X2,5/2,5 RE OR	RE	7,41	32	228	19,2	128	470
010997	NHXCH E90 04X4/4 RE OR	RE	4,61	42	240	20,3	200	578
010987	NHXCH E90 04X6/6 RE OR	RE	3,08	53	252	22,5	297	726
010994	NHXCH E90 04X10/10 RE OR	RE	1,83	73	288	26,4	504	983
010998	NHXCH E90 04X16/16 OR	RE	1,15	97	324	29,3	796	1370
010999	NHXCH E90 04X25/16 RM OR	RM	0,727	135	372	33,1	1142	1904
010993	NHXCH E90 04X35/16 RM OR	RM	0,524	165	420	35,9	1526	2427
011000	NHXCH E90 04X50/25 RM OR	RM	0,387	201	468	41,1	2203	3177
011001	NHXCH E90 04X70/35 RM OR	RM	0,268	255	528	46,2	3082	4378
011002	NHXCH E90 04X95/50 RM OR	RM	0,193	314	600	51,9	4208	5803
011003	NHXCH E90 04X120/70 RM OR	RM	0,153	364	648	55,9	5388	7230
011004	NHXCH E90 04X150/70 RM OR	RM	0,124	416	720	60,9	6540	8707
011005	NHXCH E90 04X185/95 RM OR	RM	0,0991	480	804	67,5	8159	10894
011006	NHXCH E90 04X240/120 RM OR	RM	0,0754	565	876	74,4	10546	13933
011747	NHXCH E90 05X2,5/2,5 RE OR	RE	7,41	32			152	480
011749	NHXCH E90 05X4/4 RE OR	RE	4,61	42	246	20,5	238	600
010988	NHXCH E90 07X1,5/2,5 RE OR	RE	12,1	24	264	20,9	133	498
011007	NHXCH E90 07X2,5/2,5 RE OR	RE	7,41	32	282	22,1	200	680
012739	NHXCH E90 10X1,5/2,5 RE OR	RE	7,41			23,1	176	520
011008	NHXCH E90 12X1,5/2,5 RE OR	RE	12,1	24	366	26,2	205	718
011009	NHXCH E90 12X2,5/4 RE OR	RE	7,41	32	384	28,4	334	1050
011748	NHXCH E90 12X4/6 RE OR	RE	4,61	42			528	1100

p/n	part name		R_l [Ω/km]	I_{bl} [A]	R_{bv} [mm]	D_A [mm]	Cu [kg/km]	G [kg]
011210	NHXCH E90 24X1,5/6 RE OR	RE	12,1	24	444	37,6	413	1305
011211	NHXCH E90 24X2,5/10 RE OR	RE	7,41	32	468	40,9	696	1400
011212	NHXCH E90 30X1,5/6 RE OR	RE	12,1	24	468	39,8	499	1519
011199	NHXCH E90 30X2,5/10 RE OR	RE	7,41	32	498	42,9	840	1550

RI	conductor resistance
Ibl	ampacity (in air)
Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

Communication cable with circuit integrity JE-H(St)H FE180/E30 acc. to VDE 0815



conductor material:	tinned copper
conductor construction:	solid, class 1
insulation:	FRNC compound HI1
screen:	foil
sheathing material:	FRNC-compound HM2
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
fire resistance:	FE 180 (IEC 60331)
circuit integrity:	E 30
max. operating temperature,	-5 - +50 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
insulation resistance:	100 MOhm x km
core identification:	colours + rings

Application: For signal transmission within systems for measuring-, data-, control- engineering and as installation cable in fire hazardous rooms with a high concentration of persons or material value, for installation of fire survival cable systems acc. to DIN 4102 part 12. For fixed installation in dry and wet rooms.



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Table: Technical characteristics JE-H(St)H FE180/E30

p/n	part name	DA [mm]	Cu [kg/km]	G [kg]
101285	JE-H(St)H...BD...E30 01X2X0,8 OR		15	40
100418	JE-H(St)H...BD...E30 02X2X0,8 OR	7,5	25	76
100419	JE-H(St)H...BD...E30 04X2X0,8 OR	9,3	45	130
100420	JE-H(St)H...BD...E30 08X2X0,8 OR	11,4	85	232
100421	JE-H(St)H...BD...E30 12X2X0,8 OR	13,5	126	318
100422	JE-H(St)H...BD...E30 16X2X0,8 OR	15	166	430
100423	JE-H(St)H...BD...E30 20X2X0,8 OR	16,5	206	514
100424	JE-H(St)H...BD...E30 32X2X0,8 OR	19,5	326	730
100425	JE-H(St)H...BD...E30 40X2X0,8 OR	22,5	407	962

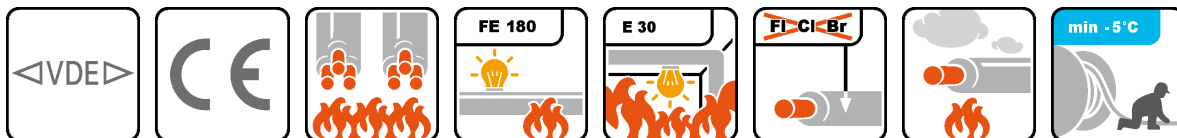
p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100426	JE-H(S)tH...BD...E30 52X2X0,8 OR	25,2	529	1200

DA	outer diameter
Cu	copper
G	weight

Communication cable with circuit integrity JE-H(St)H FE180/E30 Brandmeldekabel

conductor material:	bare copper
insulation:	FRNC compound HI1
screen:	foil
drain wire:	yes
sheathing material:	FRNC-compound HM2
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
fire resistance:	FE 180 (IEC 60331)
circuit integrity:	E 30
max. operating temperature,	-30 - +70 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
operating capacity:	120 nF/km
nominal voltage U:	225 V
core identification:	colours + rings

Application: For signal transmission between electronic devices, in computer systems of process control units in fire-endangered areas with high person or real value concentration, for installation of circuits with circuit integrity E30/E90 according to DIN 4102 part 12, with tested cable systems. For fixed installation in dry and damp areas on certified carrier systems. By the special seath printing this cable is particularly designed for the use in fire signalisation systems.



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Table: Technical characteristics JE-H(St)H FE180/E30 Brandmeldekabel

p/n	part name	DA [mm]	G [kg]	Cu [kg/km]	p/n	part name	DA [mm]	G [kg]	Cu [kg/km]
100427	JE-H(St)H...Bd...E30 02X2X0,8 fire signalisation cable RT	7,5	76	25	100432	JE-H(St)H...Bd...E30 20X2X0,8 fire signalisation cable RT	16,5	514	206
100428	JE-H(St)H...Bd...E30 04X2X0,8 fire signalisation cable RT	9,3	130	45	100433	JE-H(St)H...Bd...E30 32X2X0,8 fire signalisation cable RT	20,5	730	326
100429	JE-H(St)H...Bd...E30 08X2X0,8 fire signalisation cable RT	11,4	232	85	100434	JE-H(St)H...Bd...E30 40X2X0,8 fire signalisation cable RT	22,1	962	407
100430	JE-H(St)H...Bd...E30 12X2X0,8 fire signalisation cable RT	13,5	318	126	100435	JE-H(St)H BD E30 52X2X0,8 fire signalisation cable RT	25,1	1200	529
100431	JE-H(St)H...Bd...E30 16X2X0,8 fire signalisation cable RT	15	430	166					

DA	outer diameter
G	weight
Cu	copper

Communication cable with circuit integrity JE-H(St)H FE180/E30-E90 acc. to VDE 0815



conductor material:	bare copper
insulation:	FRNC compound HI1
screen:	foil
sheathing material:	FRNC-compound HM2
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
fire resistance:	FE 180 (IEC 60331)
circuit integrity:	E30-E90
max. operating temperature,	-5 - +50 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	

operating capacity:	120 nF/km
core identification:	colours + rings

Application: For signal transmission within systems for measuring-, data-, control- engineering and as installation cable in fire hazardous rooms with a high concentration of persons or material value, for installation of fire survival cable systems acc. to DIN 4102 part 12. For fixed installation in dry and wet rooms.

Additional information: Stranding: cores twisted into pairs, 4 pairs layed up into sub-units (2-pairs cable stranded as one star-quad), sub-units layed up in layers
Core identification: The basic colour of each bunch are continuous sequence: blue, red, grey, yellow, green, brown, white, black
The bundles are identified by the colour of the rings on the insulating core.



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Table: Technical characteristics JE-H(St)H FE180/E30-E90

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101620	01X2X0,8 OR	6,5	12	57
100275	02X2X0,8 OR	7,4	25	76
100276	04X2X0,8 OR	11,1	45	130
100277	08X2X0,8 OR	15,6	85	232
100292	12X2X0,8 OR	18,1	126	318
100278	16X2X0,8 OR	19,8	166	430
100279	20X2X0,8 OR	22,5	206	514
100280	32X2X0,8 OR	27,7	326	730
100281	40X2X0,8 OR	30,8	407	962
100282	52X2X0,8 OR	34,7	529	1200

DA	outer diameter
Cu	copper
G	weight

Communication cable with circuit integrity JE-H(St)H FE180/E30-E90 BMK acc. to VDE 0815



conductor material:	bare copper
insulation:	FRNC compound HI1
screen:	foil
drain wire:	yes
sheathing material:	FRNC-compound HM2
colour of outer sheath:	red
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
fire resistance:	FE 180 (IEC 60331)
circuit integrity:	E30-E90
max. operating temperature,	-5 - +50 °C
fixed:	
bending radius, fixed	7,5 x DA
installation:	
operating capacity:	120 nF/km
core identification:	colours + rings

Application: For signal transmission between electronic devices, in computer systems of process control units in fire-endangered areas with high person or real value concentration, for installation of circuits with circuit integrity E30/E90 according to DIN 4102 part 12, with tested cable systems. For fixed installation in dry and damp areas on certified carrier systems. By the special sheath printing this cable is particularly designed for the use in fire signalisation systems.

Additional information: Stranding: cores twisted into pairs, 4 pairs layed up into sub-units (2-pairs cable stranded as one star-quad), sub-units layed up in layers

Core identification: The basic colour of each bunch are in continuous sequence: blue, red, grey, yellow, green, brown, white, black

The bundles are identified by the colour of the rings on the insulation.



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Table: Technical characteristics JE-H(St)H FE180/E30-E90 BMK

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100283	JE-H(St)H...Bd...E30-E90 02X2X0,8 fire signalisation cable RT	7,4	76	25	100287	JE-H(St)H...Bd...E30-E90 16X2X0,8 fire signalisation cable RT	19,8	430	166
100284	JE-H(St)H...Bd...E30-E90 04X2X0,8 fire signalisation cable RT	11,1	130	45	100288	JE-H(St)H...Bd...E30-E90 20X2X0,8 fire signalisation cable RT	22,5	514	206
100285	JE-H(St)H...Bd...E30-E90 08X2X0,8 fire signalisation cable RT	15,6	232	85	100289	JE-H(St)H...Bd...E30-E90 32X2X0,8 fire signalisation cable RT	27,7	730	326
100286	JE-H(St)H...Bd...E30-E90 12X2X0,8 fire signalisation cable RT	18,1	318	126	100290	JE-H(St)H...Bd...E30-E90 40X2X0,8 fire signalisation cable RT	30,8	962	407

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]
100291	JE-H(S)tH...Bd...E30-E90 52X2X0,8 fire signalisation cable RT	34,7	1200	529

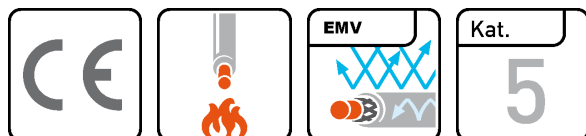
DA	outer diameter
G	weight
Cu	copper

FACAB dataline 100 acc. to ISO/IEC 11801, EN 50173, EN 55022, E DIN 44312-5



conductor material:	bare copper
insulation:	polyolefin
stranding:	pairs in layers
screen:	Plastic coated Al-foil + solid copper drain wire
sheathing material:	polyolefin
bending radius, fixed	4 x DA
installation:	
bending radius, moved	8 x DA
application:	
impedance:	100 Ohm
insulation resistance:	10000 MOhm x km
velocity factor:	0,66 v/c
category:	5
operating capacity:	50 nF/km
core identification:	colours acc. IEC 60708

Application: For connection of IT system units in the desktop area, between workstations and as riser cable up to 100 Mbit/s (Categorie 5). It fully complies with the requirements to electromagnetic compatibility (EMC) of the European Standard EN 55 022.



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Table: Technical characteristics FACAB dataline 100

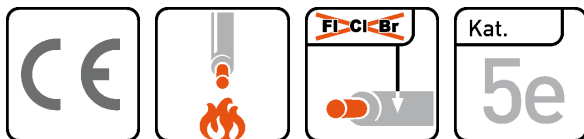
p/n	part name	D _A [mm]	F _{zv} [N]	E _v [kWh/m]	Cu [kg/km]	G [kg]
100386	FACAB dataline 100 Flex FTP 4X2X AWG 26 GR	5	150	0,29	13	27
100366	FACAB dataline 100 FTP 4X2X AWG 24 FRNC OR	6,6	220	0,76	19,2	44

DA	outer diameter
Fzv	tensile strength (during installation)
Ev	combustion energy
Cu	copper
G	weight



Specification/standard:	ISO/IEC 11801, EN 50173, EN 55022, berücksichtigt EN 50167 und EN 50169
conductor material:	bare copper
conductor construction:	solid, class 1
insulation:	cross-linked polyolefin-copolymer
stranding:	pairs in layers
screen:	aluminium-foil + copper-braiding, tinned
sheathing material:	polyolefin-compound HM4, FRNC
colour of outer sheath:	orange RAL 2004
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature, fixed:	-20 - +60 °C
bending radius, fixed installation:	8 x DA
bending radius, moved application:	4 x DA
impedance:	100 Ohm
insulation resistance:	5 MOhm x km
velocity factor:	0,74 v/c
category:	5e
operating capacity:	50 nF/km
loop resistance:	170 Ohm/km
test voltage:	0,7 kV
core identification:	colours acc. IEC 60708

Application: To the connection of EDP system units within the desktop area (Tertiary period range), as between floor distributors and desktop acc. to category 5e (enhanced). It corresponds to the requirements of the EN 55022 and the guidelines of the European postal administration regarding interferences (EMV). Additionally the tinned screen braid offers a smooth connection to screened data plugs.



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Tabelle

f, MHz	attenuation nimal value, dB/100 m	attenuation, typical values, dB/100 m	NEXT, dB, nominal value	NEXT, dB, typical value	ELFEXT, dB/100 m, typical value	ACR, dB, typical value	Return Loss, dB, typical value
1	2,1	1,9	65,3	80	68	78,1	24
4	4,0	3,7	56,3	75	56	71,3	30
10	6,3	5,6	50,3	70	46	64,4	34
16	8,0	7,2	47,2	68	43	60,8	35
20	-9,0	7,9	45,8	65	41	57,1	34
31,25	11,4	10,3	42,9	60	36	49,7	33
62,5	16,5	14,4	38,4	56	32	41,6	31
100	21,3	18,2	35,3	50	26	31,8	28
155	-	19,9	-	45	24	25,1	26

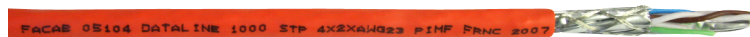
f, MHz	attenuation nominal value, dB/100 m	attenuation, typical values, dB/100 m	NEXT, dB, nominal value	NEXT, dB, typical value	ELFEXT, dB/100 m, typical value	ACR, dB, typical value	Return Loss, dB, typical value
200	-	24,2	-	42	22	17,8	24

Table: Technical characteristics FACAB dataline 200

p/n	part name	D _A [mm]	b [mm]	h [mm]	F _{zv} [N]	E _v [kWh/m]	Cu [kg/km]	G [kg]
100592	FACAB dataline 200 SFTP 4X2X AWG 24 FRNC OR	6,6			250	0,7	29	54
100593	FACAB dataline 200 Duplex SFTP 2X4X2X AWG 24 FRNC OR		13,4	6,6	500	1,4	58	108

DA	outer diameter
b	width of (flat) cable
h	hight of (flat) cable
Fzv	tensile strength (during installation)
Ev	combustion energy
Cu	copper
G	weight

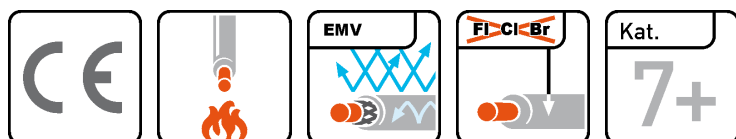
LAN-cable FACAB dataline 1000 STP (S-FTP)



Specification/standard:	ISO/IEC 11801, EN 50173, EN 55022, EN 50288-4-1, EN 50167, EN 50169
conductor material:	bare copper
insulation:	foam-PE
screen over stranding unit:	foil
screen over strand:	Cu-braid, tinned
sheathing material:	FRNC-compound HM2
colour of outer sheath:	orange RAL 2004
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
smoke density:	DIN EN 61034/IEC 61034
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature,	-20 - +70 °C
fixed:	
temperature, moved/during	0 - 50 °C
installation:	
bending radius, fixed	4 x DA
installation:	
bending radius, moved	8 x DA
application:	
impedance:	100 Ohm
velocity factor:	0,78 v/c
category:	7+

	<i>FACAB dataline 1000</i>	<i>FACAB dataline 1000 duplex</i>
operating capacity:	56 nF/km	56 nF/km
test voltage:	2,5 kV	2,5 kV
core identification:	colours acc. IEC 60708	colours acc. IEC 60708

Application: For connection of IT system units in the desktop area, between workstations and as riser cable up to 1000 Mbit/s (category 7+). It fully complies with the requirements to electromagnetic compatibility (EMC) of the European Standard EN 55022. Additional the copper braiding ensures perfect matching with screened connectors.



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table

f, MHz	attenuation, nominal value, dB/100 m	attenuation, typical value, dB/100 m	NEXT, dB, nominal value	NEXT, dB, typical value	PS-NEXT, dB, typical value	ELFEXT, dB/100 m, typical value	PS-ELFEXT, dB/100 m, typical value	PS-ACR, dB, typical value	Return loss, dB, typical value
1	2	1,9	80	100	97	90	87	95,1	27
10	5,7	5,5	80	100	97	90	87	95,1	30
16	7,2	6,9	80	100	97	86,7	83,7	90	30
20	8,1	7,8	80	100	97	84,8	81,8	89,2	30
100	18,8	18	72	94	91,3	70,8	67,8	73,3	25,1
155	23,4	22,7	70	91	87,9	67	64	65,1	23,8
300	33,3	32,5	65	85	82,7	61,3	58,3	50,3	21,8
600	48,9	47,6	61	80	77,3	55,2	52,2	29,6	19,7

f, MHz	attenuation, nominal value, dB/100 m	attenuation, typical value, dB/100 m	NEXT, dB, nominal value	NEXT, dB, typical value	PS-NEXT, dB, typical value	ELFEXT, dB/100 m, typical value	PS- ELFEXT, dB/100 m, typical value	PS-ACR, dB, typical value	Return loss, dB, typical value
900	-	60,0	-	77	74,1	51,7	48,7	14,1	18,4
1000	-	63,8	-	76	73,3	50,8	47,8	9,5	18,1

Table: Technical characteristics FACAB dataline 1000

p/n	part name	D _A [mm]	F _{zv} [N]	E _v [kWh/m]	Cu [kg/km]	G [kg]
100952	FACAB dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR	7,5	98	0,19	32	65
101043	FACAB dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR Reel in Box 200 m	7,5	98	0,19	32	65
101318	FACAB dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR Ringe a 100 m	7,5			32	65

Table: Technical characteristics FACAB dataline 1000 duplex

p/n	part name	D _A [mm]	b [mm]	h [mm]	F _{zv} [N]	E _v [kWh/m]	Cu [kg/km]	G [kg]
100951	FACAB dataline 1000 Duplex STP 2X4X2X AWG 23 PiMF FRNC OR	15	15,2	7,5	196	0,39	64	130
101196	FACAB dataline 1000 Duplex STP 2X4X2X AWG 23 PiMF FRNC OR Reel in Box 100 m		15,2	7,5	196	0,39	64	130

DA	outer diameter
b	width of (flat) cable
h	hight of (flat) cable
Fzv	tensile strength (during installation)
Ev	combustion energy
Cu	copper
G	weight

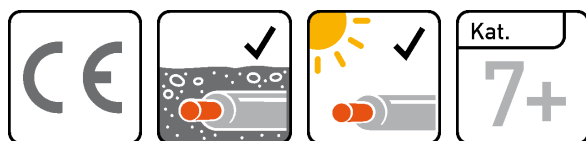
LAN-cable FACAB dataline 1000 outdoor



Specification/standard:	EN 50173, EN 50288-4-1, ISO/IEC 11801, IEC 6156-5
conductor material:	bare copper
insulation:	foam-PE
screen over stranding unit:	foil
screen over strand:	Cu-braid, tinned
sheathing material:	polyethylene
colour of outer sheath:	black
max. operating temperature,	-20 - +70 °C
fixed:	
temperature, moved/during	-20 - +50 °C
installation:	
bending radius, fixed	4 x DA
installation:	
bending radius, moved	8 x DA
application:	
impedance:	100 Ohm
velocity factor:	0,78 v/c
category:	7+

Application: For connection of IT system units in the desktop area, between workstations and as riser cable up to 1000 Mbit/s (category 7+). It fully complies with the requirements to electromagnetic compatibility (EMC) of the European Standard EN 55022. Additional the copper braiding ensures perfect matching with screened connectors.

Additional information: The PE-sheath enables direct earth burial of the cable.



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table

f, MHz	attenuation, nominal value, dB/100 m	attenuation, typical value, dB/100 m	NEXT, dB, nominal value	NEXT, dB, typical value	PS-NEXT, dB, typical value	ELFEXT, dB/100 m, typical value	PS-ELFEXT, dB/100 m, typical value	PS-ACR, dB, typical value	Return loss, dB, typical value
1	2	1,9	80	100	97	90	87	95,1	27
10	5,7	5,5	80	100	97	90	87	95,1	30
16	7,2	6,9	80	100	97	86,7	83,7	90	30
20	8,1	7,8	80	100	97	84,8	81,8	89,2	30
100	18,8	18	72	94	91,3	70,8	67,8	73,3	25,1
155	23,4	22,7	70	91	87,9	67	64	65,1	23,8
300	33,3	32,5	65	85	82,7	61,3	58,3	50,3	21,8
600	48,9	47,6	61	80	77,3	55,2	52,2	29,6	19,7
900	-	60,0	-	77	74,1	51,7	48,7	14,1	18,4
1000	-	63,8	-	76	73,3	50,8	47,8	9,5	18,1

Table: Technical characteristics FACAB dataline 1000 outdoor

p/n	part name	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
101008	FACAB dataline 1000 Outdoor STP 4X2X AWG 23 PiMF PE SW	9,4	180	44	95

DA	outer diameter
Fzv	tensile strength (during installation)
Cu	copper
G	weight

insulation: polyolefin
impedance: 100 Ohm
velocity factor: 0,66 v/c

Table: Technical characteristics

p/n	part name	D _A [mm]	F _{zv} [N]	E _v [kWh/m]	Cu [kg/km]	G [kg]
100369	FACAB dataline 100 SFTP 4X2X AWG 24 GR	6,6	300	0,47	29	54

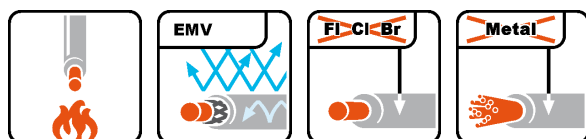
DA	outer diameter
Fzv	tensile strength (during installation)
Ev	combustion energy
Cu	copper
G	weight

FACAB dataline LWL I-D(ZN)H acc. to ISO/IEC 794, DIN VDE 0888



fiber quality:	see data-sheet for fibers
element:	filled loose tube
metal free:	yes
sheathing material:	FRNC-compound HM1
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature,	-20 - +60 °C
fixed:	
temperature, moved/during	-20 - +60 °C
installation:	

Application: Optical indoor cable with central multi fiber loose buffer and halogen-free outer sheath. For installation inside of buildings on cable trays and in cable ducts. The cable must be terminated with a cable termination or in a cable splitter, direct mounting of fiber-connectors is not possible.



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Table: Technical characteristics I-D(ZN)H

p/n	part name	D _A [mm]	F _{zv} [N]	F _{zp} [N]	E _v [kWh/m]	G [kg]	R _{bz} [mm]	R _b [mm]	F _q [N]
070110	1X4G50/125 OR Standard	6	1000	800	0,1	33	140	130	200
070242	1X4G50/125 OR High Grade	6	1000	800	0,1	33	140	130	200
070109	1X4G62,5/125 OR Standard	6	1000	800	0,1	33	140	130	200
070108	1X8G50/125 OR Standard	6	1000	800	0,1	33	140	130	200
070243	1X8G50/125 OR High Grade	6	1000	800	0,1	33	140	130	200
070107	1X8G62,5/125 OR Standard	6	1000	800	0,1	33	140	130	200
070106	1X12G50/125 OR Standard	6	1000	800	0,1	33	140	130	200
070244	I-D(ZN)H 01X12G50/125 OR High Grade	6	1000	800	0,1	33	140	130	200
070105	1X12G62,5/125 OR Standard	6	1000	800	0,1	33	140	130	200
070220	1X24G50/125 OR Standard	10	1000	800	0,13	35	150	140	200
070245	1X24G50/125 OR High Grade	10	1000	800	0,13	35	140	130	200

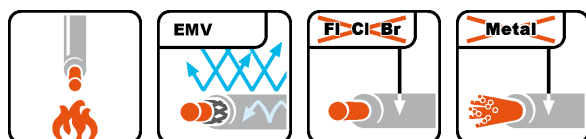
DA	outer diameter
Fzv	tensile strength (during installation)
Fzp	tensile strength (permanent)
Ev	combustion energy
G	weight
Rbz	bending radius with tension load
Rb	bending radius without tension load
Fq	crush resistance

FACAB dataline LWL I-V(ZN)H acc. to ISO/IEC 794, DIN VDE 0888



fiber quality:	see data-sheet for fibers
element:	tight buffer
metal free:	yes
sheathing material:	FRNC-compound HM1
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature,	-20 - +60 °C
fixed:	
temperature, moved/during	-20 - +60 °C
installation:	

Application: Indoor distribution cable with tight buffers and LSOH jacket. For installation on cable trays and ducts. The cable offers up to 24 fibers, which may be directly assembled to connectors and are suitable for field-assembly.



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Table: Technical characteristics I-V(ZN)H

p/n	part name	D _A [mm]	b [mm]	h [mm]	F _{zv} [N]	F _{zp} [N]	E _v [kWh/m]	G [kg]	R _{bz} [mm]	R _b [mm]	F _q [N]
070114	2X1G50/125 OR Standard	6	10	6	450	250	0,11	19,3	40	40	200
070240	2X1G50/125 OR High Grade	6	10	6	450	250	0,11	19	40	40	200
070113	2X1G62,5/125 OR Standard	6	10	6	450	250	0,11	19,3	40	40	200
070112	1X4G50/125 OR Standard	5,1			1500	1000	0,11	32	75	51	200
070241	1X4G50/125 OR High Grade	5,1			1500	1000	0,11	32	75	51	200
070111	1X4G62,5/125 OR Standard	5,1			1500	1000	0,11	32	75	51	200
070147	1X6G50/125 OR Standard	5,5			1500	1000	0,14	36	85	57	200
070148	1X6G62,5/125 OR Standard	5,5			1500	1000	0,14	36	85	57	200
070122	1X8G50/125 OR Standard	5,7			1500	1000	0,14	36	85	57	200
070149	1X8G62,5/125 OR Standard	5,7			1500	1000	0,14	36	85	57	200
070150	1X10G50/125 OR Standard	6,5			1500	1000	0,18	41	100	65	200
070151	1X10G62,5/125 OR Standard	6,5			1500	1000	0,18	41	100	65	200
070152	1X12G50/125 OR Standard	6,5			1500	1000	0,18	41	100	65	200
070153	1X12G62,5/125 OR Standard	6,5			1500	1000	0,18	41	100	65	200

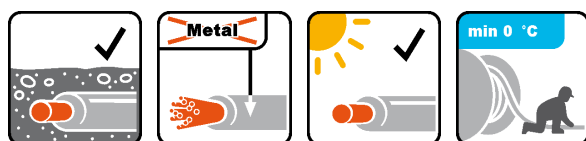
DA	outer diameter
b	width of (flat) cable
h	hight of (flat) cable
Fzv	tensile strength (during installation)
Fzp	tensile strength (permanent)
Ev	combustion energy
G	weight
Rbz	bendig radius with tension load
Rb	bending radius without tension load
Fq	crush resistance

FACAB dataline LWL A-DQ(ZN)2Y acc. to ISO/IEC 794, DIN VDE 0888



fiber quality:	see data-sheet for fibers
element:	filled loose tube
metal free:	yes
sheathing material:	polyethylene
colour of outer sheath:	blue
flame retardant:	no
UV-resistant:	yes
max. operating temperature,	-20 - +70 °C
fixed:	
temperature, moved/during	0 - 50 °C
installation:	

Application: Optical cable with central or stranded loose tubes, glass yarn strength members/rodent protection and water blocking elements. Due to the wear resistant PE-jacket and good mechanical properties the cable is suitable for installation in trunking in industrial environments or for direct burial. The small bending radius and diameter allow as well an indoor application of the cable, for example as riser.



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Table: Technical characteristics A-DQ(ZN)2Y

p/n	part name	D _A [mm]	F _{zv} [N]	F _{zp} [N]	E _v [kWh/m]	G [kg]	R _{bz} [mm]	R _b [mm]	F _q [N]
070176	1X2G50/125 Standard	8,4	2000	1500		60	220	170	400
070178	1X4G50/125 Standard	8,4	2200	1500	1,63	60	220	170	400
070180	1X6G50/125 Standard	8,4	2200	1500	1,63	60	220	170	400
070182	1X8G50/125 Standard	8,4	2200	1500	1,63	60	220	170	400
070184	1X12G50/125 Standard	8,4	2200	1500	1,63	60	220	170	400
070186	1X16G50/125 Standard	9,2	2000	1500		60	220	170	400
070188	1X20G50/125 Standard	9,2	2000	1500		60	220	170	400
070190	1X24G50/125 Standard	9,2	2200	1500	1,63	65	220	170	400
070177	1X2G62,5/125 Standard	8,4	2000	1500		60	220	170	400
070179	1X4G62,5/125 Standard	8,4	2000	1500		60	220	170	400
070181	1X6G62,5/125 Standard	8,4	2000	1500		60	220	170	400
070183	1X8G62,5/125 Standard	8,4	2000	1500		60	220	170	400
070185	1X12G62,5/125 Standard	8,4	2000	1500		60	220	170	400
070187	1X16G62,5/125 Standard	9,2	2000	1500		60	220	170	400
070189	1X20G62,5/125 Standard	9,2	2000	1500		60	220	170	400
070191	1X24G62,5/125 Standard	9,2	2000	1500		65	220	170	400
070246	1X4G50/125 High Grade	8,4	2000	1500		60	220	170	400
070247	1X6G50/125 High Grade	8,4	2000	1500		60	220	170	400
070248	1X8G50/125 High Grade	8,4	2000	1500		60	220	170	400
070249	1X12G50/125 High Grade	8,4	2000	1500		60	220	170	400
070250	1X24G50/125 High Grade	9,2	2000	1500		65	220	170	400

DA	outer diameter
Fzv	tensile strength (during installation)
Fzp	tensile strength (permanent)
Ev	combustion energy
G	weight
Rbz	bendig radius with tension load
Rb	bending radius without tension load
Fq	crush resistance

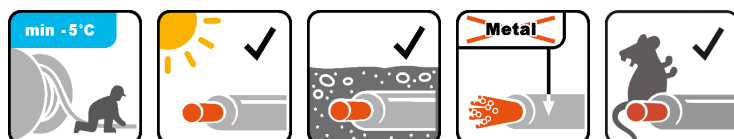
FACAB dataline LWL A-DQ(ZN)B2Y ...

1,2 kN (Zentralader) acc. to ISO/IEC 794, DIN VDE 0888



fiber quality:	on request
element:	filled loose tube
metal free:	yes
sheathing material:	polyethylene
meter mark:	yes
flame retardant:	no
max. operating temperature,	-20 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	

Application: Fiber optical cable with central tubes with non-metallic armour and rodent protection. Swelling elements within the strand ensure longitudinally watertightness of the cable. The rugged and abrasion-resistant PE-sheath enables easy installation in tubes and ducts. The sheath is halogen-free, but not flame retardant.



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Table: Technical characteristics A-DQ(ZN)B2Y ... 1,2 kN

p/n	part name	D _A [mm]	F _{zv} [N]	E _v [kWh/m]	G [kg]	R _{bz} [mm]	R _b [mm]	F _q [N]
071112	A-DQ(ZN)B2Y 01X4G50/125 SW 1,2 kN Standard	6	1200	90	43	160	140	100
071060	A-DQ(ZN)B2Y 01X8G50/125 SW 1,5 kN Standard	6	1200	90	43	160	140	100
070682	A-DQ(ZN)B2Y 01X12G50/125 SW 1,2 kN Standard	6	1200	90	43	160	140	100
070683	A-DQ(ZN)B2Y 01X24G50/125 SW 1,2 kN Standard	7	1200	120	59	160	140	100

DA	outer diameter
Fzv	tensile strength (during installation)
Ev	combustion energy
G	weight
Rbz	bendig radius with tension load
Rb	bending radius without tension load
Fq	crush resistance

FACAB dataline LWL A-DQ(ZN)B2Y (Z) acc. to ISO/IEC 794, DIN VDE 0888

faber
kabel



fiber quality:	see data-sheet for fibers
element:	filled loose tube
metal free:	yes
armour:	glass yarns
sheathing material:	polyethylene
colour of outer sheath:	black
meter mark:	yes
flame retardant:	no
UV-resistant:	yes
max. operating temperature,	-20 - +70 °C
fixed:	
temperature, moved/during	0 - 50 °C
installation:	

Application: Fiber optical cable with central tube with non-metallic armour and rodent protection. Swelling elements within the strand ensure longitudinally watertightness of the cable. The rugged and abrasion-resistant PE-sheath enables easy installation in tubes and ducts. The sheath is halogen-free, but not flame retardant.



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Table: Technical characteristics A-DQ(ZN)B2Y 2,2 kN

p/n	part name	D _A [mm]	F _{zv} [N]	G [kg]	R _{bz} [mm]	R _b [mm]	F _q [N]
070044	1X4G50/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200
070137	1X6G50/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200
070049	1X8G50/125 SW 2,2 kN Standard	8,4	2200	64			200
070006	1X12G50/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200
070089	1X16G50/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200
070095	1X24G50/125 SW 2,2 kN Standard	8,4	2200	74	160	140	200
070067	1X4G62,5/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200
070023	1X6G62,5/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200
070104	1X8G62,5/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200
070066	1X12G62,5/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200
070138	1X16G62,5/125 SW 2,2 kN Standard	8,4	2200	64	160	140	200

p/n	part name	D _A [mm]	F _{zv} [N]	G [kg]	R _{bz} [mm]	R _b [mm]	F _q [N]
070103	1X24G62,5/125 SW 2,2 kN Standard	8,4	2200	74	160	140	200
070251	1X4G50/125 SW 2,2 kN High Grade	8,4	2200	64	160	140	200
070252	1X6G50/125 SW 2,2 kN High Grade	8,4	2200	64	160	140	200
070253	1X8G50/125 SW 2,2 kN High Grade	8,4	2200	64	160	140	200
070254	1X12G50/125 SW 2,2 kN High Grade	8,4	2200	64	160	140	200
070255	1X16G50/125 SW 2,2 kN High Grade	8,4	2200	64	160	140	200
070256	1X24G50/125 SW 2,2 kN High Grade	8,4	2200	74	160	140	200

DA	outer diameter
Fzv	tensile strength (during installation)
G	weight
Rbz	bendig radius with tension load
Rb	bending radius without tension load
Fq	crush resistance

FACAB dataline LWL A-DQ(ZN)B2Y (V) acc. to ISO/IEC 794, DIN VDE 0888

faber
kabel



fiber quality:	see data-sheet for fibers
element:	filled loose tube
metal free:	yes
armour:	glass yarns
sheathing material:	polyethylene
colour of outer sheath:	black
meter mark:	yes
flame retardant:	no
UV-resistant:	yes
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	

Application: Fiber optical cable with stranded tubes with non-metallic armour and rodent protection. Swelling elements within the strand ensure longitudinally watertightness of the cable. The rugged and abrasion-resistant PE-sheath enables easy installation in tubes and ducts. The sheath is halogen-free, but not flame retardant.



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Table: Technical characteristics A-DQ(ZN)B2Y

p/n	part name	D _A [mm]	F _{zv} [N]	F _{zp} [N]	E _v [kWh/m]	G [kg]	R _{bz} [mm]	R _b [mm]	F _q [N]
070091	3X12G50/125 SW Standard	11,5	3200	2000	3,6	107	250	180	300
070086	4X12G50/125 SW Standard	11,5	3200	2000	3,6	107	250	180	300
070202	3X12G62,5/125 SW Standard	11,5	3200	2000	3,6	107	250	180	300
070257	3X12G50/125 SW High Grade	11,5	3200	2000	3,6	107	250	180	300
070090	4X12G62,5/125 SW Standard	11,5	3200	2000	3,6	107	250	180	300
070258	4X12G50/125 SW High Grade	11,5	3200	2000	3,6	107	250	180	300
070064	2X12E9/125	11	3200	2000	2,5	107	250	180	300
070236	A-DQ(ZN)B2Y 04X12E9/125 SW	11,5	3200	2000	3,6	107	250	165	300
070229	8X12E9/125 SW	13	4900	3100	3,4	125			300
070673	12X12E9/125 SW	15,5	5900	3700	4,6	185			300

DA	outer diameter
Fzv	tensile strength (during installation)
Fzp	tensile strength (permanent)
Ev	combustion energy
G	weight
Rbz	bendig radius with tension load
Rb	bending radius without tension load
Fq	crush resistance

FACAB dataline LWL A-DQ(ZN)B2Y plus



fiber quality:	see data-sheet for fibers
element:	filled loose tube
armour:	glass yarns
sheathing material:	polyethylene
colour of outer sheath:	black
meter mark:	yes
flame retardant:	no
max. operating temperature,	-30 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	

Application: Fiber optical cable with central tubes with non-metallic armour and rodent protection. Swelling elements within the strand ensure longitudinally watertightness of the cable. The rugged and abrasion-resistant PE-sheath enables easy installation in tubes and ducts. The sheath is halogen-free, but not flame retardant.



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Table: Technical characteristics A-DQ(ZN)B2Y plus (Zentralader)

p/n	part name	D _A [mm]	F _{zv} [N]	F _{zp} [N]	G [kg]	F _q [N]
070951	01X12G50/125 3,0 kN	9	3000	2100	60	200
070192	1X4E9/125 SW 3,0 kN	9	3000	2100	64	200
070164	1X8E9/125 SW 3,0 kN	9	3000	2100	64	200
070159	1X12E9/125 SW 3,0 kN	9	3000	2100	64	200
070193	1X24E9/125 SW 3,0 kN	9	3000	2100	74	200

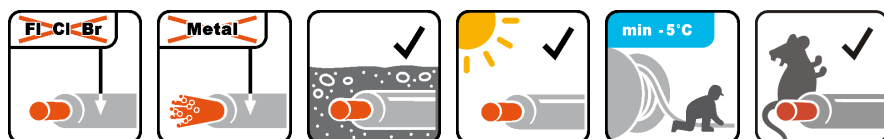
DA	outer diameter
Fzv	tensile strength (during installation)
Fzp	tensile strength (permanent)
G	weight
Fq	crush resistance

FACAB dataline LWL U-DQ(ZN)BH acc. to ISO/IEC 794, DIN VDE 0888



fiber quality:	on request
element:	filled loose tube
metal free:	yes
sheathing material:	polyolefin
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature,	-20 - +70 °C
fixed:	
temperature, moved/during	-5 - +50 °C
installation:	

Application: LSOH optical cable with central loose tube and glass yarn strength members. For fixed installation indoors and outdoors, as well as for direct burial. The cable is therefore optimally suitable for connection between buildings.



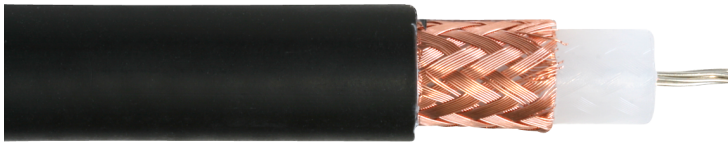
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Table: Technical characteristics U-DQ(ZN)BH

p/n	part name	D _A [mm]	F _{zv} [N]	F _{zp} [N]	E _v [kWh/m]	G [kg]	R _{bz} [mm]	R _b [mm]	F _q [N]
070698	01X12G50/125 SW 1,2 kN Standard	6,4	1250	750	0,94	48	150	140	200
070699	01X24G50/125 SW 1,2 kN Standard	7,5	1250	750	0,94	62	150	140	200
070700	01X12G62,5/125 SW 1,2 kN Standard	6,4	1250	750	0,94	48	150	140	200
070701	01X24G62,5/125 SW 1,2 kN Standard	7,5	1250	750	0,94	62	150	140	200

DA	outer diameter
Fzv	tensile strength (during installation)
Fzp	tensile strength (permanent)
Ev	combustion energy
G	weight
Rbz	bendig radius with tension load
Rb	bending radius without tension load
Fq	crush resistance

Coaxial cable RG 8 /U



inner conductor:	Copper, stranded, bare
inner conductor diameter:	1,1 mm
insulation:	solid PE
screen:	bare copper braiding
outer sheath:	PVC
operating temperature:	-20 - +70 °C
impedance:	50 Ohm
capacity:	103 nF/km
velocity factor:	0,66 v/c
DC-resistance inner conductor:	6 Ohm/km
DC-resistance screen:	6 Ohm/km

Table: Technical characteristics RG 8 /U

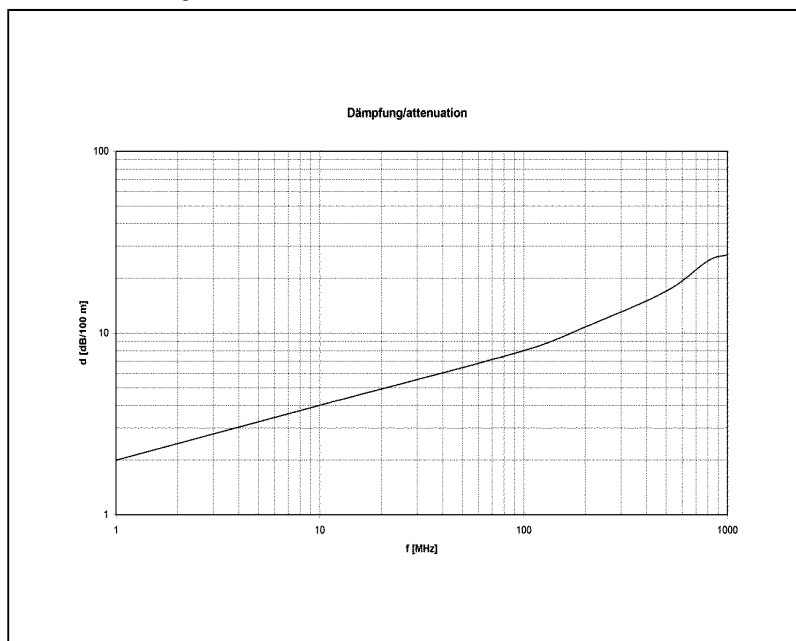
p/n	part name	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
100476	RG 8 U 50 Ohm SW	60	9,5	54,8	125

Rbv bending radius, fixed installation

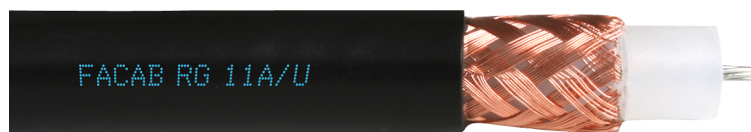
DA outer diameter

Cu copper

G weight



Coaxial cable RG 11 A/U



inner conductor:	Copper, stranded, tinned
inner conductor diameter:	1,21 mm
insulation:	solid PE
insulation diameter:	7,3 mm
screen:	bare copper braiding
outer sheath:	PVC
min. bending radius:	5 x DA
operating temperature:	-20 - +70 °C
impedance:	75 Ohm
velocity factor:	0,66 v/c
DC-resistance inner conductor:	21 Ohm/km
DC-resistance screen:	4 Ohm/km

Application: For data- and signaltransmission in RF-bands with low losses and interferences. The outdoor-version is suitable for direct earth-burial.

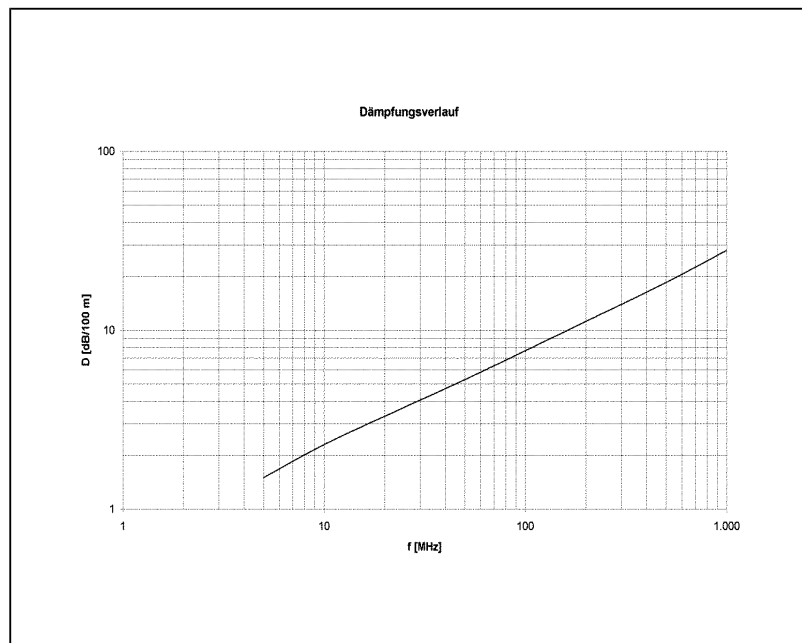


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Table: Technical characteristics RG 11 A/U

p/n	part name	D _A [mm]	E _v [kWh/m]	Cu [kg/km]	G [kg]
101089	RG 11 A/U 75 Ohm SW halogenfrei	10,2	0,85	56	144
101018	RG 11 A/U 75 Ohm SW Outdoor	12,1	1	56	170
100258	RG 11 A/U 75 Ohm SW	10,2	0,85	56	144

DA	outer diameter
Ev	combustion energy
Cu	copper
G	weight

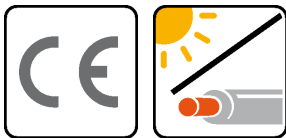


Coaxial cable RG 58 C/U



inner conductor:	Copper, stranded, tinned
inner conductor diameter:	0,9 mm
insulation:	solid PE
screen:	tinned copper braiding
coverage:	93 %
outer sheath:	PVC
installation temperature:	0 - +80 °C °C
operating temperature:	-5 - +80 °C
impedance:	50 Ohm
capacity:	101 nF/km
velocity factor:	0,66 v/c
DC-resistance inner conductor:	36 Ohm/km
DC-resistance screen:	17 Ohm/km
test voltage:	5 kV

Application: For data- and signaltransmission in RF-bands with low losses and interferences.



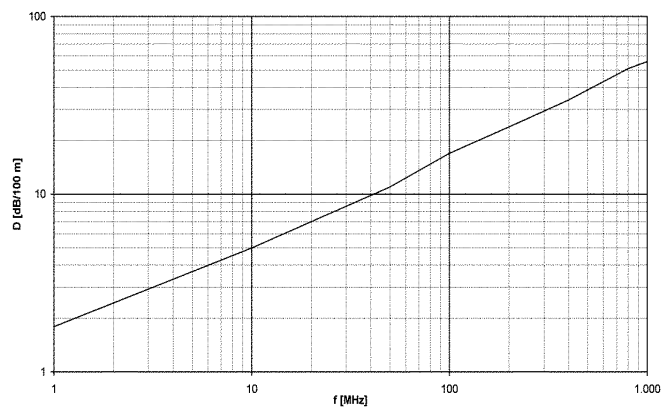
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Table: Technical characteristics RG 58 C/U

p/n	part name	R _{bv} [mm]	D _A [mm]	E _v [kWh/m]	Cu [kg/km]	G [kg]
101437	RG 58/C/U 50 Ohm SW Outdoor			0,3	20	44
100104	RG 58 C/U 50 Ohm SW	30	5	0,23	20	38
100605	RG 58 C/U 50 Ohm SW halogenfrei	30	5	0,23	20	38

Rbv	bending radius, fixed installation
DA	outer diameter
Ev	combustion energy
Cu	copper
G	weight

Dämpfungsverlauf



Coaxial cable RG 59 B/U



inner conductor:	Copper-plated steel wire, solid
inner conductor diameter:	0,58 mm
insulation:	solid PE
screen:	bare copper braiding
coverage:	94 %
outer sheath:	PVC
min. bending radius:	5 x DA
operating temperature:	-20 - +70 °C
impedance:	75 Ohm
capacity:	72 nF/km
velocity factor:	0,67 v/c
DC-resistance inner conductor:	169 Ohm/km
DC-resistance screen:	9 Ohm/km
test voltage:	3 kV

Application: For data- and signaltransmission in RF-bands with low losses and interferences.

Additional information: Standard type with PVC-sheath. Available with LSOH-sheath HM1 as P/N 100967.

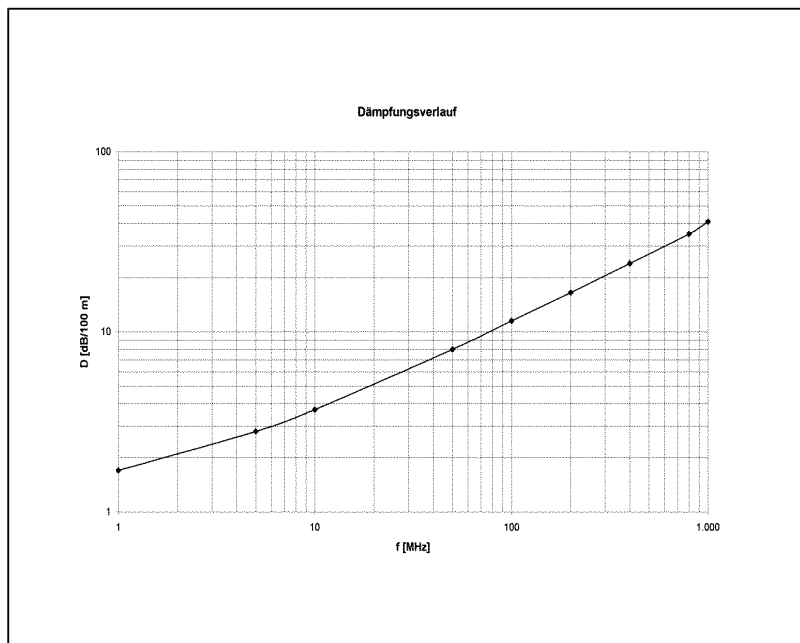


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Table: Technical characteristics RG 59 B/U

p/n	part name	R _{bv} [mm]	D _A [mm]	E _v [kWh/m]	Cu [kg/km]	G [kg]
100095	RG 59 B/U 75 Ohm SW	30	6,1	0,3	24	57
100967	RG 59 B/U 75 Ohm SW halogenfrei	30	6,1	0,3	24	57

Rbv	bending radius, fixed installation
DA	outer diameter
Ev	combustion energy
Cu	copper
G	weight



Coaxial cable RG 213 /U



inner conductor:	Copper, stranded, bare
inner conductor diameter:	2,25 mm
insulation:	solid PE
screen:	bare copper braiding
coverage:	97 %
outer sheath:	PVC
min. bending radius:	5 x DA
operating temperature:	-20 - +70 °C
impedance:	50 Ohm
capacity:	103 nF/km
velocity factor:	0,66 v/c
DC-resistance inner conductor:	5,5 Ohm/km
DC-resistance screen:	4,5 Ohm/km

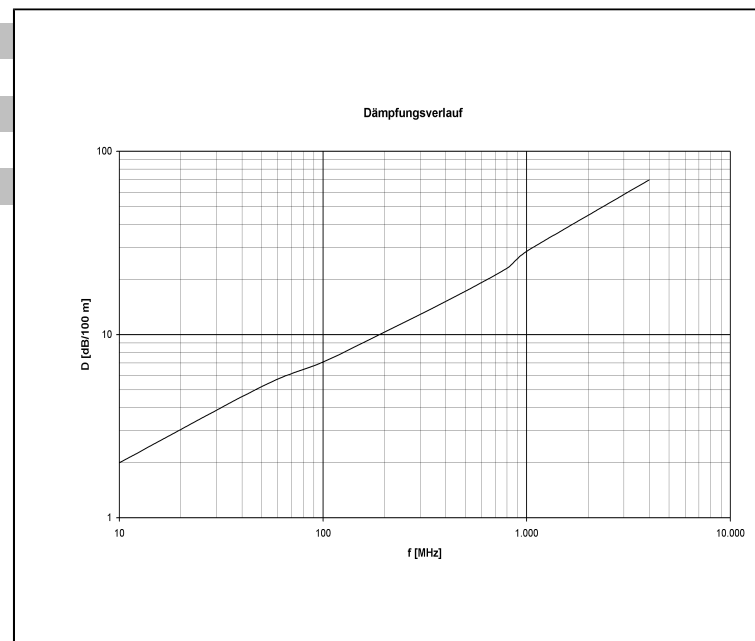


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Table: Technical characteristics RG213

p/n	part name	R _{bv} [mm]	D _A [mm]	E _v [kWh/m]	Cu [kg/km]	G [kg]
101087	RG 213/U 50 Ohm SW FRNC	50	10,3	0,71	82	155
100201	RG 213 U 50 Ohm SW	50	10,3	0,69	76	155

Rbv	bending radius, fixed installation
DA	outer diameter
Ev	combustion energy
Cu	copper
G	weight



inner conductor:	Copper, stranded, silver plated
inner conductor diameter:	2,25 mm
insulation:	solid PE
screen:	2 x copper braiding, silver plated
coverage:	95 %
outer sheath:	PVC
min. bending radius:	5 x DA
operating temperature:	-20 - +70 °C
impedance:	50 Ohm
capacity:	101 nF/km
velocity factor:	0,66 v/c
DC-resistance inner conductor:	5,5 Ohm/km
DC-resistance screen:	4,4 Ohm/km

Table: Technical characteristics RG 214 /U

p/n	part name	R _{bv} [mm]	D _A [mm]	E _v [kWh/m]	Cu [kg/km]	G [kg]
101172	RG 214/U 50 Ohm SW halogenfrei	65	10,8	0,85	118	205
100529	RG 214 U 50 Ohm SW	65	10,8	0,82	118	205

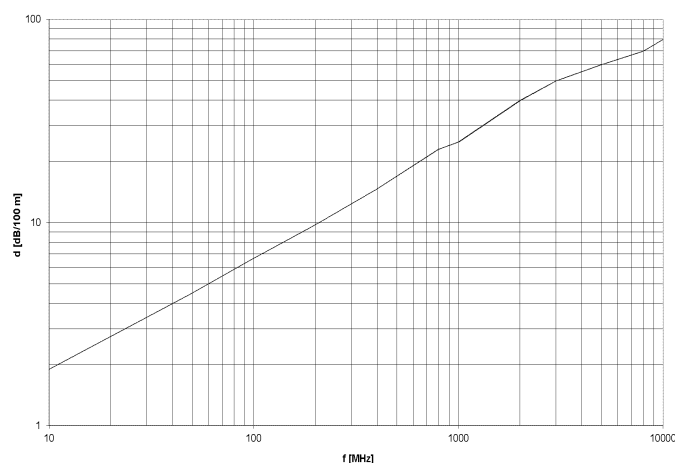
Rbv bending radius, fixed installation

DA outer diameter

Ev combustion energy

Cu copper

G weight



Coaxial cable FACAB

Sat 75 Ω 0,7/2,9 Digital



inner conductor:	Copper, solid, bare
inner conductor diameter:	0,7 mm
insulation:	foam-PE
screen:	aluminium foil + tinned copper braiding
outer sheath:	PVC
min. bending radius:	10 x DA
operating temperature:	-5 - +70 °C
impedance:	75 Ohm
DC-resistance inner conductor:	52 Ohm/km
DC-resistance screen:	42 Ohm/km

Application: For connection of components of Satellite or BC-TV

Attenuation at 20 °C

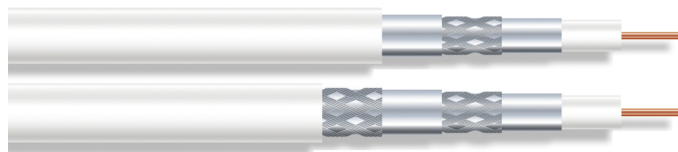
f (MHz)	D (dB/100 m)
100	8,8
300	16,5
450	21,2
862	28,2
1000	31,0
1350	36,9
1750	42,5
2050	46,3
2500	53,6

Table: Technical characteristics FACAB SAT 0,7/2,9

p/n	part name	D _A [mm]	b [mm]	h [mm]	Cu [kg/km]	G [kg]
100485	FACAB SAT 0,7/2,9 DIGITAL 75 Ohm WS	4,5			12,5	29
100477	FACAB SAT 0,7/2,9 Twin 75 Ohm WS		9,1	4,5	26	58

DA	outer diameter
b	width of (flat) cable
h	hight of (flat) cable
Cu	copper
G	weight

Coaxial cable FACAB SAT 1,0/4,6



inner conductor:	Copper, solid, bare
inner conductor diameter:	1 mm
insulation:	foam-PE
min. bending radius:	7 x DA
operating temperature:	5 - 70 °C
impedance:	75 Ohm
capacity:	55 nF/km
velocity factor:	0,85 v/c
DC-resistance inner conductor:	22 Ohm/km
DC-resistance screen:	17 Ohm/km

Application: For connection of satellite-TV or BC-TV components.

Additional information: screening acc. to EN 50117 A+, return loss (dB): 28 dB

Attenuation at 20 °C

f (MHz)	D (dB/100 m)
100	4,5
300	9,6
450	12,4
800	18,4
1000	22,3
1350	25,0
1750	29,6
2050	33,3
2400	36,0

Table: Technical characteristics FACAB SAT 1,0/4,6

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100616	FACAB SAT 1,0/4,6 DIGITAL 4-S >105 dB 75 Ohm WS	7	25	48
100946	FACAB HD-SAT-TV 1,0/4,6 DIGITAL 4-S >120 dB WS	7	26	55
101206	FACAB HD-SAT-TV 1,0/4,6 DIGITAL 3-S >115 dB WS mit klebender Folie	7	17	46
101362	FACAB HD-SAT-TV 1,0/4,6 DIGITAL 3-S >115 dB SW halogenfrei, mit klebender Folie	7	17	46

DA	outer diameter
Cu	copper
G	weight

FACAB SAT 1,1/5,0 digital



inner conductor:	Copper, solid, bare
inner conductor diameter:	1,1 mm
insulation:	foam-PE
screen:	aluminium foil + tinned copper braiding
outer sheath:	PVC
min. bending radius:	10 x DA
operating temperature:	5 - 70 °C
impedance:	75 Ohm
capacity:	55 nF/km
velocity factor:	0,85 v/c
DC-resistance inner conductor:	19 Ohm/km
DC-resistance screen:	11 Ohm/km

Attenuation at 20 °C

f (MHz)	D (dB/100 m)
100	6,3
300	10,8
450	13,0
862	18,8
1000	20,6
1350	23,7
1750	27,2
2250	30,7
2500	33,8

Table: Technical characteristics FACAB SAT 1,1/5,0

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100867	FACAB SAT 1,1/5,0 DIGITAL 1GHz 75 Ohm WS	6,8	21	51
100478	FACAB SAT 1,1/5,0 DIGITAL 3 GHz 75 Ohm WS	6,8	25	55
100492	FACAB SAT 1,1/5,0 halogenfrei DIGITAL 3 GHz 75 Ohm WS	6,8	25	55

DA	outer diameter
Cu	copper
G	weight

Coaxial cable FACAB SAT 1,6/7,3

inner conductor:	Copper, solid, bare
inner conductor diameter:	1,6 mm
insulation:	foam-PE
screen:	aluminium foil + tinned copper braiding
outer sheath:	PE
min. bending radius:	10 x DA
operating temperature:	-10 - +70 °C
impedance:	75 Ohm
capacity:	55 nF/km
velocity factor:	0,81 v/c
DC-resistance inner conductor:	9 Ohm/km
DC-resistance screen:	13 Ohm/km

Attenuation at 20 °C

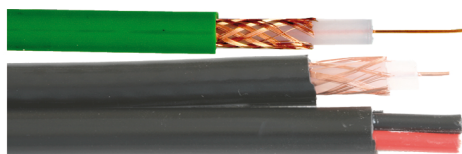
f (MHz)	D (dB/100 m)
5	1,1
20	2,1
100	4,1
300	7,9
450	9,6
862	13,9
1000	14,8
1350	18,3
1750	23,9
2250	26,1
2500	28,3

Table: Technical characteristics FACAB SAT 1,6/7,3

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100498	SAT+BK PE Erdkabel 1,6/7,3 DIGITAL 75 Ohm GN	10,3	50,5	105
101269	HD-SAT+BK PE Erdkabel 1,6/7,3 DIGITAL 3-S >100 dB 75 Ohm SW mit klebender Folie	10,3	39	107
101042	HD-SAT+BK PE Erdkabel 1,6/7,3 DIGITAL 4-S >120 dB 75 Ohm SW	10,3	50,5	107
101363	HD-SAT+BK PE halogenfrei 1,6/7,3 DIGITAL 3-S >100 dB 75 Ohm SW mit klebender Folie	10,3	39	107

DA	outer diameter
Cu	copper
G	weight

Coaxial cable Video 0,6/3,7



	<i>VIDEO standard</i>	<i>VIDEO FRNC</i>	<i>VIDEO flexibel</i>	<i>VIDEO kombi</i>	<i>VIDEO Slimline</i>
inner conductor:	Copper, solid, bare	Copper, solid, bare	Copper, stranded, bare	Copper, solid, bare	Copper, solid, bare
inner conductor diameter:	0,6 mm	0,6 mm	mm	0,6 mm	0,6 mm
insulation:	solid PE	solid PE	solid PE	solid PE	solid PE
screen:	bare copper braiding	bare copper braiding	bare copper braiding	bare copper braiding	aluminium foil + tinned copper braiding
outer sheath:	PVC	FRNC compound	PVC	PVC	FRNC compound
flame retardance:		IEC 60332-1-2			
min. bending radius:	10 x DA	10 x DA	10 x DA	10 x DA	10 x DA
operating temperature:	-5 - +70 °C	0 - 70 °C	-5 - +70 °C	-5 - +70 °C	-5 - +70 °C
impedance:	75 Ohm	75 Ohm	75 Ohm	75 Ohm	75 Ohm
capacity:	67 nF/km	67 nF/km	nF/km	67 nF/km	55 nF/km
velocity factor:	0,66 v/c	0,66 v/c	0,66 v/c	0,66 v/c	0,66 v/c
DC-resistance inner conductor:	63 Ohm/km	63 Ohm/km	82 Ohm/km	63 Ohm/km	60 Ohm/km
DC-resistance screen:	13 Ohm/km	13 Ohm/km	13 Ohm/km	13 Ohm/km	15 Ohm/km
colour of outer sheath:	green	green	green	black	green

Table: Technical characteristics VIDEO standard

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100463	FACAB VIDEO 0,6/3,7 75 Ohm GN	6,2	24	45

Table: Technical characteristics VIDEO FRNC

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100469	FACAB VIDEO halogenfrei 0,6/3,7 75 Ohm GN	6,2	24	45

Table: Technical characteristics VIDEO flexibel

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100735	FACAB VIDEO flexibel 0,6L/3,7 75 Ohm GN	6,2	24	45

Table: Technical characteristics VIDEO kombi

p/n	part name	b [mm]	h [mm]	Cu [kg/km]	G [kg]
101012	Video Systemkabel 0,6/3,7 75 Ohm + 2X0,5 qmm SW	12,1	6,1	36	96
100719	Video Systemkabel 0,6/3,7 75 Ohm + 2X0,75 qmm SW	12,1	6,1	38	98,5

Table: Technical characteristics VIDEO Slimline

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100944	FACAB VIDEO Slimline FRNC 0,6/2,8 75 Ohm GN	4,6	17	32

DA	outer diameter
b	width of (flat) cable
h	hight of (flat) cable
Cu	copper
G	weight

Coaxial cable Video 1,0/6,6



inner conductor:	Copper, solid, bare
inner conductor diameter:	1 mm
insulation:	solid PE
insulation diameter:	6,3 mm
screen:	bare copper braiding
outer sheath:	PE
min. bending radius:	5 x DA
operating temperature:	-40 - +70 °C
impedance:	75 Ohm
capacity:	67 nF/km
velocity factor:	0,66 v/c
DC-resistance inner conductor:	24 Ohm/km
DC-resistance screen:	7,5 Ohm/km

Application: For connecting of video components inside and outside of buildings on large distances.

FACAB VIDEO (100472, picture) is suitable for difficult installations inside of buildings and for direct earth burial but has to be protected against direct sun irradiation in open air.

FACAB VIDEO aussen (100604, without picture) is UV and ozon resistant and suitable for direct earth burial.

Table: Technical characteristics Video PE

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
100472	FACAB VIDEO 1,0/6,6 75 Ohm GN mit Metermarkierung	9,1	39	108
100604	FACAB VIDEO Aussenkabel 1,0/6,6 75 Ohm SW	9,1	39	108

DA	outer diameter
Cu	copper
G	weight

Coaxial cable FACAB VIDEO SDI/HD 1,2/5,0



inner conductor:	Copper, solid, bare
inner conductor diameter:	1,2 mm
insulation:	foam-PE
insulation diameter:	5 mm
screen:	aluminium foil + tinned copper braiding
coverage:	90 %
outer sheath:	PVC
impedance:	75 Ohm
capacity:	55 nF/km
velocity factor:	0,78 v/c
DC-resistance inner conductor:	19 Ohm/km
DC-resistance screen:	12 Ohm/km
conductor construction:	stranded, class 2

Application: For connecting of video components inside of buildings. Suitable for devices with SDI-interface.

Attenuation at 20 °C

f (MHz)	D (dB/100 m)
100	6,3
300	11,4
500	14,9
800	18,6
1000	20,6
1500	25,0
2250	31,9
3000	37,5

Table: Technical characteristics

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101177	FACAB VIDEO SDI/HD-SDI 1,2/5,0 75 Ohm GN Long Distance	7,1	35	55
101223	FACAB VIDEO SDI/HD-SDI 1,2L/5,0 75 Ohm GN Long Distance	7	35	57
101617	FACAB VIDEO SDI/HD-SDI 1,2L/5,0 75 Ohm GN Long Distance 70%	7	35	57

DA	outer diameter
Cu	copper
G	weight

Coaxial cable FACAB VIDEO SDI/HD 1,0/4,8



inner conductor:	Copper, solid, bare
insulation:	foam-PE
insulation diameter:	4,8 mm
screen:	aluminium foil + tinned copper braiding
coverage:	90 %
outer sheath:	PVC
min. bending radius:	50 x DA
operating temperature:	-40 - +70 °C
impedance:	75 Ohm
capacity:	55 nF/km
velocity factor:	0,78 v/c
DC-resistance inner conductor:	23 Ohm/km
DC-resistance screen:	8 Ohm/km
colour of outer sheath:	green

Application: For connecting of video components inside of buildings. Suitable for operation in SDI-interface.

Attenuation at 20 °C

f (MHz)	D (dB/100 m)
100	6,3
300	11,4
500	14,9
800	18,6
1000	20,6
1500	25,0
2250	31,9
3000	37,5

Table: Technical characteristics

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101468	FACAB VIDEO SDI/HD-SDI 1,0/4,8 75 Ohm GN	7,1	26	64
101502	FACAB VIDEO SDI/HD-SDI FRNC 1,0/4,8 75 Ohm GN	7,1	20	64

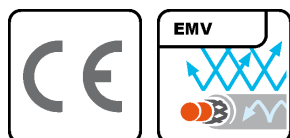
DA	outer diameter
Cu	copper
G	weight

Coaxial cable FACAB VIDEO SDI/HD 0,8/3,7



inner conductor:	Copper, solid, bare
inner conductor diameter:	0,8 mm
insulation:	foam-PE
insulation diameter:	3,7 mm
screen:	aluminium foil + tinned copper braiding
coverage:	90 %
outer sheath:	PVC
operating temperature:	-40 - +70 °C
impedance:	75 Ohm
capacity:	55 nF/km
velocity factor:	0,75 v/c
DC-resistance inner conductor:	34 Ohm/km
DC-resistance screen:	9 Ohm/km
colour of outer sheath:	green

Application: For connecting of video components inside of buildings. The cable is suitable for components with SDI-interface.



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Attenuation at 20 °C

f (MHz)	D (dB/100 m)
100	6,3
300	10,8
450	13,0
862	18,8
1000	20,6
1350	23,7
1750	27,2
2250	30,7
2500	33,8

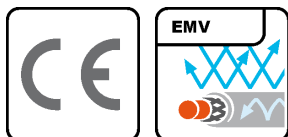
Table: Technical characteristics

p/n	part name	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
101661	FACAB VIDEO SDI/HD-SDI 0,8/3,7 75 Ohm GN	40	6	22	49

Rbv	bending radius, fixed installation
DA	outer diameter
Cu	copper
G	weight

Coaxial cable FACAB VIDEO SDI/HD 0,6/2,8

inner conductor:	Copper, solid, bare
inner conductor diameter:	0,6 mm
insulation:	foam-PE
insulation diameter:	2,8 mm
screen:	aluminium foil + tinned copper braiding
coverage:	90 %
outer sheath:	PVC
min. bending radius:	25 x DA
operating temperature:	-40 - +70 °C
DC-resistance inner conductor:	63 Ohm/km
DC-resistance screen:	16 Ohm/km
colour of outer sheath:	green



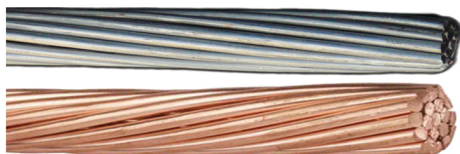
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Table: Technical characteristics

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg]
101207	FACAB VIDEO SDI/HD-SDI 0,6/2,8 75 Ohm GN	4,2	17	38

DA	outer diameter
Cu	copper
G	weight

Copper conductor acc. to DIN 48201/1 and DIN VDE 0295



conductor material: copper, bare or tinned
conductor construction: stranded, class 2

Application: For earthing purposes in electrical installations. Also for direct burial in ground.

Additional information: Soft annealed conductors have a calculated tensile strength of 200 N/sqmm, whereas for hard drawn conductors this value is 400 N/sqmm.

Table: Technical characteristics Copper conductor, soft annealed, tinned

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
012978	copper conductor, soft annealed, tinned 01X10 qmm (7X1,35 mm)	1,84		96	96
012979	copper conductor, soft annealed, tinned 01X16 qmm (7X1,7 mm)	1,16	5,1	154	154
013066	copper conductor, soft annealed, tinned 01X25 qmm (7x2,1 mm)	0,727	6,3	240	240
012609	copper conductor, soft annealed, tinned 01X25 qmm (196x0,4 mm)	0,734	6,3	250	250
012236	copper conductor, soft annealed, tinned 01X35 qmm (07x2,5 mm)	0,529	7,5	336	336
012238	copper conductor, soft annealed, tinned 01X50 qmm (19x1,8 mm)	0,391	9	480	480
012240	copper conductor, soft annealed, tinned 01X70 qmm (19x2,1 mm)	0,27	10,5	672	672
012242	copper conductor, soft annealed, tinned 01X95 qmm (19x2,5 mm)	0,195	12,5	912	912
012235	copper conductor, soft annealed, tinned 01X120 qmm (37x1,99 mm)	0,154	14,1	1152	1152
012244	copper conductor, soft annealed, tinned 01X120 qmm (19x2,8 mm)	0,154	14	1152	1152
012247	copper conductor, soft annealed, tinned 01X150 qmm (37x2,25 mm)	0,126	15,8	1470	1470
012597	copper conductor, soft annealed, tinned 01X150 qmm (37x53X0,3 mm)	0,124	15,8	1470	1470
012457	copper conductor, soft annealed, tinned 01X185 qmm (37x2,5 mm)	0,1	17,5	1776	1776
012254	copper conductor, soft annealed, tinned 01X240 qmm (61x2,21 mm)	0,0762	20,2	2304	2304

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
012971	copper conductor, soft annealed, tinned 01X240 qmm (61x2,25 mm)	0,0762	20,2	2304	2304
012792	copper conductor, soft annealed, tinned 01X300 qmm (61x2,5 mm)		23,1	2880	2880

Table: Technical characteristics Copper conductor, hard drawn, bare

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
013711	copper conductor, hard drawn, bare 01X16 qmm (7X1,7 mm)		5,1	154	154
013160	copper conductor, hard drawn, bare 01X25 qmm (7x2,1 mm)	0,727	6,3	240	240
012865	copper conductor, hard drawn, bare 01X35 qmm (7x2,5 mm)	0,524	7,5	336	336
013712	Kupferseil, hart, blank 01X50 qmm Aufbau 7X3 mm		9	480	480
013244	copper conductor, hard drawn, bare 01X50 qmm (19x1,8 mm)		9	480	480
013824	Kupferseil, hart, blank 01X70 qmm Aufbau 19x2,1 mm		10,5	672	672
012766	copper conductor, hard drawn, bare 01X95 qmm (19x2,5 mm)	0,193	12,5	912	912

Table: Technical characteristics Copper conductor, soft annealed, bare

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
013790	Kupferseil, weich, blank 01X6 qmm Aufbau 07x1,05 mm		3,2	58	58
013710	copper conductor, soft annealed, bare 01X16 qmm (7X1,7 mm)			154	154
012237	copper conductor, soft annealed, bare 01X35 qmm (07x2,5 mm)	0,524	7,5	336	336
012470	copper conductor, soft annealed, bare 01X50 qmm (7x3 mm)	0,387	9	480	480
012239	copper conductor, soft annealed, bare 01X50 qmm (19x1,8 mm)	0,387	9	480	480
012241	copper conductor, soft annealed, bare 01X70 qmm (19x2,1 mm)	0,268	10,5	672	672
012243	copper conductor, soft annealed, bare 01X95 qmm (19x2,5 mm)	0,193	12,5	912	912
012245	copper conductor, soft annealed, bare 01X120 qmm (19x2,8 mm)	0,1499	14	1152	1152
012246	copper conductor, soft annealed, bare 01X120 qmm (37x1,99 mm)	0,1499	13,9	1152	1152
013793	Kupferseil, weich, blank 01X150 qmm Aufbau 19x3,15 mm			1470	1470

p/n	part name	R _I [Ω/km]	D _A [mm]	Cu [kg/km]	G [kg]
012248	copper conductor, soft annealed, bare 01X150 qmm (37x2,25 mm)	0,1196	15,8	1470	1470
013218	copper conductor, soft annealed, bare 01X185 qmm (37x2,5 mm)	0,0991		1776	1776
012255	copper conductor, soft annealed, bare 01X240 qmm (61x2,21 mm)	0,0727	20,2	2304	2304
012972	copper conductor, soft annealed, bare 01X240 qmm (61x2,32 mm)	0,0727	20,2	2304	2304
013536	Kupferseil, weich, blank 01X500 qmm Aufbau 61x3,3 mm			4880	4880

RI	conductor resistance
DA	outer diameter
Cu	copper
G	weight

Compensation cable AGL type KCA LiYY



Specification/standard:	DIN IEC 584
conductor material:	Ni/CrNi
conductor construction:	7x0,2
insulation:	PVC
sheathing material:	PVC
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
Temperature range:	0 - 150 °C
max. operating temperature,	-5 - +70 °C
fixed:	
temperature, moved/during	0 - 70 °C
installation:	
Insulation/sheath color:	gn(+)-wh(-)/gn
Class:	2 (+/- 2,5 °C)

Table: Technical characteristics AGL Typ KCA LiYY

p/n	part name	D _A [mm]	G [kg]
070328	Ausgleichsleitung LiYY 04X1,5 NiCr/Ni WS/GN Farbcodierung nach IEC, Typ K	8,2	130

DA outer diameter

G weight

Compensation cable AGL type KCA LiY(St)Y



Specification/standard:	DIN IEC 584
conductor material:	Ni/CrNi
insulation:	PVC
screen:	Plastic coated Al-foil + solid copper drain wire
sheathing material:	PVC
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
Temperature range:	0 - 150 °C
max. operating temperature,	-5 - +70 °C
fixed:	
temperature, moved/during	0 - 70 °C
installation:	
Insulation/sheath color:	gn(+)-wh(-)/gn
Class:	2 (+/- 2,5 °C)

Application: For connecting of thermo elements to measuring electronics.



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Table: Technical characteristics AGL Typ KCA LiY(St)Y

p/n	part name	D _A [mm]	G [kg]
070886	Compensation cable LiY(St)Y 02X1,5 NiCr/Ni WS/GN Farbcodierung nach IEC, Typ K	7,3	76

DA	outer diameter
G	weight

Compensation cable AGL Typ KCA Li2G2G

Specification/standard:	DIN IEC 584
conductor material:	Ni/CrNi
insulation:	silicone rubber
sheathing material:	silicone rubber
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
Temperature range:	0 - 150 °C
max. operating temperature,	-60 - +180 °C
fixed:	
temperature, moved/during	-5 - +180 °C
installation:	
Insulation/sheath color:	wh(-)/gn(+)/gn
Class:	2 (+/- 2,5 °C)

Table: Technical characteristics AGL Typ KCA Li2G2G

p/n	part name	D _A [mm]	G [kg]
070357	Ausgleichsleitung Li2G2G 02X1,5 NiCr/Ni WS/GN Farbcodierung nach IEC, Typ K	7	76

DA outer diameter

G weight

Thermocouple extension cable THL type JX LiY(St)Y

Specification/standard:	DIN IEC 584
conductor material:	Fe/CuNi (Type JX)
insulation:	PVC
screen:	Plastic coated Al-foil + solid copper drain wire
drain wire:	yes
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
Temperature range:	-25 - +200 °C
max. operating temperature,	-5 - +70 °C
fixed:	
temperature, moved/during	0 - 70 °C
installation:	
Insulation/sheath color:	bk(+)-wh(-)/bk

Table: Technical characteristics THL Typ JX LiY(St)Y

p/n	part name	D _A [mm]	G [kg]
070386	Ausgleichsleitung LiY(St)Y 02X1,5 Fe/CuNi WS/SW Farbcodierung nach IEC, Typ J	7,5	76

DA	outer diameter
G	weight

Impressum

Klaus Faber AG

Lebacher Straße 152 - 156

66113 Saarbrücken

Fon: +49 681 9711-0

Fax: +49 681 9711-289

E-Mail: info@faberkabel.de

Vorstand Klaus Faber, Reinhard Müller und Joachim Krimmel

Eintragung im Handelsregister

Registergericht: Amtsgericht Saarbrücken

Registernummer: HRB 12115

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DE 811237924