



Cable Catalogue

Welcome!



The new FABER KABEL catalogue: Your gateway to one of Europe's largest cable warehouses!

FABER KABEL stocks 60,000 km of cable and feed products in an area of 136,000 m². Being a full-range distributor, we take pride in addressing all the cable needs of our customers by maintaining a product range that is broad and deep enough to cater to virtually every requirement. The items available directly from stock add up to 60,000 km of cable and feed products, a length equal to 1.5 times the earth's circumference. Select from more than 8,000 items available directly from stock.

Are you looking for fast order fulfilment and delivery? Our logistics system is optimised so that we can generally get your order to you in Germany within 48 hours. Or do you need your material elsewhere? We deliver all over the world. Do you require short-length cabling? We can supply cable precision-cut to the lengths specified by you. The teams at our two logistics centres dispatch approximately 400 tons of items to you each and every day. And not only that: we pack your order as instructed by you for shipment, e.g. employing wood and Lamiflex planking, for arrival just in time at your construction site.

What's new in this edition

You will notice that our items feature a Quick Response Code (QR code) for the first time. If your mobile is equipped with a camera and the right app, all you have to do is take a picture of the QR code and your mobile will automatically load the associated webpage so you can take a closer look. Each of the QR codes in the catalogue links to a data sheet. The catalogue also features a selection table for drag chain cable in the annex so you can locate our feed cable items suitable for drag chain handling in the respective product category. A separate section on drag chain products has been dispensed with. Also note the changed type designation codes for some products in the Control cable section.



Disclaimer

Not all of the items featured in this catalogue are available at all times. Subject to change without notice. While every effort is made to ensure accuracy and currency, this catalogue may not be regarded as an infallible guide.
Edition: 11/2011



Power cables 1 up to 30 kV

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Low voltage cable
Medium voltage cable
Overhead line



Building Wires

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Sheathed Building Wire

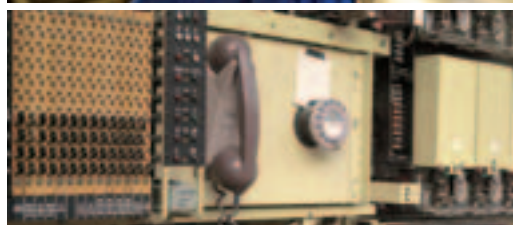


Flexible Cables

59

PVC-insulated wires and cords
Rubber Insulated Cables
Rubber insulated wires
Solar Cable

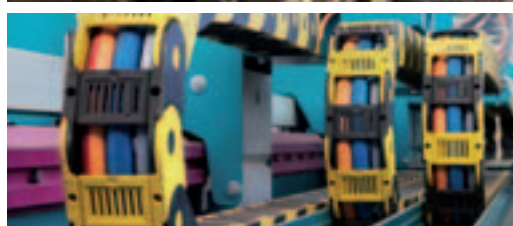
Silicone insulated wires and cords
PUR-insulated cords
Speaker cable
Special Versions



Telecommunication Cables and Cords

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Indoor cable
Subscriber line cable
Instrumentation cable
Industrial electronic cable



Control and Electronic Cable

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Control cable
Electronic cable
Drag chain cable
Bus Cables



Cable with circuit integrity E30 or E90

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Halogen free cables and safety cables
FRNC communication cable

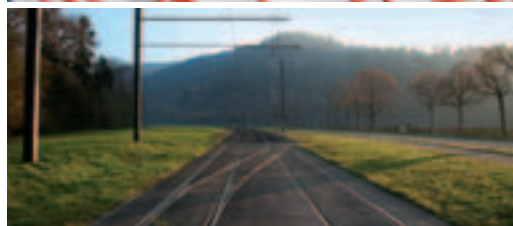


LAN cables

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Systemkabel
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Cables up to 1000 MHz
Optical cables - indoor
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Conductor ropes

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NYY-J



standard	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
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)

Application:

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

p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011840	01X4	RE	bk	38	9,1	110	dr.
011742	01X6	RE	bk	58	9,5	130	dr.
010133	01X10	RE	bk	96	10,2	180	dr.
010116	01X16	RE	bk	154	11,2	240	dr., c. 100, c. 50
010117	01X25	RM	bk	240	12,2	350	dr.
010118	01X35	RM	bk	336	13,2	460	dr.
010119	01X50	RMv	bk	480	15,4	600	dr.
010120	01X70	RMv	bk	672	16,4	800	dr.
010121	01X95	RMv	bk	912	18,5	1100	dr.
010147	01X120	RMv	bk	1152	20,5	1350	dr.
010148	01X150	RMv	bk	1440	22,5	1650	dr.
010506	01X185	RMv	bk	1776	24,6	2000	dr.
010507	01X240	RMv	bk	2304	27,6	2600	dr.
011225	01X300	RMv	bk	2880	29,7	3200	dr.
012110	01X400	RMv	bk	3840	33,8	4100	dr.
010003	03X1,5	RE	bk	43	11,2	190	dr., c. 100, c. 50
010012	03X2,5	RE	bk	72	12,2	240	dr., c. 100, c. 50
010020	03X4	RE	bk	115	14,2	330	dr., c. 100, c. 50
010023	03X6	RE	bk	173	15,2	420	dr.
010004	03X10	RE	bk	288	17,3	580	dr.
010009	03X16	RE	bk	461	19,3	810	dr.
010015	03X25	RM	bk	720	24,5	1300	dr.
010018	03X35	SM	bk	1008	22,6	1400	dr.
010021	03X50	SMv	bk	1440	25,6	1800	dr.
010024	03X70	SMv	bk	2016	29,7	2400	dr.
010026	03X95	SMv	bk	2736	33,8	3300	dr.
010005	03X120	SMv	bk	3456	35,8	4000	dr.
010007	03X150	SMv	bk	4320	39,8	4900	dr.
010010	03X185	SMv	bk	5328	46	6500	dr.
010013	03X240	SMv	bk	6912	51	8300	dr.
010491	03X16/10	RE	bk	557	21,2	1030	dr.
010016	03X25/16	RM	bk	874	24,5	1500	dr.
010019	03X35/16	SM	bk	1162	24,5	1700	dr.
010022	03X50/25	SMv	bk	1680	28,7	2300	dr.
010025	03X70/35	SMv	bk	2352	31,7	2800	dr.
010027	03X95/50	SMv	bk	3216	37,8	3800	dr.
010006	03X120/70	SMv	bk	4128	41	4700	dr.
010008	03X150/70	SMv	bk	4992	45	5600	dr.
010011	03X185/95	SMv	bk	6240	50	7400	dr.
010014	03X240/120	SMv	bk	8064	57	9600	dr.
010017	03X300/150	SMv	bk	10080	64	11200	dr.
010028	04X1,5	RE	bk	58	12,2	220	dr., c. 100, c. 50

NYY-J

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
010034	04X2,5	RE	bk	96	13,2	290 dr., c. 100, c. 50
010038	04X4	RE	bk	154	15,3	400 dr., c. 50
010040	04X6	RE	bk	230	16,3	510 dr., c. 100, c. 50
010029	04X10	RE	bk	384	18,3	720 dr., c. 50
010032	04X16	RE	bk	614	21,4	1050 dr., c. 50
011018	04X16/RM	RM	bk	614	21,4	1050 dr.
010036	04X25	RM	bk	960	25,5	1600 dr.
010037	04X35	SM	bk	1344	27,7	1750 dr.
010039	04X50	SMv	bk	1920	29,8	2300 dr.
010041	04X70	SMv	bk	2688	33,8	3100 dr.
010042	04X95	SMv	bk	3648	38,9	4200 dr.
010030	04X120	SMv	bk	4608	42	5200 dr.
010031	04X150	SMv	bk	5760	47	6400 dr.
010033	04X185	SMv	bk	7104	52	8050 dr.
010035	04X240	SMv	bk	9216	58	11000 dr.
013150	04X300	SMv	bk	11520	62,4	13127 dr.
010043	05X1,5	RE	bk	72	13,2	270 dr., c. 100, c. 50
010046	05X2,5	RE	bk	120	14,2	350 dr., c. 100, c. 50
010049	05X4	RE	bk	192	16,3	480 dr., c. 100, c. 50
010050	05X6	RE	bk	288	18,3	610 dr., c. 50
010044	05X10	RE	bk	480	20,4	880 dr., c. 50
010045	05X16	RE	bk	768	22,4	1250 dr., c. 50
010047	05X25	RM	bk	1200	27,5	1950 dr.
010048	05X35	RM	bk	1680	33,6	2400 dr.
011028	05X50	RMv	bk	2400	40	3500 dr.
012086	05X70	RMv	bk	3360	42,4	4450 dr.
012087	05X95	RMv	bk	4560	50	6134 dr.
012088	05X120	RMv	bk	5760	51,3	7483 dr.



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

Application:

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

standard	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
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	no
core identification	colours acc. VDE 0293 (HD308)

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011512	01X1,5	RE	bk	14,4	7	63 dr.
012625	01X2,5	RE	bk	24	7,9	105 dr.
010085	01X4	RE	bk	38	9,1	110 dr.
010087	01X6	RE	bk	58	9,5	130 dr.
010076	01X10	RE	bk	96	10,2	180 dr.



NYN-O



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
010079	01X16	RE	bk	154	11,2	240	dr.
010082	01X25	RM	bk	240	12,2	350	dr.
010084	01X35	RM	bk	336	13,2	460	dr.
010086	01X50	RMv	bk	480	15,4	600	dr.
010088	01X70	RMv	bk	672	16,4	800	dr.
010089	01X95	RMv	bk	912	18,5	1100	dr.
010077	01X120	RMv	bk	1152	20,5	1350	dr.
010078	01X150	RMv	bk	1440	22,5	1650	dr.
010080	01X185	RMv	bk	1776	24,6	2000	dr.
010081	01X240	RMv	bk	2304	27,6	2600	dr.
010083	01X300	RMv	bk	2880	29,7	3200	dr.
010115	01X400	RMv	bk	3840	33,8	4100	dr.
010141	01X500	RMv	bk	4800	38	5200	dr.
010283	01X630	RMv	bk	6048	42,5	6650	dr.
010090	02X1,5	RE	bk	29	11	170	dr.
010093	02X2,5	RE	bk	48	12	210	dr.
010095	02X4	RE	bk	77	14	290	dr.
010096	02X6	RE	bk	115	15,2	360	dr.
010091	02X10	RE	bk	192	16,6	490	dr.
010092	02X16	RE	bk	307	19	660	dr.
010140	02X25	RM	bk	480	23	940	dr.
011554	03X1,5	RE	bk	43	11,2	190	dr., c. 100
011033	03X2,5	RE	bk	72	12,2	240	dr.
010480	03X4	RE	bk	115	14,2	330	dr.
010508	03X6	RE	bk	173	15,2	420	dr.
010483	03X10	RE	bk	288	17,3	580	dr.
010484	03X25	RM	bk	720	24,5	1300	dr.
011032	03X35	SM	bk	1008	22,6	1350	dr.
010150	03X50	SMv	bk	1440	25,6	1800	dr.
010149	03X95	SMv	bk	2736	33,8	3300	dr.
010510	03X150	SMv	bk	4320	39,8	4900	dr.
011552	03X185	SMv	bk	5328	46	6500	dr.
011553	04X1,5	RE	bk	58	12,2	220	dr.
011849	04X2,5	RE	bk	96	13,2	290	dr.
010509	04X4	RE	bk	154	15,3	400	dr.
010109	04X6	RE	bk	230	16,3	510	dr.
010102	04X10	RE	bk	384	18,3	720	dr.
010105	04X16	RE	bk	614	21,4	1050	dr.
010106	04X25	RM	bk	960	25,5	1600	dr.
010107	04X35	SM	bk	1344	27,7	1750	dr.
010108	04X50	SMv	bk	1920	29,8	2300	dr.
010110	04X70	SMv	bk	2688	33,8	3100	dr.
010111	04X95	SMv	bk	3648	38,9	4200	dr.
010103	04X120	SMv	bk	4608	42	5200	dr.
010104	04X150	SMv	bk	5760	47	6400	dr.
011010	04X185	SMv	bk	7104	52	8050	dr.
011531	04X240	SMv	bk	9216	58	11000	dr.

Application:

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

standard	VDE 0276-627
conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC DIV 4
sheathing material	PVC DMV 5
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	yes
core identification	gn-ye + numbers



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
010052	07X1,5	RE	bk	101	16	300	dr., c. 100
010053	07X2,5	RE	bk	168	17	420	dr.
010054	07X4	RE	bk	269	19	630	dr.
010918	07X6	RE	bk	403	21	840	dr.
010930	07X10	RE	bk	672	23	1150	dr.
012003	08X1,5	RE	bk	115	14,2	334	dr.
010055	10X1,5	RE	bk	144	19	360	dr.
010056	10X2,5	RE	bk	240	20	500	dr.
011216	10X4	RE	bk	384	23	930	dr.
010057	12X1,5	RE	bk	173	19	400	dr.
010058	12X2,5	RE	bk	288	21	560	dr.
010059	14X1,5	RE	bk	202	20	450	dr.
010060	14X2,5	RE	bk	336	21	630	dr.
011530	14X4	RE	bk	538	25	1000	dr.
012197	14X6	RE	bk	806	25,9	1354	dr.
010061	16X1,5	RE	bk	230	21	500	dr.
010062	16X2,5	RE	bk	384	22	710	dr.
013028	18X4	RE	bk	691,2	25,7	1181	dr.
010063	19X1,5	RE	bk	274	22	560	dr.
010064	19X2,5	RE	bk	456	23	830	dr.
011759	19X4	RE	bk	730	28	1354	dr.
010065	21X1,5	RE	bk	302	23	620	dr.
010066	21X2,5	RE	bk	504	25	910	dr.
010067	24X1,5	RE	bk	346	25	700	dr.
010068	24X2,5	RE	bk	576	27	1050	dr.
012256	24X4	RE	bk	922	30	1636	dr.
013029	27X4	RE	bk	1037	31,1	1706	dr.
010069	30X1,5	RE	bk	432	26	810	dr.
010070	30X2,5	RE	bk	720	28	1250	dr.
012257	30X4	RE	bk	1152	32	1962	dr.
011511	31X1,5	RE	bk	446	27	834	dr.
010071	40X1,5	RE	bk	576	29	1050	dr.
010072	40X2,5	RE	bk	960	31	1650	dr.
010073	52X1,5	RE	bk	749	32	1400	dr.
010074	52X2,5	RE	bk	1248	35	2150	dr.
010075	61X1,5	RE	bk	878	34	1650	dr.

NYY-OZ



standard	VDE 0276-627
conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC DIV 4
sheathing material	PVC DMV 5
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	no
core identification	numbers

Application:

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

p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011861	05X1,5	RE	bk	72	13,2	270	dr.
012095	05X2,5	RE	bk	120	14,2	350	dr.
010490	07X1,5	RE	bk	101	16	300	dr.
011687	07X2,5	RE	bk	168	17	420	dr.
011688	07X4	RE	bk	269	19	630	dr.
012089	08X1,5	RE	bk	115	14,2	334	dr.
012096	08X2,5	RE	bk	192	17,4	480	dr.
012090	10X1,5	RE	bk	144	19	360	dr.
011778	10X2,5	RE	bk	240	20	500	dr.
012103	10X4	RE	bk	384	23,4	930	dr.
011034	12X1,5	RE	bk	173	19	400	dr.
012097	12X2,5	RE	bk	288	21	560	dr.
011548	12X4	RE	bk	461	24,1	1100	dr.
012091	14X1,5	RE	bk	202	20	450	dr.
011779	14X2,5	RE	bk	336	21	630	dr.
012104	14X4	RE	bk	538	25	1000	dr.
011862	16X1,5	RE	bk	230	21	500	dr.
012098	16X2,5	RE	bk	384	22	710	dr.
012092	19X1,5	RE	bk	274	22	560	dr.
012099	19X2,5	RE	bk	456	23	830	dr.
012105	19X4	RE	bk	730	27,7	1354	dr.
012093	21X1,5	RE	bk	302	23	620	dr.
012100	21X2,5	RE	bk	504	25	910	dr.
011863	24X1,5	RE	bk	346	25	700	dr.
011780	24X2,5	RE	bk	576	27	1050	dr.
011035	30X1,5	RE	bk	432	26	810	dr.
012101	30X2,5	RE	bk	720	28	1250	dr.
012094	40X1,5	RE	bk	576	29	1050	dr.
012102	40X2,5	RE	bk	960	31	1650	dr.

Application:

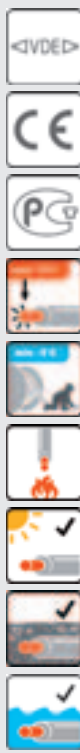
For fixed installation in buildings, in free air, in ground and in water.

standard	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
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	no
core identification	colored acc. to HD 308; more than 5 cores: numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
080030	02X1,5/1,5	RE	bk	52	13	200 dr.
080031	02X2,5/2,5	RE	bk	80	13,6	260 dr.
080032	02X4/4	RE	bk	123	15,4	350 dr.
080033	02X6/6	RE	bk	182	16,9	430 dr.
080077	02X10/10	RE	bk	312	18,5	520 dr.
080078	02X16/16	RE	bk	489	20,5	720 dr.
080035	03X1,5/1,5	RE	bk	66	13,2	220 dr.
080037	03X2,5/2,5	RE	bk	104	14,2	280 dr.
080038	03X4/4	RE	bk	161	16,3	390 dr.
080039	03X6/6	RE	bk	240	17,3	500 dr.
080079	03X10/10	RE	bk	408	20	680 dr.
080080	03X16/16	RE	bk	643	23	1010 dr.
080040	04X1,5/1,5	RE	bk	81	14,2	250 dr.
080041	04X2,5/2,5	RE	bk	128	15,3	340 dr.
080042	04X4/4	RE	bk	200	17,3	460 dr.
080043	04X6/6	RE	bk	297	18,4	580 dr.
080081	04X10/10	RE	bk	504	21	765 dr.
080082	04X16/16	RE	bk	796	23	1060 dr.
080044	05X1,5/1,5	RE	bk	95	15	330 dr.
080076	05X2,5/2,5	RE	bk	152	16	400 dr.
080083	05X4/4	RE	bk	238	19	550 dr.
080084	05X6/6	RE	bk	355	21	700 dr.
080045	07X1,5/2,5	RE	bk	133	15,3	350 dr.
080046	07X2,5/2,5	RE	bk	200	17,4	450 dr.
080047	07X4/4	RE	bk	315	20	600 dr.
080085	07X6/6	RE	bk	470	22,5	790 dr.
080098	08X1,5/2,5	RE	bk	147	17,5	450 dr.
080207	08X2,5/4	RE	bk	238	19	530 dr.
080091	08X4/4	RE	bk	360	20	770 dr.
080208	08X4/6	RE	bk	374	21	751 dr.
080225	08X6/6	RE	bk	535	23,3	1010 dr.
080048	10X1,5/2,5	RE	bk	176	18,4	410 dr.
080049	10X2,5/4	RE	bk	286	20,4	600 dr.
080086	10X4/6	RE	bk	451	23,5	900 dr.
080050	12X1,5/2,5	RE	bk	205	19,4	470 dr.
080051	12X2,5/4	RE	bk	334	20,5	660 dr.
080069	12X4/6	RE	bk	528	24,5	1060 dr.
080052	14X1,5/2,5	RE	bk	234	20,4	520 dr.
080053	14X2,5/6	RE	bk	403	21,5	750 dr.
080073	16X1,5/4	RE	bk	276	20	620 dr.
080054	16X2,5/6	RE	bk	451	22,5	800 dr.

NYCY



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
080055	19X1,5/4	RE	bk	22,5	660	dr.
080056	19X2,5/6	RE	bk	23,5	940	dr.
080057	21X1,5/6	RE	bk	23	790	dr.
080058	24X1,5/6	RE	bk	25,5	850	dr.
080059	24X2,5/10	RE	bk	27,6	1150	dr.
080223	24X4/10	RE	bk	32,3	1813	dr.
080068	30X1,5/6	RE	bk	26,5	1020	dr.
080087	30X2,5/10	RE	bk	29,5	1600	dr.
080074	40X1,5/10	RE	bk	30	1280	dr.
080075	40X2,5/10	RE	bk	33	1660	dr.
080072	52X1,5/10	RE	bk	32	1600	dr.
080088	52X2,5/10	RE	bk	35	2000	dr.
080089	61X1,5/10	RE	bk	33	2000	dr.
080090	61X2,5/10	RE	bk	36	2280	dr.

NYCWY



standard	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
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	no
core identification	colours acc. VDE 0293 (HD308)

Application:

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

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
080003	03X10/10	RE	bk	19,4	750	dr.
080008	03X16/16	RE	bk	21,4	1050	dr.
080011	03X25/25	RM	bk	25,5	1600	dr.
080013	03X35/35	SM	bk	25,7	1850	dr.
080015	03X50/50	SMv	bk	28,7	2400	dr.

NYCWY

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
080017	03X70/70	SMv	bk	2796	33,8	3300 dr.
080019	03X95/95	SMv	bk	3791	37,8	4500 dr.
080004	03X120/120	SMv	bk	4786	41,8	5500 dr.
080006	03X150/150	SMv	bk	5970	46	6750 dr.
080010	03X25/16	RM	bk	902	25,5	1600 dr.
080012	03X35/16	SM	bk	1190	27,6	1700 dr.
080014	03X50/25	SMv	bk	1723	28,7	2300 dr.
080016	03X70/35	SMv	bk	2410	32,8	2900 dr.
080018	03X95/50	SMv	bk	3296	37,8	4000 dr.
080005	03X120/70	SMv	bk	4236	40,8	5000 dr.
080007	03X150/70	SMv	bk	5100	45	6000 dr.
080009	03X185/95	SMv	bk	6383	50	7500 dr.
080061	03X240/120	SMv	bk	8242	57	10000 dr.
080020	04X10/10	RE	bk	504	20,4	870 dr.
080023	04X16/16	RE	bk	796	23,4	1250 dr.
080025	04X25/16	RM	bk	1142	27,6	1800 dr.
080026	04X35/16	SM	bk	1526	28,6	2050 dr.
080027	04X50/25	SMv	bk	2203	32,8	2700 dr.
080028	04X70/35	SMv	bk	3082	36,8	3750 dr.
080029	04X95/50	SMv	bk	4208	43,9	5000 dr.
080021	04X120/70	SMv	bk	5388	47	6300 dr.
080022	04X150/70	SMv	bk	6540	51	7600 dr.
080024	04X185/95	SMv	bk	8159	56	9300 dr.
080062	04X240/120	SMv	bk	10546	63	11600 dr.



Application:

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

standard	VDE 0276-603
conductor material	aluminium
insulation	PVC DIV 4
sheathing material	PVC DMV 5
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)

p/n	type	colour	AL kg/km	D _A mm	weight ca. kg/km	packaging
090010	04X16	RE	bk	186	24	750 dr.
090006	04X25	RE	bk	290	25	950 dr.
090093	04X25 RM	RM	bk	290	25	950 dr.
090007	04X35	RE	bk	406	28,1	1120 dr.
090001	04X50	SE	bk	580	29,5	1151 dr.
090116	04X50SM	SMv	bk	580	29,5	1151 dr.
090002	04X70	SE	bk	812	35	1549 dr.



NAYY-J



p/n	type		colour	AL kg/km	D _A mm	weight ca. kg/km	packaging
090117	04X70SM	SMv	bk	812	33,4	1549	dr.
090008	04X95	SE	bk	1102	39	2030	dr.
090018	04X95SM	RMv	bk	1102	39	2030	dr.
090003	04X120	SE	bk	1392	43	2400	dr.
090019	04X120SM	RMv	bk	1392	43	2400	dr.
090004	04X150	SE	bk	1740	46	3030	dr.
090020	04X150SM	SMv	bk	1740	46	3030	dr.
090005	04X185	SE	bk	2146	51	3650	dr.
090021	04X185SM	SMv	bk	2146	51	3650	dr.
090009	04X240	SE	bk	2784	56	4800	dr.
090022	04X240SM	SMv	bk	2784	58	4800	dr.
090123	04X300	SMv	bk	3480	65,5	5685	dr.

NAYY-O



standard	VDE 0276-603
conductor material	aluminium
insulation	PVC DIV 4
sheathing material	PVC DMV 5
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	no
core identification	colours acc. VDE 0293 (HD308)

Application:

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

p/n	type		colour	AL kg/km	D _A mm	weight ca. kg/km	packaging
090135	01X16	RM	bk	46,4	10,5	145	dr.
090136	01X25	RM	bk	72,5	12	195	dr.
090109	01X35	RMv	bk	101,5	13,5	255	dr.
090036	01X50	RMv	bk	145	15	298	dr.
090037	01X70	RMv	bk	203	17	383	dr.
090038	01X95	RMv	bk	275	19	490	dr.
090039	01X120	RMv	bk	348	20	575	dr.

NAYY-O

p/n	type	colour	AL kg/km	D _A mm	weight ca. kg/km	packaging
090040	01X150	RMv	bk	435	22	695 dr.
090041	01X185	RMv	bk	536	25	845 dr.
090035	01X240RM	RMv	bk	696	28	1100 dr.
090027	01X300RM	RMv	bk	870	30	1379 dr.
090042	01X400	RMv	bk	1160	34	1615 dr.
090043	01X500	RMv	bk	1450	37	2015 dr.
090034	01X630RM	RMv	bk	1827	43	2472 dr.
090112	02X16	RE	bk	93	19	470 dr.
090044	04X16	RE	bk	186	24	750 dr.
090045	04X25	SE	bk	290	25	950 dr.
090046	04X35	SE	bk	406	28	1120 dr.
090047	04X50	SE	bk	580	30	1151 dr.
090048	04X70	SE	bk	812	35	1549 dr.
090049	04X95	SE	bk	1102	39	2030 dr.
090050	04X120	SE	bk	1392	43	2400 dr.
090051	04X150	SE	bk	1740	46	3030 dr.
090052	04X185	SE	bk	2146	51	3650 dr.
090053	04X240	SE	bk	2784	56	4800 dr.



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

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Control and
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Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

Application:

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

standard	VDE 0276-603
conductor material	aluminium
insulation	PVC DIV 4
sheathing material	PVC DMV 5
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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	no
core identification	colours acc. VDE 0293 (HD308)

p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
090011	03X35/35	SM	bk	240	305	27	1300 dr.
090012	03X50/50	SMv	bk	340	435	28	1400 dr.
090013	03X70/70	SMv	bk	475	609	32	1950 dr.
090014	03X95/95	SMv	bk	640	827	36	2500 dr.
090015	03X120/120	SMv	bk	1330	1044	39	2950 dr.
090016	03X150/150	SMv	bk	1550	1305	43	3550 dr.
090113	03X240/120	SMv	bk	1330	2088	63	5600 dr.



NAYCWY



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
090074	04X16/16	RE	bk	182	186	22	950 dr.
090058	04X25/16	RM	bk	182	290	26	1150 dr.
090059	04X35/16	SM	bk	182	406	27	1200 dr.
090060	04X50/25	SMv	bk	283	580	31	1600 dr.
090061	04X70/35	SMv	bk	394	812	35	2250 dr.
090062	04X95/50	SMv	bk	560	1102	42	2900 dr.
090063	04X120/70	SMv	bk	780	1392	45	3500 dr.
090064	04X150/70	SMv	bk	780	1740	48	4200 dr.
090065	04X185/95	SMv	bk	1055	2146	53	4950 dr.
090066	04X240/120	SMv	bk	1330	2784	60	5600 dr.

(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	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011125	03X1,5	RE	bk	43	11,3	190 dr.
011126	05X1,5	RE	bk	72	13,3	270 dr.
011127	07X1,5	RE	bk	101	14,3	300 dr.

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.

(N)2XY-J

Application:

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

standard	IEC 60502
conductor material	bare copper
insulation	XLPE DIX3
sheathing material	PVC ST2, UV-resistant
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
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 D _A
nominal voltage U₀	0,6 kV
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



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012363	01X240	RMv	bk	2304	27,7	2560	dr.
012364	01X300	RMv	bk	2880	29,9	3142	dr.
012366	03X1,5	RE	bk	43,2	11,3	177	dr.
012367	03X2,5	RE	bk	72	12,1	223	dr.
012368	03X4	RE	bk	115,2	13,1	291	dr.
012369	03X6	RE	bk	173	14,1	370	dr.
012370	03X10	RE	bk	288	16,9	562	dr.
012371	03X16	RE	bk	461	19,2	790	dr.
012374	03X25/16	RM	bk	874	23,1	1500	dr.
012376	03X35/16	SM	bk	1162	26,2	1700	dr.
012378	03X50/25	SMv	bk	1680	30,9	2300	dr.
012380	03X70/35	SMv	bk	2352	33,2	2800	dr.
012382	03X95/50	SMv	bk	3216	39,1	3800	dr.
012384	03X120/70	SMv	bk	4128	42,3	4700	dr.
012386	03X150/70	SMv	bk	4992	46,8	5600	dr.
012388	03X185/95	SMv	bk	6240	51,9	7400	dr.
012390	03X240/120	SMv	bk	8064	59,6	9600	dr.
012391	03X300/150	SMv	bk	10080	66,7	11200	dr.
012392	04X1,5	RE	bk	58	11,8	202	dr.
012393	04X2,5	RE	bk	96	12,8	258	dr.
012394	04X4	RE	bk	154	14,1	343	dr.
012395	04X6	RE	bk	230,4	15,2	442	dr.
012396	04X10	RE	bk	384	18,4	678	dr.
012397	04X16	RE	bk	614,4	21,7	1013	dr.
013246	04X25/16		bk	1114	27,6	1539	dr.
013247	04X35/16		bk	1498	30	1965	dr.
013248	04X50/25		bk	2160	33,8	2445	dr.
013249	04X70/35		bk	3024	39,1	3342	dr.
013250	04X95/50		bk	4128	43,8	5521	dr.
013251	04X150/70		bk	6432	53,7	7641	dr.
013252	04X185/95		bk	8016	60,1	8508	dr.
012408	05X1,5	RE	bk	72	13,1	270	dr.
012409	05X2,5	RE	bk	120	14,2	350	dr.
012410	05X4	RE	bk	192	15,1	480	dr.
012411	05X6	RE	bk	288	17,6	610	dr.
012412	05X10	RE	bk	480	19,7	880	dr.
012413	05X16	RE	bk	768	22,1	1250	dr.
012414	05X25	RM	bk	1200	27,2	1950	dr.
012420	07X1,5	RE	bk	101	14,1	300	dr.
012421	07X2,5	RE	bk	168	15,2	420	dr.

(N)2XY-J



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012429	10X1,5	RE	bk	144	17,1	360	dr.
012430	10X2,5	RE	bk	240	18,5	500	dr.
012440	19X1,5	RE	bk	274	19,5	560	dr.
012441	19X2,5	RE	bk	456	21,6	830	dr.



(N)2XY-O

Application:

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

standard	IEC 60502
conductor material	bare copper
insulation	XLPE DIX3
sheathing material	PVC ST2, UV-resistant
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
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 D _A
nominal voltage U₀	0,6 kV
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



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012274	01X185	RMv	bk	1776	24,8	1981	dr.
012275	01X240	RMv	bk	2304	27,7	2560	dr.
012276	01X300	RMv	bk	2880	29,9	3142	dr.
012277	01X400	RMv	bk	3840	33,5	4100	dr.
012278	01X500	RMv	bk	4800	38	5200	dr.

Power cables
1 up to 30 kV

Building Wires

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Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

NYFGY 0,6/1 kV



standard	VDE 0271
conductor material	bare copper
conductor construction	class 1, from 25 sqmm class 2
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	-5 - +70 °C
bending radius, fixed installation	15 x D _A
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
test voltage	4 kV
core identification	colours acc. VDE 0293 (HD308)

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.

p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011771	03X25/16	SM	bk	874	26	2396	dr.
011772	03X35/16	SM	bk	1162	28	2585	dr.
011499	03X50/25	SMv	bk	1680	33	3100	dr.
011773	03X70/35	SMv	bk	2352	35	4028	dr.
011740	03X95/50	SMv	bk	3216	40	4750	dr.
011500	03X120/70	SMv	bk	4128	43	6000	dr.
011774	03X150/70	SMv	bk	4992	47	7320	dr.
011509	03X240/120	SMv	bk	8064	58	10000	dr.
011729	04X50	SMv	bk	1920	35	3539	dr.
011730	04X185	SMv	bk	7104	55	10129	dr.

(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
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-20 - +70 °C
temperature, moved/ during installation	+5 - +70 °C
bending radius, fixed installation	10 x D _A
nominal voltage U₀	0,6 kV
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.

p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031735	03X1,5	RE	bk	43	12,1	160	dr.
031898	03X2,5	RE	bk	72	13	195	dr.
031925	04X1,5	RE	bk	58	13,8	180	dr.
031952	04X2,5	RE	bk	96	14	240	dr.
032071	04X4	RE	bk	154	16,8	350	dr.
032110	04X6	RE	bk	230	17,9	440	dr.
032111	04X10	RE	bk	384	20,2	630	dr.

(N)Y(Zg)2Y

p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032112	04X16	RE	bk	614	22,8	880	dr.
032859	05X1,5	RE	bk	72	14	230	dr.
031866	05X2,5	RE	bk	120	15,8	240	dr.
031956	05X4	RE	bk	192	17,9	410	dr.
031938	05X6	RE	bk	288	19,7	520	dr.
032113	05X10	RE	bk	480	22,8	780	dr.
034994	05X16	RE	bk	768	26,4	1280	dr.



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

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Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

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.

standard	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	VDE 0482-266-2-4/IEC 60332-3-24
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 D _A
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012570	01X16	RE	bk	154	12	270	dr.
012460	01X120	RMv	bk	1152	22	1500	dr.
011070	03X1.5	RE	bk	43	12	179	dr., c. 50

N2XH-J



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011071	03X2,5	RE	bk	72	13	225	dr.
011073	03X4	RE	bk	115	14	291	dr.
011074	03X6	RE	bk	173	15	371	dr.
011075	03X10	RE	bk	288	16	523	dr.
011076	03X16	RE	bk	461	20	773	dr.
011077	03X25	RM	bk	720	22	1200	dr.
011078	03X35	SM	bk	1008	25	1600	dr.
011079	03X50	SMv	bk	1440	26	1800	dr.
011514	03X25/16	RM	bk	874	24	1200	dr.
011515	03X35/16	SM	bk	1162	26	1640	dr.
011080	03X50/25	SMv	bk	1680	32	2200	dr.
011081	03X70/35	SMv	bk	2352	37	2950	dr.
011082	03X95/50	SMv	bk	3216	41	3900	dr.
011083	03X120/70	SMv	bk	4128	45	4800	dr.
011084	03X150/70	SMv	bk	4992	49	5750	dr.
011085	03X185/95	SMv	bk	6240	55	7200	dr.
011086	03X240/120	SMv	bk	8064	62	9150	dr.
011087	04X1,5	RE	bk	58	13	208	dr.
011088	04X2,5	RE	bk	96	14	265	dr.
011089	04X4	RE	bk	154	15	352	dr.
011090	04X6	RE	bk	230	16	454	dr.
011091	04X10	RE	bk	384	18	647	dr.
011092	04X16	RE	bk	614	20	964	dr.
011093	04X25	RM	bk	960	26	1446	dr.
011094	04X35	SM	bk	1344	29	1906	dr.
011095	04X50	SMv	bk	1920	32	2530	dr.
011096	04X70	SMv	bk	2688	37	3418	dr.
011097	04X95	SMv	bk	3648	41	4574	dr.
011098	04X120	SMv	bk	4608	48	5300	dr.
011099	04X150	SMv	bk	5760	50	6350	dr.
011100	04X185	SMv	bk	7104	53	7800	dr.
011101	04X240	SMv	bk	9216	58	10300	dr.
013238	04X25/16	RM	bk	1114	26,1	1539	dr.
013239	04X35/16	SMv	bk	1498	29,4	1965	dr.
013240	04X50/25	SMv	bk	2160	30,8	2445	dr.
013241	04X70/35	SMv	bk	3024	34,6	3342	dr.
013242	04X185/95	SMv	bk	8016	52,8	8508	dr.
011102	05X1,5	RE	bk	72	14	243	dr.
011103	05X2,5	RE	bk	120	15	310	dr.
011104	05X4	RE	bk	192	16	413	dr.
011105	05X6	RE	bk	288	17	536	dr.
011106	05X10	RE	bk	480	19	776	dr.
011107	05X16	RE	bk	768	22	1165	dr.
011169	05X25	RM	bk	1200	25	1766	dr.
012993	05X35	RM	bk	1680	28,8	2155	dr.
011108	07X1,5	RE	bk	101	14	206	dr.
011115	07X2,5	RE	bk	168	15	287	dr.
011122	07X4	RE	bk	269	15	530	dr.
011109	10X1,5	RE	bk	144	17	287	dr.
011116	10X2,5	RE	bk	240	18	472	dr.
011110	12X1,5	RE	bk	173	17	328	dr.
011111	14X1,5	RE	bk	202	17	383	dr.
011118	14X2,5	RE	bk	336	19	670	dr.
011112	19X1,5	RE	bk	274	19	484	dr.
011119	19X2,5	RE	bk	456	21	840	dr.
011113	24X1,5	RE	bk	346	22	603	dr.
011120	24X2,5	RE	bk	576	25	1050	dr.
011114	30X1,5	RE	bk	432	23	730	dr.
011121	30X2,5	RE	bk	720	26	1230	dr.
011170	40X1,5	RE	bk	576	26	1200	dr.

N2XH-0

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.

standard	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	VDE 0482-266-2-4/IEC 60332-3-24
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 D _A
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV
test voltage	4 kV
protective conductor	no
core identification	colours acc. VDE 0293 (HD308)



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012541	01X1,5	RE	bk	14,4		53	dr.
012542	01X2,5	RE	bk	24		90	dr.
011049	01X4	RE	bk	38	9	140	dr.
011072	01X6	RE	bk	58	10	160	dr.
011051	01X10	RE	bk	96	11	210	dr.
011052	01X16	RE	bk	154	12	270	dr.
011053	01X25	RM	bk	240	14	380	dr.
011054	01X35	RM	bk	336	15	490	dr.
011055	01X50	RMv	bk	480	16	620	dr.
011056	01X70	RMv	bk	672	18	830	dr.
011057	01X95	RMv	bk	912	20	1200	dr.
011058	01X120	RMv	bk	1152	22	1275	dr.
011059	01X150	RMv	bk	1440	24	1700	dr.
011060	01X185	RMv	bk	1776	26	2200	dr.
011061	01X240	RMv	bk	2304	29	2750	dr.
011062	01X300	RMv	bk	2880	30	3300	dr.
011864	01X400	RMv	bk	3840	32	4420	dr.
011543	01X500	RMv	bk	4800	37	4866	dr.
012621	01X630	RMv	bk	6048		6650	dr.
011063	02X1,5	RE	bk	29	12	180	dr.
011064	02X2,5	RE	bk	48	12,1	210	dr.
011065	02X4	RE	bk	77	13	270	dr.
011066	02X6	RE	bk	115	14	340	dr.
011067	02X10	RE	bk	192	16	450	dr.
011068	02X16	RE	bk	307	18	600	dr.
011069	02X25	RM	bk	480	23	980	dr.
011997	03X1,5	RE	bk	43	12	179	dr.
012622	03X2,5	RE	bk	72	13	225	dr.
012057	04X4	RE	bk	154	15	352	dr.
012456	04X6	RE	bk	230	16	454	dr.
011382	04X10	RE	bk	384	18	647	dr.
011547	04X16	RE	bk	614	20	964	dr.
012040	04X25	RM	bk	960	26	1446	dr.
012211	04X35	SM	bk	1344	29	1906	dr.
012041	04X50	SMv	bk	1920	32	2530	dr.
012212	04X70	SMv	bk	2688	37	3418	dr.
012036	04X95	SMv	bk	3648	41	4574	dr.
011381	04X120	SMv	bk	4608	48	5300	dr.
012051	10X1,5	RE	bk	144	17	287	dr.

N2XCH



standard	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	VDE 0482-266-2-4/IEC 60332-3-24
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 D _A
nominal voltage U₀	0,6 kV
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.



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012738	01X300/16	RMv	bk	3062	0	3398 dr.
011128	02X1,5/1,5	RE	bk	52	12	250 dr.
011129	02X2,5/2,5	RE	bk	80	12	280 dr.
011508	02X4/4	RE	bk	123	14	320 dr.
012528	02X6/6	RE	bk	182	15	410 dr.
012529	02X10/10	RE	bk	312	17	550 dr.
012530	02X16/16	RE	bk	489	19	780 dr.
011130	03X1,5/1,5	RE	bk	66	12	250 dr.
011131	03X2,5/2,5	RE	bk	104	13	320 dr.
011132	03X4/4	RE	bk	161	14	400 dr.
011133	03X6/6	RE	bk	240	16	500 dr.
011134	03X10/10	RE	bk	408	18	750 dr.
011135	03X16/16	RE	bk	643	21	1000 dr.
011136	03X25/16	RM	bk	902	24	1600 dr.
011137	03X35/16	SM	bk	1190	27	1900 dr.
011138	03X50/25	SMv	bk	1723	30	2400 dr.
012063	03X70/35	SMv	bk	2410	34	2615 dr.
013018	03X95/50	SMv	bk	3296	38,1	3636 dr.
013019	03X120/70	SMv	bk	4236	42,5	4606 dr.
013020	03X150/70	SMv	bk	5100	47	5552 dr.
012064	03X185/95	SMv	bk	6383	50	6680 dr.
013021	03X240/120	SMv	bk	8242	57,1	8964 dr.
011139	04X1,5/1,5	RE	bk	81	13	235 dr.
011140	04X2,5/2,5	RE	bk	128	14	302 dr.
011141	04X4/4	RE	bk	200	15	411 dr.
011142	04X6/6	RE	bk	297	17	527 dr.
011029	04X10/10	RE	bk	504	19	762 dr.
011143	04X16/16	RE	bk	796	22	1139 dr.
011144	04X25/16	RM	bk	1142	27	1634 dr.
011145	04X35/16	SM	bk	1526	29	2080 dr.
011146	04X50/25	SMv	bk	2203	33	2790 dr.
011147	04X70/35	SMv	bk	3082	41	3550 dr.
011148	04X95/50	SMv	bk	4208	46	4800 dr.
011149	04X120/70	SMv	bk	5388	50	6556 dr.
011150	04X150/70	SMv	bk	6540	55	7904 dr.
011151	04X185/95	SMv	bk	8159	62	9950 dr.
011152	04X240/120	SMv	bk	10546	68	12912 dr.
012215	05X1,5/1,5	RE	bk	95	14	283 dr.
011153	07X1,5/2,5	RE	bk	133	16	380 dr.
011154	07X2,5/2,5	RE	bk	200	18	480 dr.

N2XCH

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011155	07X4/4	RE	bk	19	650	dr.
011156	07X6/6	RE	bk	20	850	dr.
011979	10X2,5/4	RE	bk	18	550	dr.
011157	12X1,5/2,5	RE	bk	20	550	dr.
011158	12X2,5/4	RE	bk	21	750	dr.
012458	14X1,5/2,5	RE	bk	17,6	486	dr.
011980	21X2,5/10	RE	bk	23	1050	dr.
011159	24X1,5/6	RE	bk	25	950	dr.
011973	24X2,5/10	RE	bk	26	1106	dr.
011160	30X1,5/6	RE	bk	27	1100	dr.
011858	30X2,5/6	RE	bk	28	1500	dr.
011161	30X2,5/10	RE	bk	30	1500	dr.



N2XSY 6/10 kV



standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	PVC DMV6
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 D _A
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011292	1X35/16 RM	rd	518	24	920	dr.
011288	1X50/16 RMv	rd	662	25	1100	dr.
011289	1X70/16 RMv	rd	854	27	1300	dr.
011326	1X95/16 RMv	rd	1094	28	1600	dr.
011290	1X120/16 RMv	rd	1334	30	1850	dr.
011327	1X150/16 RMv	rd	1622	31	2050	dr.
011291	1X150/25 RMv	rd	1723	31	2200	dr.
011328	1X185/16 RMv	rd	1958	33	2450	dr.
011329	1X185/25 RMv	rd	2059	33	2550	dr.
011330	1X240/16 RMv	rd	2486	35	3000	dr.
011294	1X240/25 RMv	rd	2587	35	3150	dr.
011331	1X300/25 RMv	rd	3163	37	3750	dr.
011332	1X400/35 RMv	rd	4234	41	4650	dr.
011333	1X500/35 RMv	rd	5194	44	5700	dr.
011976	1X630/35 RMv	rd	6442	49	7090	dr.



N2XSY 12/20 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.

standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	PVC DMV6
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 D _A
nominal voltage U₀	12 kV
nominal voltage U	20 kV
maximum permitted operating voltage in 3-phase systems	24 kV
test voltage	42 kV



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011295	1X35/16	RM	rd	518	28	1100	dr.
011296	1X50/16	RMv	rd	662	29	1250	dr.
011297	1X70/16	RMv	rd	854	31	1500	dr.
011298	1X95/16	RMv	rd	1094	32	1800	dr.
011318	1X120/16	RMv	rd	1334	34	2050	dr.
011334	1X150/16	RMv	rd	1622	35	2300	dr.
011335	1X150/25	RMv	rd	1723	35	2400	dr.
011336	1X185/16	RMv	rd	1958	37	2650	dr.
011299	1X185/25	RMv	rd	2059	37	2800	dr.
011337	1X240/16	RMv	rd	2486	40	3250	dr.
011338	1X240/25	RMv	rd	2587	40	3400	dr.
011339	1X300/25	RMv	rd	3163	42	4000	dr.
011341	1X400/35	RMv	rd	4234	45	4950	dr.
011340	1X500/35	RMv	rd	5194	49	6050	dr.
012566	1X630/35	RMv	rd	6442	53	7090	dr.
011529	1X800/35	RMv	rd	8094	60	9032	dr.

N2XSY 18/30 kV



standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	PVC DMV6
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 D _A
nominal voltage U₀	18 kV
nominal voltage U	30 kV
maximum permitted operating voltage in 3-phase systems	36 kV
test voltage	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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011342	1X50/16 RM	rd	662	34	1550	dr.
011343	1X70/16 RM	rd	854	36	1750	dr.
011344	1X95/16 RM	rd	1094	37	2050	dr.
011345	1X120/16 RM	rd	1334	39	2350	dr.
011346	1X150/25 RM	rd	1723	40	2700	dr.
011347	1X185/25 RM	rd	2059	42	3100	dr.
011348	1X240/25 RM	rd	2587	44	3700	dr.
011349	1X300/25 RM	rd	3163	47	4350	dr.
011350	1X400/35 RM	rd	4234	50	5350	dr.
011351	1X500/35 RM	rd	5194	53	6450	dr.
013061	1X630/35 RMv	rd	6442		7833	dr.

NA2XSY 6/10 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.

standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	PVC DMV6
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 D _A
nominal voltage U₀	6 kV
nominal voltage U	10 kV
maximum permitted operating voltage in 3-phase systems	12 kV
test voltage	21 kV



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
011392	1X50/16	RMv	rd	182	145	25	780 dr.
011393	1X70/16	RMv	rd	182	203	27	870 dr.
012614	1X70/25	RMv	rd	283	203	27	1395 dr.
011394	1X95/16	RMv	rd	182	276	28	990 dr.
011395	1X120/16	RMv	rd	182	348	30	1100 dr.
012615	1X120/50	RMv	rd	560	348	30	1659 dr.
011396	1X150/16	RMv	rd	182	435	31	1250 dr.
011397	1X150/25	RMv	rd	283	435	31	1300 dr.
011398	1X185/16	RMv	rd	182	537	33	1400 dr.
011399	1X185/25	RMv	rd	283	537	33	1450 dr.
011400	1X240/16	RMv	rd	182	696	35	1600 dr.
011401	1X240/25	RMv	rd	283	696	35	1650 dr.
011402	1X300/25	RMv	rd	283	870	37	1950 dr.
011403	1X400/35	RMv	rd	394	1160	41	2350 dr.
011404	1X500/35	RMv	rd	394	1450	44	2700 dr.
012508	1X800/35	RMv	rd	394	2320		3973 dr.

NA2XSY 12/20 kV



standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	PVC DMV6
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 D _A
nominal voltage U₀	12 kV
nominal voltage U	20 kV
maximum permitted operating voltage in 3-phase systems	24 kV
test voltage	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.



p/n	type		colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
011405	1X50/16	RMv	rd	182	145	29	970	dr.
011406	1X70/16	RMv	rd	182	203	31	1100	dr.
011407	1X95/16	RMv	rd	182	276	32	1200	dr.
011408	1X120/16	RMv	rd	182	348	34	1350	dr.
013031	01X120/25	RMv	rd	283	348	34,4	1320	dr.
011409	1X150/16	RMv	rd	182	435	35	1450	dr.
011410	1X150/25	RMv	rd	283	435	35	1500	dr.
011411	1X185/16	RMv	rd	182	537	37	1650	dr.
011412	1X185/25	RMv	rd	283	537	37	1700	dr.
011413	1X240/16	RMv	rd	182	696	40	1850	dr.
011414	1X240/25	RMv	rd	283	696	40	1900	dr.
011415	1X300/25	RMv	rd	283	870	42	2200	dr.
011416	1X400/35	RMv	rd	394	1160	45	2600	dr.
011417	1X500/35	RMv	rd	394	1450	48	3000	dr.

NA2XSY 18/30 kV

Application:

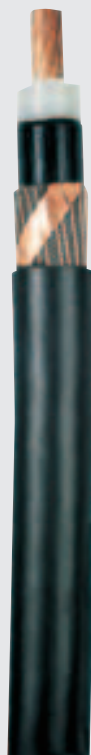
For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. Acc. to VDE 0276-603 cables must be protected against direct sun irradiation.

standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	PVC DMV6
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 D _A
nominal voltage U₀	18 kV
nominal voltage U	30 kV
maximum permitted operating voltage in 3-phase systems	36 kV
test voltage	63 kV



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
011418	1X50/16	RMv	rd	182	145	34	1250 dr.
011419	1X70/16	RMv	rd	182	203	36	1350 dr.
012965	1X70/25	RMv	rd	283	203	37	1250 dr.
011420	1X95/16	RMv	rd	182	276	37	1500 dr.
011421	1X120/16	RMv	rd	182	348	39	1600 dr.
011422	1X150/16	RMv	rd	182	435	40	1750 dr.
011423	1X150/25	RMv	rd	283	435	40	1850 dr.
011424	1X185/16	RMv	rd	182	537	42	1950 dr.
011425	1X185/25	RMv	rd	283	537	42	2000 dr.
011426	1X240/16	RMv	rd	182	696	44	2200 dr.
011427	1X240/25	RMv	rd	283	696	44	2250 dr.
011428	1X300/25	RMv	rd	283	870	47	2550 dr.
011429	1X400/35	RMv	rd	394	1160	50	3000 dr.
011430	1X500/35	RMv	rd	394	1450	53	3450 dr.
013137	1X630/35	RMv	rd	394	1827	57,3	3607 dr.

N2XS2Y 6/10 kV



standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
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 D _A
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 high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation.

p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011352	1X35/16	RM	bk	518	24	900	dr.
011353	1X50/16	RMv	bk	662	25	950	dr.
011354	1X70/16	RMv	bk	854	27	1200	dr.
011355	1X95/16	RMv	bk	1094	28	1450	dr.
011356	1X120/16	RMv	bk	1334	30	1700	dr.
011357	1X150/16	RMv	bk	1622	31	1950	dr.
011358	1X150/25	RMv	bk	1723	31	2050	dr.
011359	1X185/16	RMv	bk	1958	33	2350	dr.
011360	1X185/25	RMv	bk	2059	33	2400	dr.
011361	1X240/16	RMv	bk	2486	35	2900	dr.
011362	1X240/25	RMv	bk	2587	35	2950	dr.
011363	1X300/25	RMv	bk	3163	37	3550	dr.
011364	1X400/35	RMv	bk	4234	41	4500	dr.
011365	1X500/35	RMv	bk	5194	44	5500	dr.
012047	1X630/35	RMv	bk	6384	49	6840	dr.

N2XS2Y 12/20 kV

Application:

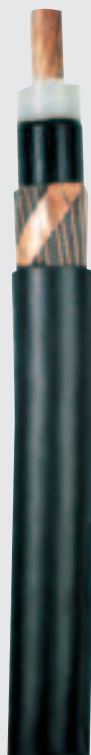
For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation.

standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
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 D _A
nominal voltage U₀	12 kV
nominal voltage U	20 kV
maximum permitted operating voltage in 3-phase systems	24 kV
test voltage	42 kV



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011366	1X35/16	RM	bk	518	28	970	dr.
011367	1X50/16	RMv	bk	662	29	1150	dr.
011368	1X70/16	RMv	bk	854	31	1350	dr.
011369	1X95/16	RMv	bk	1094	32	1650	dr.
011370	1X120/16	RMv	bk	1334	34	1900	dr.
011371	1X150/16	RMv	bk	1622	35	2150	dr.
011372	1X150/25	RMv	bk	1723	35	2250	dr.
011373	1X185/16	RMv	bk	1958	37	2550	dr.
011374	1X185/25	RMv	bk	2059	37	2600	dr.
011375	1X240/16	RMv	bk	2486	40	3100	dr.
011376	1X240/25	RMv	bk	2587	40	3200	dr.
011377	1X300/25	RMv	bk	3163	42	3800	dr.
011378	1X400/35	RMv	bk	4234	45	4750	dr.
011379	1X500/35	RMv	bk	5194	48	5800	dr.
013154	1X630/35	RMv	bk	6442		7090	dr.

N2XS2Y 18/30 kV



standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
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 D _A
nominal voltage U₀	18 kV
nominal voltage U	30 kV
maximum permitted operating voltage in 3-phase systems	36 kV
test voltage	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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011380	1X50/16	RMv	bk	34	1350	dr.
011383	1X70/16	RMv	bk	36	1600	dr.
011384	1X95/16	RMv	bk	37	1900	dr.
011385	1X120/16	RMv	bk	39	2150	dr.
011386	1X150/25	RMv	bk	40	2550	dr.
011387	1X185/25	RMv	bk	42	2900	dr.
011388	1X240/25	RMv	bk	44	3500	dr.
011777	1X240/70	RMv	bk	45	4200	dr.
011389	1X300/25	RMv	bk	47	4150	dr.
013135	1X300/50	RMv	bk	46,8	4276	dr.
011390	1X400/35	RMv	bk	50	5100	dr.
011391	1X500/35	RMv	bk	53	6200	dr.
013037	1X630/35	RMv	bk	58	7403	dr.

N2XS(F)2Y 6/10 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.

standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
nominal voltage U₀	6 kV
nominal voltage U	10 kV
maximum permitted operating voltage in 3-phase systems	12 kV
test voltage	21 kV



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011479	1X50/16	RMv	bk	662	25	1150	dr.
011480	1X70/16	RMv	bk	854	27	1400	dr.
011481	1X95/16	RMv	bk	1094	28	1650	dr.
012712	1X95/35	RMv	bk	1306	29	1617	dr.
011482	1X120/16	RMv	bk	1334	30	1900	dr.
011483	1X150/25	RMv	bk	1723	31	2300	dr.
011484	1X185/25	RMv	bk	2059	33	2650	dr.
011485	1X240/25	RMv	bk	2587	35	3250	dr.
011486	1X300/25	RMv	bk	3163	37	3850	dr.
012680	1X300/50	RMv	bk	3440	37	3761	dr.
011487	1X400/35	RMv	bk	4234	41	4800	dr.
011488	1X500/35	RMv	bk	5194	44	5900	dr.
012224	1X630/35	RMv	bk	6442	49	7014	dr.

N2XS(F)2Y 12/20 kV



standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
nominal voltage U₀	12 kV
nominal voltage U	20 kV
maximum permitted operating voltage in 3-phase systems	24 kV
test voltage	42 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.



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011546	1X35/16	RM	bk	518	28	1300	dr.
011489	1X50/16	RMv	bk	662	29	1350	dr.
011490	1X70/16	RMv	bk	854	31	1600	dr.
011317	1X95/16	RMv	bk	1094	32	1900	dr.
011491	1X120/16	RMv	bk	1334	34	2150	dr.
011492	1X150/25	RMv	bk	1723	35	2500	dr.
011309	1X185/25	RMv	bk	2059	37	2900	dr.
011493	1X240/25	RMv	bk	2587	40	3500	dr.
011494	1X300/25	RMv	bk	3163	42	4150	dr.
011495	1X400/35	RMv	bk	4234	45	5100	dr.
011496	1X500/35	RMv	bk	5194	48	6200	dr.
012225	1X630/35	RMv	bk	6442	52	7365	dr.

N2XS(F)2Y 18/30 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.

standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
nominal voltage U₀	18 kV
nominal voltage U	30 kV
maximum permitted operating voltage in 3-phase systems	36 kV
test voltage	63 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011516	1X50/16	RMv	bk	34	1650	dr.
011517	1X70/16	RMv	bk	36	1900	dr.
011526	1X95/16	RMv	bk	37	2150	dr.
011519	1X120/16	RMv	bk	39	2450	dr.
011520	1X150/25	RMv	bk	40	2750	dr.
011521	1X185/25	RMv	bk	42	3150	dr.
011972	1X185/35	RMv	bk	42	2955	dr.
011522	1X240/25	RMv	bk	44	3800	dr.
012216	1X240/70	RMv	bk	44	3786	dr.
011523	1X300/25	RMv	bk	47	4400	dr.
011524	1X400/35	RMv	bk	50	5450	dr.
011525	1X500/35	RMv	bk	53	6550	dr.
012226	1X630/35	RMv	bk	58	7803	dr.



N2XS(FL)2Y 6/10 kV



standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	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 D _A
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 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.



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012467	01X95/16	RMv	bk	29	1450	dr.
012459	01X120/16	RMv	bk	31	1900	dr.
012639	01X150/25	RMv	bk	32	1997	dr.
012582	01X185/25	RMv	bk	34	2463	dr.
011825	01X240/25	RMv	bk	36	3050	dr.
012001	01X300/25	RMv	bk	38	3720	dr.
012613	01X500/35	RMv	bk	45	5878	dr.
012654	01X630/35	RMv	bk	48	7014	dr.

N2XS(FL)2Y 12/20 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.

standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	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 D _A
nominal voltage U₀	12 kV
nominal voltage U	20 kV
maximum permitted operating voltage in 3-phase systems	24 kV
test voltage	42 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
013117	1X50/16	RMv	bk	662	34	1170 dr.
013118	1X70/16	RMv	bk	854	36	1470 dr.
011786	1X95/16	RMv	bk	1094	33	1900 dr.
013119	1X120/16	RMv	bk	1334	39	2260 dr.
013033	1X150/25	RMv	bk	1723	38	2318 dr.
013030	1X240/25	RMv	bk	2587	41	3700 dr.
011750	1X300/25	RMv	bk	3163	43	3940 dr.
012228	1X500/35	RMv	bk	5194	50	5948 dr.



NA2XS2Y 6/10 kV



standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
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 D _A
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 high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation.



p/n	type		colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
011431	1X50/16	RMv	bk	182	145	25	670	dr.
011432	1X70/16	RMv	bk	182	203	27	750	dr.
011433	1X95/16	RMv	bk	182	276	28	860	dr.
011498	1X120/16	RMv	bk	182	348	30	950	dr.
011434	1X150/16	RMv	bk	182	435	31	1100	dr.
011435	1X150/25	RMv	bk	283	435	31	1150	dr.
011436	1X185/16	RMv	bk	182	537	33	1250	dr.
011437	1X185/25	RMv	bk	283	537	33	1300	dr.
011438	1X240/16	RMv	bk	182	696	35	1400	dr.
011439	1X240/25	RMv	bk	283	696	35	1500	dr.
011440	1X300/25	RMv	bk	283	870	37	1750	dr.
011441	1X400/35	RMv	bk	394	1160	41	2150	dr.
011442	1X500/35	RMv	bk	394	1450	44	2500	dr.
013026	1X630/35	RMv	bk	394	1827	48	2500	dr.

NA2XS2Y 12/20 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.

standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
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 D _A
nominal voltage U₀	12 kV
nominal voltage U	20 kV
maximum permitted operating voltage in 3-phase systems	24 kV
test voltage	42 kV



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
012811	1X35/16	RM	bk	182	102	28	725 dr.
011443	1X50/16	RMv	bk	182	145	29	830 dr.
011444	1X70/16	RMv	bk	182	203	31	920 dr.
011324	1X95/16	RMv	bk	182	276	32	1050 dr.
011323	1X120/16	RMv	bk	182	348	34	1150 dr.
011445	1X150/16	RMv	bk	182	435	35	1300 dr.
011325	1X150/25	RMv	bk	283	435	35	1350 dr.
011446	1X185/16	RMv	bk	182	537	37	1450 dr.
011321	1X185/25	RMv	bk	283	537	37	1550 dr.
011449	1X240/16	RMv	bk	182	696	40	1650 dr.
011448	1X240/25	RMv	bk	283	696	40	1750 dr.
011450	1X300/25	RMv	bk	283	870	42	2000 dr.
011451	1X400/35	RMv	bk	394	1160	45	2400 dr.
011452	1X500/35	RMv	bk	394	1450	48	2800 dr.
012227	1X630/35	RMv	bk	394	1827	52	3297 dr.
013152	1X800/35	RMv	bk	394	2320	58	3900 dr.



NA2XS2Y 18/30 kV



standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
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 D _A
nominal voltage U₀	20 kV
nominal voltage U	30 kV
maximum permitted operating voltage in 3-phase systems	36 kV
test voltage	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.



p/n	type		colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
011453	1X50/16	RMv	bk	182	145	34	1100	dr.
011454	1X70/16	RMv	bk	182	203	36	1200	dr.
011455	1X95/16	RMv	bk	182	276	37	1300	dr.
011456	1X120/16	RMv	bk	182	348	39	1450	dr.
011457	1X150/25	RMv	bk	283	435	40	1650	dr.
011458	1X185/25	RMv	bk	283	537	42	1800	dr.
011459	1X240/25	RMv	bk	283	696	44	2050	dr.
011460	1X300/25	RMv	bk	283	870	47	2300	dr.
011461	1X400/35	RMv	bk	394	1160	50	2750	dr.
011462	1X500/35	RMv	bk	394	1450	53	3150	dr.
013116	1X630/35	RMv	bk	394	1827	62	3770	dr.
013091	1X800/35	RMv	bk	394	2320		4310	dr.

NA2XS(F)2Y 6/10 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.

standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
nominal voltage U₀	6 kV
nominal voltage U	10 kV
maximum permitted operating voltage in 3-phase systems	12 kV
test voltage	21 kV



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
011463	1X50/16	RMv	bk	182	145	25	850 dr.
011464	1X70/16	RMv	bk	182	203	27	950 dr.
011465	1X95/16	RMv	bk	182	276	28	1100 dr.
011466	1X120/16	RMv	bk	182	348	30	1200 dr.
011467	1X150/25	RMv	bk	283	435	31	1400 dr.
011468	1X185/25	RMv	bk	283	537	33	1550 dr.
011469	1X240/25	RMv	bk	283	696	35	1750 dr.
011470	1X300/25	RMv	bk	283	870	37	2050 dr.
011471	1X400/35	RMv	bk	394	1160	40	2450 dr.
011472	1X500/35	RMv	bk	394	1450	44	2850 dr.
012053	1X630/35	RMv	bk	394	1827	49	2969 dr.
013230	1X800/35		bk	394	2320	52	3400 dr.
013032	1X1000/35	RMv	bk	394	2900	63	4780 dr.

NA2XS(F)2Y 12/20 kV



standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
nominal voltage U₀	12 kV
nominal voltage U	20 kV
maximum permitted operating voltage in 3-phase systems	24 kV
test voltage	42 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.



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
011473	1X50/16	RMv	bk	182	145	29	1050 dr.
011474	1X70/16	RMv	bk	182	203	31	950 dr.
011320	1X95/16	RMv	bk	182	276	32	1300 dr.
011319	1X120/16	RMv	bk	182	348	34	1450 dr.
012785	1X150/16	RMv	bk	182	435	36	1254 dr.
011306	1X150/25	RMv	bk	283	435	36	1650 dr.
011307	1X185/25	RMv	bk	283	537	37	1800 dr.
011308	1X240/25	RMv	bk	283	696	40	2050 dr.
011475	1X300/25	RMv	bk	283	870	42	2300 dr.
011476	1X400/35	RMv	bk	394	1160	45	2800 dr.
011477	1X500/35	RMv	bk	394	1450	48	3200 dr.
011838	1X630/35	RMv	bk	394	1827	52	3268 dr.
012258	1X800/35	RMv	bk	394	2320	60	3973 dr.
013121	1X1000/35	RMv	bk	394	2900	62,6	4610 dr.

NA2XS(F)2Y 18/30 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.

standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
nominal voltage U₀	18 kV
nominal voltage U	30 kV
maximum permitted operating voltage in 3-phase systems	36 kV
test voltage	63 kV



p/n	type		colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
011534	1X50/16	RMv	bk	182	145	34	1350	dr.
011478	1X70/16	RMv	bk	182	203	36	1450	dr.
011535	1X95/16	RMv	bk	182	276	37	1600	dr.
011536	1X120/16	RMv	bk	182	348	39	1750	dr.
011537	1X150/25	RMv	bk	283	435	40	1950	dr.
011538	1X185/25	RMv	bk	283	537	42	2150	dr.
011539	1X240/25	RMv	bk	283	696	44	2400	dr.
011540	1X300/25	RMv	bk	283	870	47	2700	dr.
011541	1X400/35	RMv	bk	394	1160	50	3200	dr.
013198	1X400/70	RMv	bk	791	1160		3650	dr.
011542	1X500/35	RMv	bk	394	1450	53	3650	dr.
012223	1X630/35	RMv	bk	394	1827	60	3738	dr.
013067	1X800/35	RMv	bk	394	2320	65	4367	dr.

NA2XS(FL)2Y 6/10 kV



standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
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 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.



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
012924	01X120/50	RMv	bk	560	348	31	1300 dr.
012961	01X120/70	RMv	bk	791	348	32	1600 dr.
012462	01X150/25	RMv	bk	283	435	32	1156 dr.
012461	01X240/25	RMv	bk	283	696	36	1850 dr.
012988	01X240/70	RMv	bk	791	696	40	2550 dr.
013155	01X300/25	RMv	bk	283	870		2466 dr.
012463	01X400/35	RMv	bk	394	1160	42	2466 dr.
012962	01X500/70	RMv	bk	791	1450	46	3250 dr.

NA2XS(FL)2Y 12/20 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.

standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
nominal voltage U₀	12 kV
nominal voltage U	20 kV
maximum permitted operating voltage in 3-phase systems	24 kV
test voltage	42 kV



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
012533	01X70/16	RMv	bk	182	203	32	1000 dr.
012568	01X70/25	RMv	bk	283	203	32	1395 dr.
011551	01X95/16	RMv	bk	182	276	33	1150 dr.
012989	01X95/25	RMv	bk	283	276	35	1400 dr.
011783	01X120/16	RMv	bk	182	348	35	1250 dr.
012784	01X150/16	RMv	bk	182	435	36	1254 dr.
012512	01X150/25	RMv	bk	283	435	36	1650 dr.
012990	01X150/70	RMv	bk	435	791	41	2150 dr.
012987	01X185/25	RMv	bk	283	537	38	2000 dr.
011848	01X240/25	RMv	bk	283	696	41	1850 dr.
012991	01X240/35	RMv	bk	394	696	43	2150 dr.
012992	01X240/70	RMv	bk	791	394	44	2550 dr.
012927	01X300/25	RMv	bk	283	870	44	2550 dr.
011852	01X400/35	RMv	bk	394	1160	45	2466 dr.
012762	01X500/35	RMv	bk	394	1450	50	2823 dr.



NA2XS(FL)2Y 18/30 kV



standard	VDE 0276-620
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	polyethylene DMP2
bonded sheath	yes
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 D _A
nominal voltage U₀	18 kV
nominal voltage U	30 kV
maximum permitted operating voltage in 3-phase systems	36 kV
test voltage	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.



p/n	type	colour	CU kg/km	AL kg/km	D _A mm	weight ca. kg/km	packaging
013171	01X70/16	RMv	bk	182	203	41	1300 dr.
012509	01X95/16	RMv	bk	182	276	38	1150 dr.
012657	01X120/16	RMv	bk	182	348	40	1750 dr.
013172	01X150/25	RMv	bk	283	435	45	1800 dr.
013173	01X185/25	RMv	bk	283	537	47	1950 dr.
012510	01X240/25	RMv	bk	283	696	45	1850 dr.
012658	01X300/25	RMv	bk	283	870	48	2700 dr.
012511	01X400/35	RMv	bk	394	1160	51	2466 dr.
013174	01X500/35	RMv	bk	394	1450	58	3300 dr.

N2XSEY 6/10 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.

standard	VDE 0276-620
conductor material	bare copper
conductor construction	stranded, class 2
insulation	XLPE DIX8
sheathing material	PVC DMV6
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 D _A
nominal voltage U₀	6 kV
nominal voltage U	10 kV
maximum permitted operating voltage in 3-phase systems	12 kV
test voltage	21 kV



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011310	3X35/16	RM	rd	1209	49	3300	dr.
011311	3X50/16	RM	rd	1671	52	3900	dr.
011312	3X70/16	RM	rd	2247	55	4700	dr.
011313	3X95/16	RM	rd	2994	60	5850	dr.
011314	3X120/16	RM	rd	3714	64	6800	dr.
011315	3X150/25	RM	rd	4638	67	7950	dr.
011316	3X185/25	RM	rd	5646	71	9300	dr.
011497	3X240/25	RM	rd	7272	77	11550	dr.



NFA2X



standard	VDE 0274 (Z)
conductor material	aluminium
conductor construction	stranded, class 2
insulation	XLPE
max. operating temperature, fixed	-20 - 80 °C
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
maximum permitted operating voltage in 3-phase systems	1,2 kV

Application:

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

p/n	type	colour	AL kg/km	D _A mm	weight ca. kg/km	packaging
090072	01X16	bk	46,4	8	74	dr.
090026	01X25	bk	72	10	105	dr.
090091	01X35	bk	102	11	133	dr.
090092	01X50	bk	145	12,5	180	dr.
090025	01X70	bk	203	14	258	dr.
090075	04X16	bk	186	18,8	285	dr.
011699	04X25	bk	290	22	427	dr., c. 100
090023	04X35	bk	406	25	620	dr.
090029	04X50	bk	580	28	785	dr.
090024	04X70	bk	812	32	1032	dr.
090030	04X95	bk	1102	37	1332	dr.
090078	04X70+25	bk	885	36	1105	dr.
090105	04X70+35	bk	914	36,2	1150	dr.
090098	04X70+2X25	bk	956		1232	dr.
090080	04X70+2X35	bk	1016	40,1	1254	dr.
090108	04X95+35	bk	1204	41,8	1468	dr.





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Technical Appendix

NYM-J



standard	VDE 0250-204
conductor material	bare copper
insulation	PVC TI1
sheathing material	PVC TM1
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	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)

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.



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
020003	01X2,5	RE	gy	24	5,8	70 dr., c. 100, c. 50
020004	01X4	RE	gy	38	6,4	80 dr., c. 100, c. 50
020005	01X6	RE	gy	58	6,8	105 dr., c. 100, c. 50
020001	01X10	RE	gy	96	8	155 dr., c. 100, c. 50
020002	01X16	RM	gy	154	9,1	230 dr., c. 100, c. 50
020150	01X25	RM	gy	240	12,3	330 dr., c. 50
020006	03X1,5	RE	gy	43	8,2	135 c. 100, c. 50
020007	03X1,5/TR	RE	gy	43	8,2	135 dr.
020009	03X2,5	RE	gy	72	9,4	190 c. 100, c. 50, c. 250
020166	03X2,5/TR	RE	gy	72	9,4	190 dr.
020010	03X4	RE	gy	115	10,8	265 dr., c. 100, c. 50
020044	03X6	RE	gy	173	12,2	315 dr.
020050	03X10	RE	gy	288	14,7	465 dr.
020011	04X1,5	RE	gy	58	8,8	160 c. 100, c. 50
020012	04X1,5/TR	RE	gy	58	8,8	160 dr.
020015	04X2,5	RE	gy	96	10,2	230 c. 100, c. 50
020169	04X2,5/TR	RE	gy	96	10,2	230 dr.
020018	04X4	RE	gy	154	12,1	330 dr., c. 100, c. 50
020019	04X6	RE	gy	230	13,3	460 dr., c. 100, c. 50
020013	04X10	RE	gy	384	16,1	690 dr., c. 100, c. 50
020014	04X16	RM	gy	614	19	1090 dr., c. 50
020016	04X25	RM	gy	960	23,4	1640 dr., c. 50
020017	04X35	RM	gy	1344	25,7	2090 dr., c. 50
020020	05X1,5	RE	gy	72	9,5	190 c. 100, c. 50
020021	05X1,5/TR	RE	gy	72	9,5	190 dr.
020024	05X2,5	RE	gy	120	11	270 c. 100, c. 50
020170	05X2,5/TR	RE	gy	120	11	270 dr.
020026	05X4	RE	gy	192	13,2	410 dr., c. 100, c. 50
020027	05X6	RE	gy	288	14,5	540 dr., c. 100, c. 50
020022	05X10	RE	gy	480	17,7	850 dr., c. 100, c. 50
020023	05X16	RM	gy	768	21,2	1350 dr., c. 50
020025	05X25	RM	gy	1200	25,7	1990 dr.
020295	05X35	RM	gy	1680	33,5	2160 dr.
020028	07X1,5	RE	gy	101	10,5	235 dr., c. 100, c. 50
020029	07X2,5	RE	gy	168	12,6	350 dr., c. 100, c. 50
020300	08X1,5	RE	gy	115	12,5	237 dr.
020030	10X1,5	RE	gy	144	14,3	330 dr., c. 100, c. 50
020045	12X1,5	RE	gy	173	14,4	400 dr., c. 100, c. 50
020294	12X2,5	RE	gy	288	15,4	660 dr.
020307	16X1,5	RE	gy	230	15,8	457 dr.
020301	61X1,5	RE	gy	878	25,7	1436 dr.

NYM-O

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.

standard	VDE 0250-204
conductor material	bare copper
insulation	PVC TI1
sheathing material	PVC TM1
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	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	no
core identification	colours acc. VDE 0293 (HD308)



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
020031	01X1,5	RE	gy	14,4	5,2	45	dr., c. 100, c. 50
020043	01X2,5	RE	gy	24	5,8	70	dr., c. 100, c. 50
020178	01X4	RE	gy	38	6,4	80	dr., c. 100, c. 50
020177	01X6	RE	gy	58	6,8	105	dr., c. 100, c. 50
020032	01X10	RE	gy	96	8	155	dr., c. 100, c. 50
020033	01X16	RM	gy	154	9,1	230	dr., c. 100, c. 50
020034	02X1,5	RE	gy	29	7,8	115	c. 100, c. 50
020167	02X1,5/TR	RE	gy	29	7,8	115	dr.
020035	02X2,5	RE	gy	48	8,9	157	c. 100, c. 50
020168	02X2,5/TR	RE	gy	48	8,9	157	dr.
020036	03X1,5	RE	gy	43	8,2	135	c. 100, c. 50
020174	03X1,5/TR	RE	gy	43	8,2	135	dr.
020037	04X1,5	RE	gy	58	8,8	160	c. 100, c. 50
020175	04X1,5/TR	RE	gy	58	8,8	160	dr.
020046	04X6	RE	gy	230	13,3	460	dr., c. 50
020038	04X10	RE	gy	384	16,1	690	dr., c. 50
020039	04X16	RM	gy	614	19	1090	dr., c. 100, c. 50
020040	04X25	RM	gy	960	23,4	1640	dr., c. 50
020041	04X35	RM	gy	1344	25,7	2090	dr.
020042	07X1,5	RE	gy	101	10,5	235	dr., c. 100, c. 50
020326	12X1,5	RE	gy	173	14,4	400	c. 100, c. 50, dr.

Power cables
1 up to 30 kV

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Technical Appendix

(N)YM(st)-J



conductor material	bare copper
insulation	PVC T11
sheathing material	PVC TM1
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	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
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 magnetic 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
020308	03X1,5 RE	gy	51	9	154	dr., c. 100, c. 50
020312	03X2,5 RE	gy	80	11	203	dr., c. 100, c. 50
020315	03X4 RE	gy	123	11,5	290	dr., c. 50
020317	03X6 RE	gy	180	15	379	dr., c. 50
020309	04X1,5 RE	gy	65	11	184	dr., c. 100, c. 50
020313	04X2,5 RE	gy	104	11,5	256	dr.
020310	05X1,5 RE	gy	80	11,5	208	dr., c. 100, c. 50
020314	05X2,5 RE	gy	128	12	284	dr., c. 100, c. 50
020316	05X4 RE	gy	200	13,5	444	dr., c. 100, c. 50
020318	05X6 RE	gy	296	15,5	567	dr., c. 50
020319	05X10 RE	gy	488	18	863	dr.
020320	05X16 RM	gy	776	26	1347	dr.
020311	07X1,5 RE	gy	108	11,9	248	dr., c. 50

NHXMH-J

Application:

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

standard	VDE 0250 T. 214
conductor material	bare copper
insulation	XLPE 2X11
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
maximum temperature at conductor	70 °C
max. operating temperature, fixed	70 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
020278	01X1,5	RE	gy	15	5,2	75 dr.
020279	01X2,5	RE	gy	24	5,6	85 dr.
020232	01X4	RE	gy	39	7	135 dr.
020280	01X6	RE	gy	58	7,4	150 dr.
020281	01X10	RE	gy	96	7,8	200 dr.
020233	01X16	RM	gy	154	9,6	295 dr.
020282	01X25	RM	gy	240	12	350 dr.
020185	03X1,5	RE	gy	43	8,6	dr., c. 100, c. 50
020188	03X2,5	RE	gy	72	9,5	dr., c. 100
020206	03X4	RE	gy	115	10,7	235 dr.
020207	03X6	RE	gy	173	12,3	320 dr.
020208	03X10	RE	gy	288	14,8	480 dr.
020192	04X1,5	RE	gy	58	9,2	150 dr.
020209	04X2,5	RE	gy	96	10,2	200 dr.
020187	04X4	RE	gy	154	12,2	300 dr.
020189	04X6	RE	gy	230	13,2	395 dr.
020210	04X10	RE	gy	384	15,8	595 dr.
020190	04X16	RM	gy	614	20	935 dr.
020191	04X25	RM	gy	960	24,5	1420 dr.
020211	04X35	RM	gy	1344	27,5	1910 dr.
020214	05X1,5	RE	gy	72	9,8	dr., c. 100
020195	05X2,5	RE	gy	120	10,7	235 dr., c. 100, c. 50
020179	05X4	RE	gy	192	13,2	350 dr.
020196	05X6	RE	gy	288	14,8	480 dr.
020212	05X10	RE	gy	480	17,4	710 dr.
020194	05X16	RM	gy	768	22	1140 dr.
020277	05X25	RM	gy	1200	28	1900 dr.
020197	07X1,5	RE	gy	101	10,2	210 dr.
020213	07X2,5	RE	gy	168	12,2	300 dr.
020229	10X1,5	RE	gy	144	14,5	280 dr.
020230	12X1,5	RE	gy	173	16,5	320 dr.
020231	24X1,5	RE	gy	346	20	570 dr.
020296	24X2,5	RE	gy	576	23	787 dr.

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Technical Appendix

NHXMH-O



standard	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
maximum temperature at conductor	70 °C
max. operating temperature, fixed	70 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	no
core identification	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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
020198	01X1,5 RE	gy	15	5,2	92	dr.
020199	01X2,5 RE	gy	24	5,6	110	dr.
020200	01X4 RE	gy	39	7,1	135	dr.
020201	01X6 RE	gy	58	7,4	160	dr.
020202	01X10 RE	gy	96	7,8	215	dr.
020203	01X16 RM	gy	154	8,8	295	dr.
020204	02X1,5 RE	gy	29	8,2	110	dr.
020205	02X2,5 RE	gy	48	9	130	dr.
020327	02X4 RE	gy	77	9,8	173	dr.
020328	02X6 RE	gy	115	10,8	226	dr.
020329	02X10 RE	gy	192	13,3	356	dr.
020234	04X10 RE	gy	384	15,7	615	dr.
020235	04X16 RM	gy	614	19,5	935	dr.
020236	04X25 RM	gy	960	23,8	1420	dr.

(N)HXMH(St)-J

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.

conductor material	bare copper
insulation	XLPE 2X11
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
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)

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
020283	03X1,5/1,5	gy	48	9,5	168	dr.
020284	03X2,5/1,5	gy	77	9,8	209	dr.
020285	04X1,5/1,5	gy	63	9,6	192	dr.
020286	05X1,5/1,5	gy	77	10,3	220	dr.
020287	05X2,5/1,5	gy	125	11,3	282	dr.
020297	05X4/1,5	gy	206	15,1	393	dr.
020306	07X1,5/1,5	gy	107	12,1	310	dr.



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

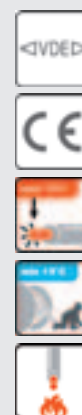
Technical Appendix

NYIF-J

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.

standard	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
maximum temperature at conductor	70 °C
max. operating temperature, fixed	70 °C
temperature, moved/ during installation	5 - 60 °C
nominal voltage U₀	230 V
nominal voltage U	400 V
test voltage	2 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	w x h ca. mm	weight ca. kg/km	packaging
020289	03X1,5	NT	43	19 x 4,4	115	c. 50
020292	04X1,5	NT	58	26 x 4,4	160	c. 50
020288	05X1,5	NT	72	33 x 4,4	205	c. 50
020291	03X2,5	NT	72	21,5 x 5,2	160	c. 100, c. 50
020290	05X2,5	NT	120	37 x 5,2	260	c. 50



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Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
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circuit integrity

LAN cables

Conductor ropes

Technical Appendix

H05V-K



standard	VDE 0281-3
conductor material	bare copper
insulation	PVC TI2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	70 °C
max. operating temperature, fixed	70 °C
conductor construction	fine stranded, class 5
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040221	01X0,5	bk	4,8	2,2	10	c. 100, barrel
040257	01X0,5	bu	4,8	2,2	10	c. 100
040219	01X0,5	lbu	4,8	2,2	10	c. 100, barrel
040220	01X0,5	dbu	4,8	2,2	10	c. 100, barrel
040253	01X0,5	wh	4,8	2,2	10	c. 100, barrel
040240	01X0,5	vt	4,8	2,2	10	c. 100, barrel
040217	01X0,5	ge/ye	4,8	2,2	10	c. 100, barrel
040216	01X0,5	rd	4,8	2,2	10	c. 100, barrel
040218	01X0,5	bn	4,8	2,2	10	c. 100, barrel
040241	01X0,5	gy	4,8	2,2	10	c. 100, barrel
040254	01X0,5	og	4,8	2,2	10	c. 100, barrel
040006	01X0,75	bk	7,2	2,3	12	dr., c. 100, barrel
040001	01X0,75	bu	7,2	2,3	12	c. 100
040222	01X0,75	lbu	7,2	2,3	12	c. 100, barrel
040223	01X0,75	dbu	7,2	2,3	12	dr., c. 100, barrel
040003	01X0,75	ge/ye	7,2	2,3	12	c. 100, c. 50, barrel
040007	01X0,75	wh	7,2	2,3	12	c. 100, barrel
040004	01X0,75	gy	7,2	2,3	12	dr., c. 100, barrel
040005	01X0,75	rd	7,2	2,3	12	dr., c. 100, barrel
040002	01X0,75	bn	7,2	2,3	12	dr., c. 100, barrel
040191	01X0,75	vt	7,2	2,3	12	c. 100, barrel
040190	01X0,75	og	7,2	2,3	12	c. 100, barrel
040013	01X1	bk	9,6	2,4	14	c. 100, barrel
040010	01X1	ge/ye	9,6	2,4	14	dr., c. 100, barrel
040008	01X1	bu	9,6	2,4	14	c. 100, barrel
040224	01X1	lbu	9,6	2,4	14	c. 100, barrel
040225	01X1	dbu	9,6	2,4	14	c. 100, barrel
040014	01X1	wh	9,6	2,4	14	c. 100, barrel
040011	01X1	gy	9,6	2,4	14	c. 100, barrel
040012	01X1	rd	9,6	2,4	14	c. 100, c. 50, barrel
040009	01X1	bn	9,6	2,4	14	c. 100, barrel
040188	01X1	vt	9,6	2,4	14	c. 100, barrel
040193	01X1	og	9,6	2,4	14	c. 100, barrel

H05V-U

Application:

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

standard	VDE 0281-3
conductor material	bare copper
insulation	PVC TI2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	70 °C
max. operating temperature, fixed	70 °C
conductor construction	solid, class 1
nominal voltage U₀	300 V
nominal voltage U	500 V



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040020	01X0,75	bk	7,2	2,1	10	c. 100
040015	01X0,75	bu	7,2	2,1	10	c. 100
040748	01X0,75	lbu	7,2	2,1	10	c. 100
040749	01X0,75	dbu	7,2	2,1	10	c. 100
040021	01X0,75	wh	7,2	2,1	10	c. 100
040017	01X0,75	ge/ye	7,2	2,1	10	c. 100
040016	01X0,75	bn	7,2	2,1	10	c. 100
040018	01X0,75	gy	7,2	2,1	10	c. 100
040019	01X0,75	rd	7,2	2,1	10	c. 100
040027	01X1	bk	9,6	2,3	14	c. 100
040024	01X1	ge/ye	9,6	2,3	14	c. 100
040022	01X1	bu	9,6	2,3	14	c. 100
040750	01X1	lbu	9,6	2,3	14	c. 100
040751	01X1	dbu	9,6	2,3	14	c. 100
040025	01X1	gy	9,6	2,3	14	c. 100
040026	01X1	rd	9,6	2,3	14	c. 100
040028	01X1	wh	9,6	2,3	14	c. 100
040023	01X1	bn	9,6	2,3	14	c. 100
040258	01X1	vt	9,6	2,3	14	c. 100

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

H07V-K



standard	VDE 0281-3
conductor material	bare copper
insulation	PVC TI2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	70 °C
temperature, moved/ during installation	5 - 70 °C
conductor construction	fine stranded, class 5
nominal voltage U₀	450 V
nominal voltage U	750 V
test voltage	2500 V

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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040035	01X1,5	bk	14,4	2,8	20	c. 100, c. 50, barrel, dr.
040031	01X1,5	ge/ye	14,4	2,8	20	c. 100, barrel
040226	01X1,5	lbu	14,4	2,8	20	c. 100, barrel
040030	01X1,5	bn	14,4	2,8	20	c. 100, barrel
040033	01X1,5	gy	14,4	2,8	20	c. 100, barrel
040036	01X1,5	vt	14,4	2,8	20	c. 100, barrel
040034	01X1,5	rd	14,4	2,8	20	c. 100, barrel
040037	01X1,5	wh	14,4	2,8	20	c. 100, barrel
040195	01X1,5	og	14,4	2,8	20	c. 100, barrel
040212	01X1,5	dbu	14,4	2,8	20	c. 100, barrel
040058	01X2,5	bk	24	3,4	32	dr., c. 100, barrel
040054	01X2,5	ge/ye	24	3,4	32	c. 100, barrel
040227	01X2,5	lbu	24	3,4	32	c. 100, barrel
040052	01X2,5	bn	24	3,4	32	c. 100, barrel
040056	01X2,5	gy	24	3,4	32	c. 100, barrel
040196	01X2,5	vt	24	3,4	32	c. 100, barrel
040057	01X2,5	rd	24	3,4	32	c. 100, barrel
040059	01X2,5	wh	24	3,4	32	c. 100, barrel
040213	01X2,5	dbu	24	3,4	32	c. 100, barrel
040067	01X4	bk	38	3,9	46	c. 100, barrel
040066	01X4	ge/ye	38	3,9	46	c. 100, barrel
040228	01X4	lbu	38	3,9	46	c. 100, barrel
040065	01X4	bn	38	3,9	46	c. 100, barrel
040197	01X4	rd	38	3,9	46	c. 100, barrel
040251	01X4	gy	38	3,9	46	c. 100, barrel
040229	01X4	dbu	38	3,9	46	c. 100, barrel
040704	01X4	vt	38,4	4,8	46	c. 100, dr.
040074	01X6	bk	58	4,5	65	c. 100, barrel
040073	01X6	ge/ye	58	4,5	65	c. 100, c. 50, barrel
040230	01X6	lbu	58	4,5	65	c. 100, barrel
040071	01X6	bn	58	4,5	65	c. 100, barrel
040198	01X6	rd	58	4,5	65	c. 100, barrel
040252	01X6	gy	58	4,5	65	c. 100, barrel
040231	01X6	dbu	58	4,5	65	c. 100, barrel
040705	01X6	vt	58	5,3	65	c. 100, dr.
040042	01X10	bk	96	5,8	115	c. 100
040040	01X10	ge/ye	96	5,8	115	c. 100, dr.
040232	01X10	lbu	96	5,8	115	c. 100
040039	01X10	bn	96	5,8	115	c. 100
040041	01X10	rd	96	5,8	115	c. 100
040233	01X10	dbu	96	5,8	115	c. 100
040049	01X16	bk	154	7	170	dr., c. 100, c. 50
040047	01X16	ge/ye	154	7	170	dr., c. 100
040234	01X16	lbu	154	7	170	c. 100
040235	01X16	dbu	154	7	170	c. 100



H07V-K

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040046	01X16	bn	154	7	170	c. 100, dr.
040048	01X16	rd	154	7	170	c. 100
040349	01X16	gy	154	7	170	dr., c. 100
040061	01X25	bk	240	8,5	260	dr., c. 100, c. 50
040060	01X25	ge/ye	240	8,5	260	dr., c. 50
040383	01X25	bn	240	8,5	260	dr., c. 100
040199	01X25	bu	240	8,5	260	dr.
040752	01X25	lbu	240	8,5	260	dr.
040753	01X25	dbu	240	8,5	260	dr.
040063	01X35	bk	336	9,8	360	dr., c. 100, c. 50
040062	01X35	ge/ye	336	9,8	360	dr., c. 50
040200	01X35	bu	336	9,8	360	dr., c. 50
040754	01X35	lbu	336	9,8	360	dr.
040755	01X35	dbu	336	9,8	360	dr.
040696	01X35	wh	336	9,8	360	dr., c. 100
040069	01X50	bk	480	11,6	515	dr., c. 50
040068	01X50	ge/ye	480	11,6	515	dr., c. 50
040075	01X70	bk	672	13,3	710	dr., c. 50
040176	01X70	ge/ye	672	13,3	710	dr., c. 50
040836	01X70	lbu	672	13,3	710	dr.
040837	01X70	dbu	672	13,3	710	dr.
040076	01X95	bk	912	15,3	940	dr., c. 50
040185	01X95	ge/ye	912	15,3	940	dr., c. 50
040043	01X120	bk	1152	16,9	1180	dr.
040186	01X120	ge/ye	1152	16,9	1180	dr.
040044	01X150	bk	1440	18,8	1600	dr.
040700	01X150	ge/ye	1440	18,8	1600	dr.
040050	01X185	bk	1776	21	2100	dr.
040351	01X185	ge/ye	1776	21	2100	dr.
040238	01X240	bk	2304	24	3015	dr.
040342	01X240	ge/ye	2304	24	3015	dr.



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

H07V-U



standard	VDE 0281-3
conductor material	bare copper
insulation	PVC TI2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	70 °C
temperature, moved/ during installation	5 - 70 °C
conductor construction	solid, class 1
nominal voltage U₀	450 V
nominal voltage U	750 V
test voltage	2500 V

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.



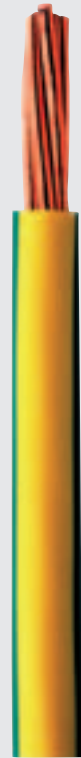
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040100	01X1,5	bk	14,4	2,7	20	c. 100, barrel
040096	01X1,5	ge/ye	14,4	2,7	20	c. 100
040236	01X1,5	lbu	14,4	2,7	20	c. 100
040095	01X1,5	bn	14,4	2,7	20	c. 100
040098	01X1,5	gy	14,4	2,7	20	c. 100
040101	01X1,5	vt	14,4	2,7	20	c. 100
040099	01X1,5	rd	14,4	2,7	20	c. 100
040102	01X1,5	wh	14,4	2,7	20	c. 100
040214	01X1,5	dbu	14,4	2,7	20	c. 100
040118	01X2,5	bk	24	3,3	31	dr., c. 100
040114	01X2,5	ge/ye	24	3,3	31	dr., c. 100
040237	01X2,5	lbu	24	3,3	31	c. 100
040112	01X2,5	bn	24	3,3	31	dr., c. 100
040116	01X2,5	gy	24	3,3	31	c. 100
040119	01X2,5	vt	24	3,3	31	c. 100
040117	01X2,5	rd	24	3,3	31	c. 100
040120	01X2,5	wh	24	3,3	31	c. 100
040215	01X2,5	dbu	24	3,3	31	c. 100
040111	01X2,5	bu	24	3,3	31	dr., c. 100
040124	01X4	bk	38	3,8	46	c. 100
040122	01X4	ge/ye	38	3,8	46	c. 100, c. 50
040761	01X4	lbu	38,4	3,8	46	c. 100
040762	01X4	dbu	38,4	3,8	46	c. 100
040121	01X4	bu	38	3,8	46	c. 100
040181	01X4	bn	38	3,8	46	c. 100
040123	01X4	gy	38	3,8	46	c. 100
040249	01X4	rd	38	3,8	46	c. 100
040128	01X6	bk	58	4,3	65	c. 100
040126	01X6	ge/ye	58	4,3	65	c. 100
040177	01X6	bu	58	4,3	65	c. 100
040763	01X6	lbu	58	4,3	65	c. 100, dr.
040764	01X6	dbu	58	4,3	65	c. 100
040125	01X6	bn	58	4,3	65	c. 100
040107	01X10	bk	96	5,5	110	c. 100
040105	01X10	ge/ye	96	5,5	110	c. 100
040103	01X10	bu	96	5,5	110	c. 100
040104	01X10	bn	96	5,5	110	c. 100
040765	01X10	lbu	96	5,5	110	c. 100
040766	01X10	dbu	96	5,5	110	c. 100

H07V-R

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.

standard	VDE 0281-3
conductor material	bare copper
insulation	PVC TI2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	70 °C
temperature, moved/ during installation	5 - 70 °C
conductor construction	stranded, class 2
nominal voltage U₀	450 V
nominal voltage U	750 V
test voltage	2500 V



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040082	01X16	bk	154	6,8	175	dr., c. 100
040081	01X16	ge/ye	154	6,8	175	dr., c. 100
040205	01X16	rd	154	6,8	175	dr., c. 100
040085	01X25	bk	240	8,5	275	dr., c. 100, c. 50
040084	01X25	ge/ye	240	8,5	275	dr., c. 100, c. 50
040756	01X25	lbu	240	8,5	275	dr.
040757	01X25	dbu	240	8,5	275	dr.
040211	01X25	rd	240	8,5	275	dr.
040087	01X35	bk	336	9,5	370	dr., c. 100, c. 50
040086	01X35	ge/ye	336	9,5	370	dr., c. 100, c. 50
040239	01X35	bu	336	9,5	370	dr.
040758	01X35	lbu	336	9,5	370	dr.
040759	01X35	dbu	336	9,5	370	dr.
040207	01X35	rd	336	9,5	370	dr.
040089	01X50	bk	480	11,2	500	dr.
040088	01X50	ge/ye	480	11,2	500	dr., c. 50
040208	01X50	rd	480	11,2	500	dr.
040091	01X70	bk	672	12,7	710	dr.
040090	01X70	ge/ye	672	12,7	710	dr.
040209	01X70	rd	672	12,7	710	dr.
040093	01X95	bk	912	14,8	970	dr.
040092	01X95	ge/ye	912	14,8	970	dr.
040210	01X95	rd	912	14,8	970	dr.
040078	01X120	bk	1152	16,3	1200	dr.
040077	01X120	ge/ye	1152	16,3	1200	dr.
040080	01X150	bk	1440	18,2	1470	dr.
040079	01X150	ge/ye	1440	18,2	1470	dr.
040594	01X300	ge/ye	2880	25,5	2929	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

H03VV-F



standard	VDE 0281-5
conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
sheathing material	PVC TM2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	60 °C
max. operating temperature, fixed	+50 °C
bending radius, fixed installation	3 x D _A
bending radius, moved application	5 x D _A
nominal voltage U₀	300 V
nominal voltage U	300 V
test voltage	2 kV
protective conductor	yes
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035241	02X0,5	bk	9,6	4,9	360	dr.
035527	03G0,5	wh	14,4	5,6	48	c. 100
035242	05G0,5	bk	24	6,1	662	dr.
030004	02X0,75	bk	14,4	5,3	46	c. 100, c. 50
030005	02X0,75	wh	14,4	5,3	46	dr., c. 100, c. 50
031047	02X0,75	bn	14,4	5,3	46	c. 100, c. 50
035048	02X0,75	gy	14,4		46	dr.
030006	03G0,75	bk	21,6	5,5	55	c. 100, c. 50
030007	03G0,75	wh	21,6	5,5	55	dr., c. 100, c. 50
031581	04G0,75	bk	29	6,1	69	dr., c. 100, c. 50
030009	04G0,75	wh	29	6,1	69	c. 100, c. 50

H05VV-F

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.

standard	VDE 0281-5
conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
sheathing material	PVC TM2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	60 °C
max. operating temperature, fixed	+50 °C
bending radius, fixed installation	3 x D _A
bending radius, moved application	5 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031050	02X0,75	wh	14,4	5,8	52	c. 100, c. 50
030724	02X1	bk	19	6,5	65	c. 100, c. 50, dr.
030012	02X1	wh	19	6,5	65	c. 100, c. 50
030013	02X1,5	bk	29	7,5	90	dr., c. 100, c. 50
030014	02X1,5	wh	29	7,5	90	dr., c. 100, c. 50
030039	02X2,5	bk	48	9	115	dr., c. 100, c. 50
030015	02X2,5	wh	48	9	115	c. 100, c. 50
030016	03G0,75	bk	21,6	6,5	70	c. 100, c. 50, c. 200
030017	03G0,75	wh	21,6	6,5	70	c. 100, c. 50, c. 200
031052	03G0,75	gy	21,6	6,5	70	c. 100, c. 50
030019	03G1	wh	29	7	80	dr., c. 100, c. 50, c. 300
030018	03G1	bk	29	7	80	dr., c. 100, c. 50, c. 300
030743	03G1	bn	29	7	80	dr., c. 100, c. 50
030021	03G1,5	wh	43	8,2	115	dr., c. 100, c. 50
030020	03G1,5	bk	43	8,2	115	dr., c. 100, c. 50
030041	03G1,5	bn	43	8,2	115	c. 100, c. 50
030605	03G1,5	og	43	8,2	115	c. 100, c. 50
031051	03G1,5	gy	43	8,2	115	c. 100, c. 50
030023	03G2,5	wh	72	9,8	175	dr., c. 100, c. 50
030022	03G2,5	bk	72	9,8	175	c. 100, c. 50
031053	04G0,75	bk	29	6,7	75	c. 100, c. 50
031054	04G0,75	wh	29	6,7	75	c. 100, c. 50
031055	04G1	bk	38	7,2	92	dr., c. 100, c. 50
034677	04G1	wh	38,4	7,2	92	dr.
030024	04G1,5	bk	58	9,2	145	dr., c. 100, c. 50
030025	04G1,5	wh	58	9,2	145	c. 100, c. 50
030027	04G2,5	wh	96	10,7	210	c. 100, c. 50
030026	04G2,5	bk	96	10,7	210	c. 100, c. 50
031058	05G0,75	bk	36	7,5	96	c. 100, c. 50
031057	05G0,75	wh	36	7,5	96	c. 100, c. 50
031061	05G1	bk	48	8	113	c. 100, c. 50
031060	05G1	wh	48	8	113	c. 100, c. 50
030029	05G1,5	wh	72	10,2	175	dr., c. 100, c. 50
030028	05G1,5	bk	72	10,2	175	dr., c. 100, c. 50
031059	05G1,5	bn	72	10,2	175	c. 100, c. 50
030031	05G2,5	wh	120	13	260	dr., c. 100, c. 50
030030	05G2,5	bk	120	13	260	c. 100, c. 50

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 D _A
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.

p/n	type	colour	CU kg/km	w x h ca. mm	weight ca. kg/km	packaging
033520	02X0,75	bn	14,4	3,1 x 6,3	26	dr., c. 100
033521	02X0,75	bk	14,4	3,1 x 6,3	26	c. 100
033522	02X0,75	wh	14,4	3,1 x 6,3	26	c. 100

H05RN-F

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.

standard	VDE 0282-4
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, fixed	-25 - 60 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
core identification	colours acc. VDE 0293 (HD308)



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050168	02X0,75	RF	bk	14,4	6,2	60	dr.
050167	02X1	RF	bk	19	6,8	70	dr., c. 100
050166	03G0,75	RF	bk	21,6	6,6	80	dr.
050169	03G1	RF	bk	29	7,2	90	dr.
051065	04X0,75	RF	bk	29	24,2	76	dr.
051066	04G0,75	RF	bk	29	24,2	76	dr.

H05RR-F

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.

standard	VDE 0282-4
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, fixed	-25 - 60 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
core identification	colours acc. VDE 0293 (HD308)



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050019	02X0,75		bk	14,4	6,2	60	dr., c. 100, c. 50
050020	02X1		bk	19	6,8	70	dr., c. 100, c. 50
050021	02X1,5		bk	29	8,2	100	dr., c. 100, c. 50
050022	02X2,5		bk	48	9,7	150	dr., c. 100, c. 50
050023	03G0,75		bk	21,6	6,6	80	dr., c. 100, c. 50
050024	03G1		bk	29	7,2	90	dr., c. 100, c. 50
050025	03G1,5		bk	43	8,8	130	dr., c. 100, c. 50
050026	03G2,5		bk	72	10,2	180	dr., c. 100, c. 50
050027	04G0,75		bk	29	7,2	90	dr., c. 100, c. 50
050100	04G1		bk	38	7,8	110	dr., c. 100, c. 50
050028	04G1,5		bk	58	9,8	170	dr., c. 100, c. 50

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
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Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

H05RR-F



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050029	04G2,5	bk	96	11,2	230	dr., c. 100, c. 50
050030	05G1,5	bk	72	10,7	190	dr., c. 100, c. 50
050031	05G2,5	bk	120	12,5	280	dr., c. 100, c. 50
050897	05G0,75	bk	36	9,9	113	dr.



Roller blind cable



conductor material	bare copper
conductor construction	fine stranded, class 5
flame retardant	VDE 0482-332-1-2/IEC 60332-1
for outdoor use	yes
maximum temperature at conductor	60 °C
max. operating temperature, fixed	-25 - +60 °C
temperature, moved/ during installation	-25 - +60 °C
bending radius, fixed installation	7,5 x D _A
bending radius, moved application	15 x D _A
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050938	S05ZZ-F 4G0,75 SW	bk	29	7,8	76	dr.
050920	A05RN-F 4G0,75 SW	bk	29	7,6	76	c. 100, dr.



H07RN-F

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.

standard	VDE 0282-4
conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	rubber (EPR) EI4
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	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



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050214	01X1,5	bk	14,4	5,9	50	dr.
050358	01X2,5	bk	24	6,6	80	dr.
050233	01X4	bk	38	7,4	100	dr., c. 100
050205	01X6	bk	58	8,1	130	dr.
050033	01X10	bk	96	9,7	220	dr.
050036	01X16	bk	154	11	280	dr.
050037	01X25	bk	240	12,9	400	dr.
050038	01X35	bk	336	14,6	520	dr.
050039	01X50	bk	480	16,8	720	dr.
050041	01X70	bk	672	18,9	940	dr.
050042	01X95	bk	912	21,1	1220	dr.
050034	01X120	bk	1152	23,1	1510	dr.
050035	01X150	bk	1440	25,6	1900	dr.
050111	01X185	bk	1776	27,9	2300	dr.
050113	01X240	bk	2304	31	2900	dr.
050195	01X300	bk	2880	34,1	3600	dr.
050408	01X400	bk	3840	38,5	4800	dr.
050983	01X630	bk	6048	48,5	6849	dr.
050045	03G1	bk	29	8,4	125	dr., c. 100, c. 50
050046	03G1,5	bk	43	9,4	155	dr., c. 100, c. 50
050048	03G2,5	bk	72	11,1	235	dr., c. 100, c. 50
050114	03G4	bk	115	12,9	310	dr.
050115	03G6	bk	173	14,3	400	dr.
050101	03G10	bk	288	19,3	810	dr.
050102	03G16	bk	461	22,1	1000	dr.
050240	03G25	bk	720	27	1250	dr.
050309	03G35	bk	1008	29,6	1850	dr.
050185	03G50	bk	1440	36	3790	dr.
050375	04G1	bk	38	9,5	129	dr.
050050	04G1,5	bk	58	10,4	190	dr., c. 100, c. 50
050054	04G2,5	bk	96	12,3	280	dr., c. 100, c. 50
050057	04G4	bk	154	14,2	380	dr., c. 100, c. 50
050059	04G6	bk	230	15,9	510	dr., c. 50
050051	04G10	bk	384	21,3	940	dr., c. 50
050053	04G16	bk	614	24,2	1250	dr., c. 50
050055	04G25	bk	960	29,3	1850	dr.
050056	04G35	bk	1344	33	2310	dr.
050058	04G50	bk	1920	38,2	3160	dr.
050060	04G70	bk	2688	43,2	4250	dr.

H07RN-F



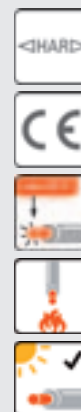
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050061	04G95	bk	3648	49	5590	dr.
050052	04G120	bk	4608	53,6	6790	dr.
050187	04G150	bk	5760	58,7	8230	dr.
050196	04G185	bk	7104	65	9700	dr.
050837	04G240	bk	9216	74	13120	dr.
050062	05G1,5	bk	72	11,5	230	dr., c. 100, c. 50
050065	05G2,5	bk	120	13,5	340	dr., c. 100, c. 50
050067	05G4	bk	192	15,9	470	dr., c. 100, c. 50
050068	05G6	bk	288	17,9	630	dr., c. 50
050063	05G10	bk	480	22,3	1150	dr.
050064	05G16	bk	768	26,9	1540	dr.
050066	05G25	bk	1200	32,5	2200	dr.
050160	05G35	bk	1680	38	2700	dr.
050217	05G50	bk	2400	44,5	3950	dr.
050319	05G70	bk	3360	47	4893	dr.
050352	05G95	bk	4560	58	6600	dr.
050858	05G120	bk	5760	61	8051	dr.
051080	05G150	bk	7200	73	10500	dr.
050216	07G1,5	bk	101	14,5	370	dr., c. 100, c. 50
050219	07G2,5	bk	168	17	520	dr.
050215	12G1,5	bk	175	18,3	450	dr.
050204	12G2,5	bk	288	19	750	dr.
050220	19G1,5	bk	274	23,5	800	dr.
050242	19G2,5	bk	456	26,6	1068	dr.
050243	24G1,5	bk	346	25,5	1000	dr.
050202	24G2,5	bk	576	31,5	1380	dr.
050750	25G1,5	bk	360	26	889	dr.
050170	02X1	bk	19	7,8	100	dr., c. 100
050043	02X1,5	bk	29	8,7	130	dr., c. 100, c. 50
050044	02X2,5	bk	48	10,4	195	dr., c. 100, c. 50
050228	02X4	bk	77	12	280	dr.
050229	02X6	bk	115	13,3	400	dr.
050880	03X1	bk	29	8,4	90	dr.
050881	03X1,5	bk	43	9,4	155	dr.
050882	03X2,5	bk	72	11,1	235	dr.
050883	03X6	bk	173	14,3	495	dr.
050884	03X10	bk	288	19,3	730	dr.
050885	03X16	bk	461	22,1	1020	dr.
050886	03X25	bk	720	27	1250	dr.
050887	03X35	bk	1008	29,6	1733	dr.
050888	04X10	bk	384	21,3	940	dr.
050889	04X16	bk	614,4	24,2	1250	dr.
050890	04X25	bk	960	29,3	1850	dr.

H07BN4-F

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.

standard	VDE 0282-12
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
maximum temperature at conductor	90 °C
max. operating temperature, fixed	-50 - +75 °C
nominal voltage U₀	450 V
nominal voltage U	750 V
nominal voltage (DC)	1238 V
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050835	01X120	bk	1152	26,5	1430	dr.
050818	01X240	bk	2304	35,1	2730	dr.
050763	01X300	bk	2880	38,5	3480	dr.
050819	05G25	bk	1200	37,1	2070	dr.

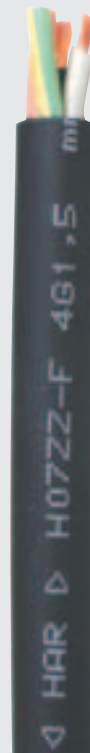
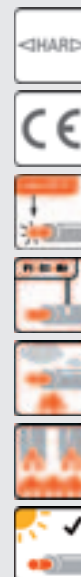


H07ZZ-F

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.

standard	VDE 0282-13
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
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



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050673	02X1	bk	19	9,2	95	dr.
050674	02X1,5	bk	29	10,2	119	dr.
050681	03G1	bk	29	10,1	115	dr.
050682	03G1,5	bk	43	11,9	144	dr., c. 100
050683	03G2,5	bk	72	14	211	dr., c. 100, c. 50
050698	04G1	bk	38	11,1	141	dr.
050699	04G1,5	bk	58	12,9	176	dr., c. 100



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

H07ZZ-F



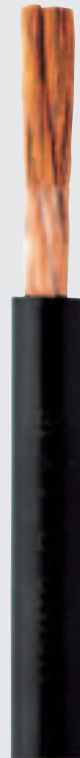
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050700	04G2,5	bk	96	15,3	235	dr., c. 100
050701	04G4	bk	154	17,7	365	dr.
050702	04G6	bk	230	19,8	501	dr.
050703	04G10	bk	384	26,5	872	dr.
050704	04G16	bk	614	30,1	1194	dr.
050705	04G25	bk	960	36,6	1822	dr.
050706	04G35	bk	1344	41,1	2307	dr.
050707	04G50	bk	1920	47,5	3253	dr.
050708	04G70	bk	2688	53,8	4130	dr.
050709	04G95	bk	3648	60,9	5720	dr.
050710	04G120	bk	4608	65,8	6965	dr.
050711	04G150	bk	5760	72,7	8644	dr.
050715	05G1	bk	48	12,2	170	dr.
050716	05G1,5	bk	72	14,2	214	dr., c. 100
050717	05G2,5	bk	120	16,9	316	dr., c. 100
050718	05G4	bk	192	19,8	448	dr.
050719	05G6	bk	288	22,1	607	dr.
050720	05G10	bk	480	29,1	1075	dr.
050721	05G16	bk	768	33,3	1480	dr.
050722	05G25	bk	1200	38,4	2255	dr.
051002	05G35	bk	1680		2700	dr.
050726	07G1,5	bk	101	19,1	303	dr.
050727	07G2,5	bk	168	21,5	448	dr.
050728	12G1,5	bk	173	22,4	496	dr.
050729	12G2,5	bk	288	26,2	724	dr.
050865	14G2,5	bk	336	25	860	dr.
050731	18G1,5	bk	259	26,3	702	dr.
050732	18G2,5	bk	432	29,3	1045	dr.
051114	27G1,5	bk	389		975	dr.
051115	27G2,5	bk	648		1375	dr.
050863	37G1,5	bk	533	36,2	1317	dr.
050864	52G1,5	bk	749	43,1	1766	dr.

Application:

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

H01N2-D cables with normal flexibility

standard	VDE 0282-6
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
nominal voltage U₀	100 V
nominal voltage U	100 V
test voltage	1 kV
protective conductor	no



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
060008	01X16	bk	154	9,2	220	dr., c. 50
060009	01X25	bk	240	10,5	300	dr., c. 100, c. 50
060010	01X35	bk	336	12,1	410	dr., c. 50
060011	01X50	bk	480	13,5	560	dr., c. 50
060012	01X70	bk	672	16,2	770	dr., c. 50
060013	01X95	bk	912	18,5	1050	dr.
060014	01X120	bk	1152	20,1	1290	dr.
060016	01X150	bk	1440	22,5	1590	dr.

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.

NSSHöu-J

standard	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
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
test voltage	3 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050128	03X1,5	ye	43	12,5	200	dr.
050129	03X2,5	ye	72	13,2	260	dr.
050130	03X4	ye	115	16,2	380	dr.
050140	03X70/35	ye	2352	44,6	4460	dr.
050141	03X95/50	ye	3216	53,1	5910	dr.
050212	03X120/70	ye	4128	54	7300	dr.

NSSHöu-J



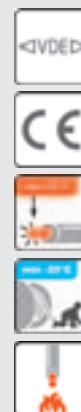
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050891	03X150/70	ye	4992	73,1	7119	dr.
050131	04X1,5	ye	58	12,6	230	dr.
050132	04X2,5	ye	96	15,9	350	dr.
050133	04X4	ye	154	17,5	450	dr.
050134	04X6	ye	230	18,8	560	dr.
050135	04X10	ye	384	23	860	dr.
050136	04X16	ye	614	27,3	1350	dr.
050137	04X25	ye	960	34,5	2010	dr.
050138	04X35	ye	1344	36,4	2590	dr.
050139	04X50	ye	1920	41,5	3660	dr.
050239	04X70	ye	2688	46,5	4605	dr.
050234	04X95	ye	3648	56,8	6400	dr.
050235	04X120	ye	4608	65,5	7705	dr.
050236	04X150	ye	5760	73,2	8200	dr.
050468	04X185	ye	7104	76,2	10604	dr.
050142	05X1,5	ye	72	15,1	255	dr.
050143	05X2,5	ye	120	17,2	385	dr.
050144	05X4	ye	192	19,4	560	dr.
050145	05X6	ye	288	21,4	670	dr.
050146	05X10	ye	480	23,5	1000	dr.
050147	05X16	ye	768	30,1	1570	dr.
050148	05X25	ye	1200	35,5	2340	dr.
050237	05X35	ye	1680	44,1	3400	dr.
051151	05X95	ye	4560	60,6	6730	dr.
050149	07X1,5	ye	101	16,9	410	dr.
050150	07X2,5	ye	168	19,5	500	dr.
050151	10X1,5	ye	144	20,5	545	dr.
050152	12X2,5	ye	288	21,6	770	dr., c. 100, c. 50
050153	18X2,5	ye	432	27,8	1160	dr.

NSSHöu-0

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.

standard	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
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
test voltage	3 kV
protective conductor	no
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050121	01X16	ye	154	11,4	260	dr.
050359	01X25	ye	240	13,1	400	dr.
050190	01X35	ye	336	14,5	500	dr., c. 100, c. 50
050122	01X50	ye	480	19	680	dr.
050123	01X70	ye	672	20	900	dr.
050124	01X95	ye	912	22,2	1150	dr.
050125	01X120	ye	1152	24	1440	dr.
050410	01X150	ye	1440	27,1	1750	dr.
050434	01X185	ye	1776	30,2	2180	dr.
050422	01X240	ye	2304	34,2	2790	dr.
050557	01X300	ye	2880	42,1	3460	dr.
050227	02X1,5	ye	29	11,8	190	dr.
050738	02X2,5	ye	48	12,8	210	dr.

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standard	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
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
test voltage	3 kV
core identification	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 largely flame-resistant and oil-proof.



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050825	03X2,5 + 03X2,5/3E + 03X1,5 St	ye	198	19,1	505	dr.
050826	03X6 + 03X6/3E + 03X1,5 St	ye	341	22,2	688	dr.
050827	03X10 + 03X10/3E + 03X2,5 St	ye	514	25,1	996	dr.
050828	03X16 + 03X16/3E + 03X2,5 St	ye	754	30	1290	dr.
050829	03X25 + 03X16/3E + 03X2,5 St	ye	1042	32,1	1858	dr.
050830	03X35 + 03X16/3E + 03X2,5 St	ye	1368	35,9	2407	dr.
050831	03X50 + 3X25/3E + 03X2,5 St	ye	1896	43,1	3363	dr.
050832	03X70 + 03X35/3E + 03X2,5 St	ye	2587	46,1	4205	dr.
050833	03X95 + 03X50/3E + 03X2,5 St	ye	3509	54,2	5428	dr.
050834	03X120 + 03X70/3E + 03X2,5 St	ye	4440	61,9	6821	dr.
051039	03X150 + 03X95/3E + 03X2,5 St	ye	5304	63,9	5304	dr.

NSHTöu

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.

standard	VDE 0250 T. 602
conductor material	tinned copper
conductor construction	fine stranded, class 5
insulation	rubber (EPR) 3GI3, halogen-free
sheathing material	rubber (CR) 5GM3
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
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
test voltage	3 kV
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050523	04X1,5	bk	58	14,4	275	dr.
050529	04X2,5	bk	96	17,2	415	dr.
050536	04X4	bk	154	18,8	530	dr.
050537	04X6	bk	230,4	20,2	684	dr.
050538	04X10	bk	384	24,4	1017	dr.
050539	04X16	bk	615	27,9	1370	dr.
050540	04X25	bk	960	34,9	1985	dr.
050541	04X35	bk	1344	37,5	2605	dr.
050542	04X50	bk	1920	44,2	3593	dr.
050543	04X70	bk	2688	48,6	4950	dr.
050544	04X95	bk	3648	55,4	6490	dr.
050545	04X120	bk	4608	62	8600	dr.
050766	04X150	bk	5760	67,6	9090	dr.
050767	04X185	bk	7104	73,2	9730	dr.
050524	05X1,5	bk	72	15,4	317	dr.
050530	05X2,5	bk	120	18,2	464	dr.
050548	05X4	bk	192	20,1	630	dr.
050546	05X6	bk	288	22,7	790	dr.
050547	05X10	bk	480	26,3	1200	dr.
050749	05X16	bk	768	30,1	1700	dr.
050313	07X1,5	bk	101	18,8	414	dr., c. 50
050556	07X2,5	bk	168	20,8	575	dr.
050525	12X1,5	bk	173	25,1	607	dr.
050531	12X2,5	bk	288	28,2	904	dr.
050526	18X1,5	bk	260	25,2	743	dr.
050532	18X2,5	bk	432	29,2	1230	dr.
050312	24X1,5	bk	346	29,4	1024	dr.
050534	24X2,5	bk	576	34,3	1583	dr.
050527	30X1,5	bk	432	32,9	1327	dr.
050535	30X2,5	bk	720	38,5	1841	dr.
050740	50X2,5	bk	1200	47,7	3050	dr.

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Submersible pump cable (-J)



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	rubber (EPR) 3GI3, halogen-free
sheathing material	rubber (EPR) GM1a
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	90 °C
max. operating temperature, fixed	-40 - +90 °C
temperature, moved/ during installation	-40 - +90 °C
nominal voltage U₀	450 V
nominal voltage U	750 V
maximum permitted operating voltage in 3-phase systems	825 V
test voltage	2,5 kV
version	round
protective conductor	yes
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 100 m. The cable is chlor resistant and 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.

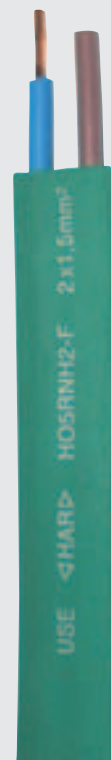
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050562	03X1,5	bu	43	10,7	141	dr., c. 100, c. 50
050501	03X2,5	bu	72	12,6	206	dr.
050499	04X1,5	bu	58	11,8	176	dr., c. 100, c. 50
050502	04X2,5	bu	96	14,1	258	dr., c. 100, c. 50
050503	04X4	bu	154	16,1	360	dr.
050549	04X6	bu	230	18,1	475	dr.
050550	04X10	bu	384	23,9	836	dr.
050504	04X16	bu	614	27,1	1145	dr.
050551	04X25	bu	960	32,9	1716	dr.
050753	04X35	bu	1344	37,1	2314	dr.
050653	04X50	bu	1920	42,8	3126	dr.
050754	04X70	bu	2688	48,6	4202	dr.
050993	04X95	bu	3648	54,9	5390	dr.
051093	04X120	bu	4608	65,4	6937	dr.
051171	07X2,5	bu	168	20,4	425	dr.

H05RNH2-F

Application:

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

standard	VDE 0282-8
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, fixed	-25 - 60 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
version	flat
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	w x h ca. mm	weight ca. kg/km	packaging
050411	02X1,5	gn	28,8	14 x 6	145	dr., c. 100, c. 50

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NGFLGOEU



standard	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
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 D _A
bending radius, moved application	10 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2000 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.

p/n	type	colour	CU kg/km	w x h ca. mm	weight ca. kg/km	packaging
050505	04X1,5	bk	58	17,5 x 6,2	200	dr.
050506	05X1,5	bk	72	21,5 x 6,2	240	dr.
050507	07X1,5	bk	101	29,1 x 6,2	360	dr.
050508	08X1,5	bk	115	31,5 x 6,2	370	dr.
050509	10X1,5	bk	144	39,9 x 6,5	460	dr.
050374	12X1,5	bk	173	47,1 x 6,5	620	dr.
050510	24X1,5	bk	346	55,1 x 12,5	1300	dr.
050555	04X2,5	bk	96	21,1 x 7,5	280	dr.
050568	05X2,5	bk	120	27,1 x 7,5	332	dr.
050372	07X2,5	bk	168	34,9 x 7,5	520	dr.
050511	08X2,5	bk	192	39,1 x 7,5	550	dr.
050569	10X2,5	bk	240	47,9 x 8,1	680	dr.
050512	12X2,5	bk	288	56,1 x 8,1	800	dr.
050570	24X2,5	bk	576	68,2 x 16,2	1480	dr.
050513	04X4	bk	154	26,1 x 9,1	410	dr.
050571	05X4	bk	192	32,1 x 9,1	560	dr.
050373	07X4	bk	269	41,9 x 9,1	700	dr.
050514	04X6	bk	230	29,1 x 9,5	600	dr.
050521	05X6	bk	288	35,1 x 9,5	650	dr.
050522	07X6	bk	403	42,1 x 9,5	850	dr.
050515	04X10	bk	384	33,1 x 11,1	800	dr.
050768	05X10	bk	480	44,1 x 11,1	1135	dr.
050516	04X16	bk	614	37,8 x 12,9	1150	dr.
050572	05X16	bk	768	49,8 x 12,9	1450	dr.
050517	04X25	bk	960	49,5 x 15,1	1700	dr.
050518	04X35	bk	1344	54,9 x 17,1	2200	dr.
050574	07X35	bk	2352	88,2 x 17,1	3820	dr.
050519	04X50	bk	1920	62,8 x 18,9	3000	dr.
050575	04X70	bk	2688	71,2 x 22,1	3910	dr.
050520	04X95	bk	3648	79,8 x 24,8	5300	dr.
050576	04X120	bk	4608	85,8 x 27,2	6400	dr.

NGFLCGOU

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.

standard	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 coverage	80 %
sheathing material	rubber (CR) 5GM3
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	-35- +80 °C
bending radius, fixed installation	5 x D _A
bending radius, moved application	10 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2000 V
core identification	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers



p/n	type	colour	CU kg/km	w x h ca. mm	weight ca. kg/km	packaging
050578	04X1,5	bk	99	18,5 x 6,5	230	dr.
050426	08X1,5	bk	228	36,1 x 7,5	640	dr.
050402	12X1,5	bk	342	54,5 x 8,5	770	dr.
050387	04X2,5	bk	163	22,5 x 7,5	340	dr.
050905	12X2,5	bk	500	69,5 x 9,5	1061	dr.
050489	04X4	bk	241	29,1 x 10,5	505	dr.
050469	04X6	bk	353	31,1 x 10,5	600	dr.
050839	04X10	bk	495	36,1 x 10,5	855	dr.
050840	04X16	bk	687	41,5 x 13,5	1160	dr.
050841	04X25	bk	1114	47,1 x 15,1	1640	dr.
050842	04X35	bk	1482	55,1 x 17,1	2540	dr.
050843	04X50	bk	2012	66,1 x 20,5	3030	dr.
050769	04X(2X1)	bk	273		640	dr.

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Trailing cables/British Standard

Trailing cables

Trailing cables according to VDE 0250 p. 605 are available in many different designs and under different brandings. Usually they are offered under the VDE type code as NTSCGEWÖU or N3GHSSYCY. Application fields are open and closed cast mining, tunnelling, harbours or, in general, power supply of medium voltage operated moving equipment. The application defines, which of the numerous constructional options are used in a certain design:

- conductor construction
- design of protective conductor
- different control conductors/cores
- design of torsion protection
- integration of optical elements
- color and material of outer sheath

This listing is not complete and may be amended according to customers requirements.

Beginning with 2010 Faber Kabel offers a basic selection of trailing cables NTSCGEWÖU. The cable is VDE-approved and covers range of basic applications for trailing cables.



Cables according to British Standard

Cables and cords play a major role on the global market. The most characteristic feature, compared with cables to German standards, is the steel wire armour, although there are BS-cables without it. Special care has to be taken to the core identification. Since the colour code according to HD 308 has been introduced in Europe, there are BS-cables with "old" core identification (i.e. red, white or yellow, blue, black, green-yellow) as well as cable with harmonized core identification.

Faber offers PVC and LSF sheathed low voltage cables according to BS 5467 and BS 6724, plus medium voltage cables according to BS 6622.



H05Z-K

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.

standard	VDE 0282-9
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
maximum temperature at conductor	90 °C
max. operating temperature, fixed	70 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2,5 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040287	01X0,5	bk	4,8	1,9	9	dr., c. 100
040288	01X0,5	ge/ye	4,8	1,9	9	dr., c. 100
040290	01X0,5	lbu	4,8	1,9	9	dr., c. 100
040289	01X0,5	bn	4,8	1,9	9	dr., c. 100
040321	01X0,5	dbu	4,8	1,9	9	dr., c. 100
040433	01X0,5	gy	4,8	1,9	9	dr., c. 100
040320	01X0,5	rd	4,8	1,9	9	dr., c. 100
040291	01X0,75	bk	7,2	2,2	13	dr., c. 100
040292	01X0,75	ge/ye	7,2	2,2	13	dr., c. 100
040294	01X0,75	lbu	7,2	2,2	13	dr., c. 100
040293	01X0,75	bn	7,2	2,2	13	dr., c. 100
040323	01X0,75	dbu	7,2	2,2	13	dr., c. 100
040322	01X0,75	rd	7,2	2,2	13	dr., c. 100
040698	01X0,75	og	7,2	2,2	12	c. 100
040295	01X1	bk	9,6	2,5	15	dr., c. 100
040296	01X1	ge/ye	9,6	2,5	15	dr., c. 100
040298	01X1	lbu	9,6	2,5	15	dr., c. 100
040297	01X1	bn	9,6	2,5	15	dr., c. 100
040434	01X1	gy	9,6	2,5	15	c. 100
040325	01X1	dbu	9,6	2,5	15	dr., c. 100
040324	01X1	rd	9,6	2,5	15	dr., c. 100

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H07Z-K



standard	VDE 0282-9
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
maximum temperature at conductor	90 °C
max. operating temperature, fixed	70 °C
nominal voltage U₀	450 V
nominal voltage U	750 V
test voltage	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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040264	01X1,5	bk	14,4	3,1	21	dr., c. 100
040265	01X1,5	ge/ye	14,4	3,1	21	dr., c. 100
040267	01X1,5	lbu	14,4	3,1	21	dr., c. 100
040266	01X1,5	bn	14,4	3,1	21	dr., c. 100
040327	01X1,5	dbu	14,4	3,1	21	dr., c. 100
040326	01X1,5	rd	14,4	3,1	21	dr., c. 100
040268	01X2,5	bk	24	3,8	34	dr., c. 100
040269	01X2,5	ge/ye	24	3,8	34	dr., c. 100
040271	01X2,5	lbu	24	3,8	34	dr., c. 100
040270	01X2,5	bn	24	3,8	34	dr., c. 100
040329	01X2,5	dbu	24	3,8	34	dr., c. 100
040328	01X2,5	rd	24	3,8	34	dr., c. 100
040272	01X4	bk	38	4,4	47	dr., c. 100
040274	01X4	ge/ye	38	4,4	47	dr., c. 100
040276	01X4	lbu	38	4,4	47	dr., c. 100
040275	01X4	bn	38	4,4	47	dr., c. 100
040331	01X4	dbu	38	4,4	47	dr., c. 100
040330	01X4	rd	38	4,4	47	dr., c. 100
040277	01X6	bk	58	5,4	72	dr., c. 100
040278	01X6	ge/ye	58	5,4	72	dr., c. 100
040280	01X6	lbu	58	5,4	72	dr., c. 100
040279	01X6	bn	58	5,4	72	dr., c. 100
040333	01X6	dbu	58	5,4	72	dr., c. 100
040332	01X6	rd	58	5,4	72	dr., c. 100
040281	01X10	bk	96	6,5	120	dr., c. 100
040282	01X10	ge/ye	96	6,5	120	dr., c. 100
040767	01X10	lbu	96	6,5	120	dr.
040335	01X10	dbu	96	6,5	120	dr., c. 100
040334	01X10	rd	96	6,5	120	dr., c. 100
040283	01X16	bk	154	7,3	170	dr., c. 100
040284	01X16	ge/ye	154	7,3	170	dr., c. 100
040768	01X16	lbu	154	7,3	170	dr.
040337	01X16	dbu	154	7,3	170	dr., c. 100
040336	01X16	rd	154	7,3	170	dr., c. 100
040285	01X25	bk	240	9,5	260	dr., c. 100
040286	01X25	ge/ye	240	9,5	260	dr., c. 100
040769	01X25	lbu	240	9,5	260	dr.
040339	01X25	dbu	240	9,5	260	dr.
040338	01X25	rd	240	9,5	260	dr.
040301	01X35	bk	336	10,9	360	dr.
040311	01X35	ge/ye	336	10,9	360	dr.
040302	01X50	bk	480	11,7	515	dr., c. 50
040312	01X50	ge/ye	480	11,7	515	dr., c. 50
040303	01X70	bk	672	13,5	710	dr., c. 50

H07Z-K

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040313	01X70	ge/ye	672	13,5	710	dr., c. 50
040304	01X95	bk	912	15,5	940	dr.
040314	01X95	ge/ye	912	15,5	940	dr.
040305	01X120	bk	1152	17	1180	dr.
040315	01X120	ge/ye	1152	17	1180	dr.
040306	01X150	bk	1440	19	1600	dr.
040316	01X150	ge/ye	1440	19	1600	dr.
040308	01X185	bk	1776	21	2100	dr.
040317	01X185	ge/ye	1776	21	2100	dr.
040309	01X240	bk	2304	24	3015	dr.
040318	01X240	ge/ye	2304	24	3015	dr.
040310	01X300	bk	2880		3398	dr.
040319	01X300	ge/ye	2880		3398	dr.



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1 up to 30 kV

Building Wires

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Conductor ropes

Technical Appendix

NSGAFÖU 1,8/3 kV

Application:

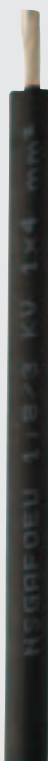
This wire is designed for application in busses and rail-born vehicles. If used in distribution or switching appliances the wire is considered to be short circuit proof. It is resistant against most oils and grease.

standard	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
maximum temperature at conductor	90 °C
max. operating temperature, fixed	-40 - +90 °C
temperature, moved/ during installation	-25 - +90 °C
colour of outer sheath	black
nominal voltage U₀	1,8 kV
nominal voltage U	3,6 kV
test voltage	6 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050194	01X1,5	bk	14,4	5,5	60	dr., c. 100, c. 50
050178	01X2,5	bk	24	5,9	70	dr., c. 100, c. 50
050159	01X4	bk	38	6,4	90	dr., c. 100, c. 50
050165	01X6	bk	58	7	120	dr., c. 100, c. 50
050172	01X10	bk	96	8,4	180	dr., c. 100, c. 50
050183	01X16	bk	154	9,2	250	dr., c. 100, c. 50
050184	01X25	bk	240	11,5	390	dr., c. 100, c. 50

NSGAFÖU 1,8/3 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050163	01X35	bk	336	12,8	470	dr., c. 100, c. 50
050164	01X50	bk	480	14,3	625	dr., c. 100, c. 50
050182	01X70	bk	672	16	880	dr., c. 100, c. 50
050208	01X95	bk	912	18,2	1190	dr., c. 100, c. 50
050244	01X120	bk	1152	19,9	1430	dr., c. 50
050241	01X150	bk	1440	21,8	1750	dr.
050245	01X185	bk	1776	23,8	2160	dr.
050246	01X240	bk	2304	26,7	2640	dr.
050247	01X300	bk	2880	38	3178	dr.
050471	01X400	bk	3840	40,5	4200	dr.
050472	01X500	bk	4800	42	5500	dr.

NSHXAFÖ



standard	VDE 0250 T. 606
conductor material	bare 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
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050476	01X1,5 3KV	bk	14,4	7	60	dr., c. 100
050477	01X2,5 3KV	bk	24	7,5	70	dr., c. 100, c. 50
050379	01X4 3KV	bk	38,4	9	85	dr., c. 100, c. 50
050380	01X6 3KV	bk	57,6	9,5	110	dr., c. 100, c. 50
050381	01X10 3KV	bk	96	11	160	dr., c. 100, c. 50
050382	01X16 3KV	bk	153,6	13	240	dr., c. 100, c. 50
050383	01X25 3KV	bk	240	15	365	dr., c. 100, c. 50
050376	01X35 3KV	bk	336	16,5	494	dr.

NSHXAFÖ

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050377	01X50 3KV	bk	480	18	656	dr.
050353	01X70 3KV	bk	672	20,5	880	dr.
050356	01X95 3KV	bk	912	24	1090	dr.
050355	01X120 3KV	bk	1152	25,1	1340	dr.
050384	01X150 3KV	bk	1440	28	1640	dr.
050385	01X185 3KV	bk	1776	31	2160	dr.
050386	01X240 3KV	bk	2304	34,5	2570	dr.
050654	01X300 3KV	bk	2890	38	3470	dr.
050893	01X400 3KV	bk	3840	40,1	4180	dr.
050892	01X500 3KV	bk	4800	42,1	5860	dr.



Power cables
1 up to 30 kV

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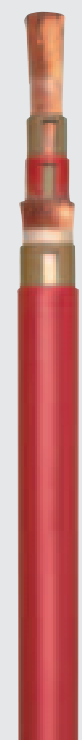
Technical Appendix

Application:

The cable is designed for use on railways, where narrow bending radii and vibrations may occur.

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
maximum temperature at conductor	90 °C
max. operating temperature, fixed	-40 - +80 °C
temperature, moved/ during installation	-25 - +80 °C
nominal voltage U₀	1,8 kV
nominal voltage U	3 kV
maximum permitted operating voltage in 3-phase systems	2160 kV
nominal voltage (DC)	2700 V
test voltage	6 kV

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011865	01X300/95	rd	3904	42	4850	dr.



FACAB SOLAR VE



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
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 D _A
bending radius, moved application	6 x D _A
nominal voltage U₀	0,6 kV
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040788	01X4 VZ	bk	38,4	4,7	54	dr.
040789	01X4 VZ	bu	38,4	4,7	54	dr.
040790	01X4 VZ	rd	38,4	4,7	54	dr.
040791	01X6 VZ	bk	58	5,3	73	dr.
040792	01X6 VZ	bu	58	5,3	73	dr.
040793	01X6 VZ	rd	58	5,3	73	dr.
040840	01X10 VZ	bk	96	6,7	118	dr.

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.

FACAB SOLAR PV1-F

standard	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
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 D _A
bending radius, moved application	6 x D _A
nominal voltage U₀	0,6 kV
nominal voltage U	1 kV
nominal voltage (DC)	0,9/1,8 kV
test voltage	6,5 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040784	01X2,5 VZ	bk	24	4,6	36	dr.
040834	01X2,5 VZ	bu	24	4,6	36	dr.
040835	01X2,5 VZ	rd	24	4,6	36	dr.
040725	01X4 VZ	bk	38,4	5	51	dr., c. 100
040807	01X4 VZ	bu	38,4	5	51	dr.
040808	01X4 VZ	rd	38,4	5	51	dr.
040726	01X6 VZ	bk	58	5,6	70	dr.
040809	01X6 VZ	bu	58	5,6	70	dr.
040810	01X6 VZ	rd	58	5,6	70	dr.
040785	01X10 VZ	bk	96	7,4	159	dr.
040786	01X16 VZ	bk	154	8,1	232	dr.
040844	01X25 VZ	bk	240	10,3	310	dr.
040845	01X35 VZ	bk	336	11,4	410	dr.
040856	01X6 VZ V2	bu	58	6,1	82	dr.
040857	01X6 VZ V2	rd	58	6,1	82	dr.
040864	01X16 VZV2	bk	154	9	178	dr.
040867	01X25 VZV2	bk	240	10,7	273	dr.
040870	01X35 VZV2	bk	336	11,8	364	dr.
040858	01X4 VZ V2	bu	38,4	5,6	61	dr.
040859	01X4 VZ V2	rd	38,4	5,6	61	dr.
040860	01X10 VZV2	bk	96	7,2	120	dr.
040770	01X4 VZ V2	bk	38,4	5,6	61	dr.
040771	01X6 VZ V2	bk	58	6,1	82	dr.
040886	01X50 VZV2	bk	480	13,3	511	dr.
040887	01X70 VZV2	bk	672	15,2	700	dr.
040888	01X95 VZV2	bk	912	17	930	dr.
040889	01X120VZV2	bk	1152	18,7	1175	dr.
040890	01X150VZV2	bk	1440	20,7	1485	dr.
040891	01X185VZV2	bk	1776	22,3	1825	dr.
040892	01X240VZV2	bk	2304	25,5	2340	dr.

Power cables
1 up to 30 kV

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Flexible Cables

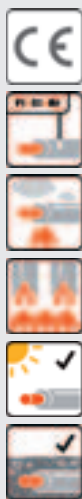
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PV1-F for direct burial



standard	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
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 D _A
bending radius, moved application	6 x D _A
nominal voltage U₀	0,6 kV
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 and may be installed directly in ground.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040770	01X4 VZ V2	bk	38,4	5,6	61	dr.
040858	01X4 VZ V2	bu	38,4	5,6	61	dr.
040859	01X4 VZ V2	rd	38,4	5,6	61	dr.
040771	01X6 VZ V2	bk	58	6,1	82	dr.
040856	01X6 VZ V2	bu	58	6,1	82	dr.
040857	01X6 VZ V2	rd	58	6,1	82	dr.
040860	01X10 VZV2	bk	96	7,2	120	dr.
040864	01X16 VZV2	bk	154	9	178	dr.
040867	01X25 VZV2	bk	240	10,7	273	dr.
040870	01X35 VZV2	bk	336	11,8	364	dr.
040886	01X50 VZV2	bk	480	13,3	511	dr.
040887	01X70 VZV2	bk	672	15,2	700	dr.
040888	01X95 VZV2	bk	912	17	930	dr.
040889	01X120VZV2	bk	1152	18,7	1175	dr.
040890	01X150VZV2	bk	1440	20,7	1485	dr.
040891	01X185VZV2	bk	1776	22,3	1825	dr.
040892	01X240VZV2	bk	2304	25,5	2340	dr.

FACAB SOLAR 125

Application:

Designed specially for application in solar generators. Thanks to cross-linked insulating and sheathing materials very good resistance against mechanical and environmental factors is achieved, as well as a very high electrical performance. At the same time the current rating is higher than in comparable rubber- or EPR-insulated cables. The cable is short-circuit-proof and resistant against UV-irradiation and ozon. Insulation and sheath may be separated easily. The GLX-version has an additional rodent protection (glass yarns).

conductor material	copper, bare or tinned
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
maximum temperature at conductor	125 °C
max. operating temperature, fixed	-40 - +125 °C
bending radius, fixed installation	5 x D _A
bending radius, moved application	15 x D _A
nominal voltage U₀	600 V
nominal voltage U	1000 V
nominal voltage (DC)	0,9/1,5 kV
test voltage	5 kV

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
040724	01X16 VZ	bk	154	9,5	215	dr., c. 100
040745	01X25 VZ	bk	240	11,5	295	dr.
040746	01X35 VZ	bk	336	13,3	395	dr.
040747	01X50 VZ	bk	480	15,1	630	dr.
040803	01X70 VZ	bk	672	18,1	987	dr.
040804	01X95 VZ	bk	912	19,9	1276	dr.
040805	01X120 VZ	bk	1152	22,2	1702	dr.
040811	01X150 VZ	bk	1440	22,6	1650	dr.
040812	01X185 VZ	bk	1776	25,1	2000	dr.
040813	01X240 VZ	bk	2304	27	2600	dr.



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Technical Appendix

SiD



conductor material	tinned copper
conductor construction	solid, class 1
insulation	silicone rubber
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	180 °C
max. operating temperature, fixed	-60- +180 °C
bending radius, moved application	6 x D _A
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
034750	01X0,75	wh	7,2	2,9	13	c. 100, dr., barrel
031939	01X1	bk	9,6	2,3	13	dr., c. 100
031940	01X1	wh	9,6	2,3	13	dr., c. 100
031941	01X1,5	bu	14,4	2,6	19	dr., c. 100
031942	01X1,5	bn	14,4	2,6	19	dr., c. 100
031943	01X1,5	ge/ye	14,4	2,6	19	dr., c. 100
032653	01X1,5	gy	14,4	2,6	19	dr., c. 100
031944	01X1,5	bk	14,4	2,6	19	dr., c. 100
033884	01X2,5	bk	24	3,2	29	dr., c. 100
033885	01X2,5	rd	24	3,2	29	dr., c. 100
033886	01X2,5	bu	24	3,2	29	dr., c. 100
033887	01X2,5	bn	24	3,2	29	dr., c. 100
033888	01X2,5	wh	24	3,2	29	dr., c. 100
033889	01X2,5	gy	24	3,2	29	dr., c. 100

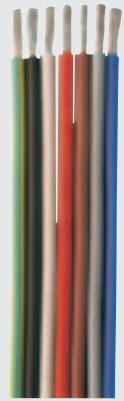


SiF

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.

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



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031075	01X0,5	ge/ye	4,8	2,1	8,6	c. 100
031076	01X0,5	bu	4,8	2,1	8,6	c. 100
031077	01X0,5	bk	4,8	2,1	8,6	c. 100
031078	01X0,5	bn	4,8	2,1	8,6	c. 100
031079	01X0,5	gy	4,8	2,1	8,6	c. 100
031080	01X0,5	wh	4,8	2,1	8,6	dr., c. 100
031081	01X0,5	rd	4,8	2,1	8,6	c. 100
031082	01X0,75	gy	7,2	2,4	11	c. 100
031083	01X0,75	wh	7,2	2,4	11	c. 100
031084	01X0,75	rd	7,2	2,4	11	c. 100
030993	01X0,75	bk	7,2	2,4	11	c. 100
030992	01X0,75	bn	7,2	2,4	11	c. 100
030991	01X0,75	bu	7,2	2,4	11	c. 100
030990	01X0,75	ge/ye	7,2	2,4	11	dr., c. 100
030994	01X1	ge/ye	9,6	2,5	13,6	c. 100
030997	01X1	bk	9,6	2,5	13,6	c. 100
030996	01X1	bn	9,6	2,5	13,6	c. 100, c. 50
030995	01X1	bu	9,6	2,5	13,6	c. 100, c. 50
031085	01X1	gy	9,6	2,5	13,6	c. 100
031086	01X1	wh	9,6	2,5	13,6	c. 100
031087	01X1	rd	9,6	2,5	13,6	c. 100
030999	01X1,5	bu	14,4	2,8	20,3	dr., c. 100, barrel
030998	01X1,5	ge/ye	14,4	2,8	20,3	dr., c. 100, c. 50, barrel
030972	01X1,5	rd	14,4	2,8	20,3	dr., c. 100, barrel
030971	01X1,5	bn	14,4	2,8	20,3	c. 100, dr., barrel
030970	01X1,5	bk	14,4	2,8	20,3	dr., c. 100, barrel
031088	01X1,5	gy	14,4	2,8	20,3	c. 100, dr., barrel
031089	01X1,5	wh	14,4	2,8	20,3	dr., c. 100, barrel
031090	01X2,5	ge/ye	24	3,4	32	dr., c. 100, barrel
031091	01X2,5	bu	24	3,4	32	dr., c. 100, barrel
030967	01X2,5	bk	24	3,4	32	dr., c. 100, barrel
030968	01X2,5	rd	24	3,4	32	dr., c. 100, barrel
030969	01X2,5	bn	24	3,4	32	dr., c. 100, barrel
031092	01X2,5	gy	24	3,4	32	c. 100
031093	01X2,5	wh	24	3,4	32	c. 100
031094	01X4	ge/ye	38,4	4,2	48,5	c. 100
031095	01X4	bu	38,4	4,2	48,5	c. 100
031096	01X4	bk	38,4	4,2	48,5	dr., c. 100
031097	01X4	bn	38,4	4,2	48,5	c. 100
031098	01X4	gy	38,4	4,2	48,5	c. 100
031099	01X4	wh	38,4	4,2	48,5	c. 100
031100	01X4	rd	38,4	4,2	48,5	dr., c. 100



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SiF



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031101	01X6	ge/ye	57,6	5,2	71	c. 100
031102	01X6	bu	57,6	5,2	71	c. 100
031103	01X6	bk	57,6	5,2	71	c. 100, c. 50, dr.
031104	01X6	bn	57,6	5,2	71	c. 100
031105	01X6	gy	57,6	5,2	71	c. 100
031106	01X6	wh	57,6	5,2	71	c. 100
031107	01X6	rd	57,6	5,2	71	c. 100
031108	01X10	bk	96	6,3	124	dr., c. 100, c. 50
032021	01X10	bu	96	6,3	124	dr., c. 100
032022	01X10	bn	96	6,3	124	dr., c. 100
031109	01X10	ge/ye	96	6,3	124	c. 100, c. 50
031115	01X16	bk	153,6	8	188	dr., c. 100, c. 50
031111	01X16	ge/ye	153,6	8	188	dr., c. 50, c. 100
031112	01X25	bk	240	9,9	296	dr., c. 100, c. 50
031113	01X25	ge/ye	240	9,9	296	dr., c. 50
031114	01X35	bk	336	11,2	400	dr., c. 50
031116	01X35	ge/ye	336	11,2	400	dr., c. 50
031117	01X50	bk	480	13,8	570	dr., c. 50
030963	01X70	bk	672	14,8	766	dr.
031118	01X95	bk	912	18,2	1030	dr., c. 100
031119	01X120	bk	1152	18,8	1300	dr.
031281	01X150	bk	1440	20,8	1563	dr.
031288	01X185	bk	1776	23,3	1915	dr.
032108	01X240	bk	2304	26,1	2440	dr.
032109	01X300	bk	2880	28,9	3100	dr.



SiHF-J



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
maximum temperature at conductor	180 °C
max. operating temperature, fixed	-60- +180 °C
bending radius, fixed installation	15 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030709	03X0,75	rd	21,6	6,8	66	dr., c. 100, c. 50
030710	04X0,75	rd	28,8	7,8	84	dr., c. 100, c. 50
030942	05X0,75	rd	36	8,5	101	dr., c. 100, c. 50
030943	07X0,75	rd	50,4	9,6	158	dr., c. 100, c. 50
035547	12X0,75	rd	86,5	11,1	178	dr.
035548	18X0,75	rd	130	13,3	260	dr.
035549	25X0,75	rd	180	15,6	370	dr.



SiHF-J

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030676	03X1	rd	28,8	7,4	78	dr., c. 100, c. 50
030682	04X1	rd	38,4	8	95	dr., c. 100, c. 50
030944	05X1	rd	48	8,8	116	dr., c. 100, c. 50
030678	07X1	rd	67,2	10	177	dr., c. 100, c. 50
032872	20X1	rd	192	15,8	400	dr.
030680	03X1,5	rd	43,2	8	98	dr., c. 100, c. 50
030665	04X1,5	rd	57,6	8,8	122	dr., c. 100, c. 50
030711	05X1,5	rd	72	9,6	148	dr., c. 100, c. 50
030800	07X1,5	rd	101	10,9	232	dr., c. 100, c. 50
030791	12X1,5	rd	172,8	14,8	332	dr.
032625	18X1,5	rd	259,2	17,6	510	dr.
030945	20X1,5	rd	288	18,5	549	dr.
030946	24X1,5	rd	345,6	20,2	635	dr.
030664	03X2,5	rd	72	9,7	152	dr., c. 100, c. 50
030674	04X2,5	rd	96	10,6	189	dr., c. 100, c. 50
030691	05X2,5	rd	120	11,6	229	dr., c. 100, c. 50
030766	07X2,5	rd	168	13,2	348	dr., c. 50
033890	12X2,5	rd	288	18	530	dr.
031126	03X4	rd	115	11,5	249	dr., c. 100, c. 50
030668	04X4	rd	154	13	330	dr., c. 100, c. 50
030696	05X4	rd	192	15	359	dr.
031127	07X4	rd	269	16,2	487	dr.
031129	03X6	rd	173	14,2	352	dr., c. 50
031130	04X6	rd	230	16,2	429	dr.
030690	05X6	rd	288	17,7	564	dr.
030951	07X6	rd	403	19,3	685	dr.
030708	04X10	rd	384	21,4	710	dr.
033749	05X10	rd	480	22,5	900	dr.
030707	04X16	rd	615	24	1014	dr.
031611	05X16	rd	768	26,9	1206	dr.
031332	04X25	rd	960	29,3	1460	dr.
032880	04X35	rd	1344	33	2044	dr.
032847	04X50	rd	1920	34	2990	dr.
035606	05X35	rd	1680	36,7	2850	dr.
033506	04X0,75	rd	87	10,2	154	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

SiHF-0



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
maximum temperature at conductor	180 °C
max. operating temperature, fixed	-60- +180 °C
bending radius, fixed installation	15 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	no

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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031179	02X0,75	rd	14,4	6,4	57	dr., c. 100, c. 50
031180	02X1	rd	19,2	6,6	64	dr., c. 100, c. 50
031181	02X1,5	rd	28,8	7,6	87	dr., c. 100, c. 50
031182	02X2,5	rd	48	9,2	137	dr., c. 100, c. 50
031183	02X4	rd	76,8	10,8	192	dr., c. 100
031184	02X6	rd	116	13,4	289	dr., c. 100, c. 50



SiF/GL



conductor material	tinned copper
conductor construction	fine stranded, class 5
insulation	silicone rubber
maximum temperature at conductor	180 °C
max. operating temperature, fixed	-60 - +180 °C
bending radius, fixed installation	15 x D _A
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
034720	01X4	wh	38,4	4,7	53	dr.
032651	01X6	wh	58	5,4	77	dr., c. 100
034721	01X10	wh	96	7,6	129	dr.
034722	01X16	wh	154	8,9	198	dr., c. 100
034723	01X25	wh	240	10,9	303	dr.
034522	01X35	wh	336	12,1	413	dr.
034724	01X50	wh	480	14,4	578	dr.
033844	01X70	wh	672	14,9	831	dr.
033845	01X95	wh	912	18,4	1117	dr.
033846	01X120	wh	1152	19,4	1410	dr.
033847	01X150	wh	1440	23,4	1695	dr.
033848	01X185	wh	1776	24	2077	dr.
034725	01X240	wh	2304	26,9	2498	dr.

SiHFC-Si-J/-0

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.

conductor material	tinned copper
conductor construction	fine stranded, class 5
insulation	silicone rubber
screen coverage	85 %
sheathing material	silicone rubber
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	180 °C
max. operating temperature, fixed	-60- +180 °C
bending radius, fixed installation	5 x D _A
bending radius, moved application	10 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
034551	02X0,75	rd	62	9,2	124	dr.
034552	02X1	rd	67	9,5	132	dr.
034554	02X2,5	rd	123	12,1	230	dr.
034553	02X1,5	rd	88	10,7	172	dr.
031574	03X0,75	rd	69,1		130	dr.
031894	04X0,75	rd	86	10,1	159	dr.
033728	05X0,75	rd	95,2	10,9	177	dr.
032639	07X0,75	rd	113,3	11,6	214	dr.
033737	03X1	rd	86,2	9,7	146	dr.
032889	04X1	rd	97	10,7	174	dr.
033729	05X1	rd	110	11,6	203	dr.
032890	07X1	rd	142	12,1	247	dr.
035184	12X1	rd	254	15,2	371	dr.
031895	24X1	rd	325	24,2	526	dr.
031951	03X1,5	rd	103,5		198	dr.
032322	04X1,5	rd	132	12,1	230	dr.
033730	05X1,5	rd	149	13,3	276	dr.
032637	07X1,5	rd	193,4	14,3	342	dr.
031806	12X1,5	rd	298	19,6	454	dr.
034858	18X1,5	rd	394	20,9	720	dr.
035140	25X1,5	rd	488,2	27	791	dr.
034764	03X2,5	rd	148	12,9	275	dr.
032789	04X2,5	rd	189	14,2	334	dr.
032043	05X2,5	rd	214,9		394	dr.
034795	07X2,5	rd	266	16,9	488	dr.
032319	04X4	rd	294	17,1	520	dr.
033482	04X6	rd	449	18,8	781	dr.
033731	05X4	rd	374	19,4	592	dr.
033744	04X10	rd	759	25,7	1294	dr.
033745	04X16	rd	1180	28,4	1988	dr.
033746	04X25	rd	1236	35	2995	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

SiHF/GLS-P



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
maximum temperature at conductor	180 °C
max. operating temperature, fixed	-60 - +180 °C
bending radius, fixed installation	10 x D _A
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.



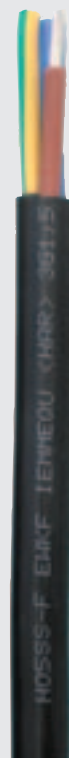
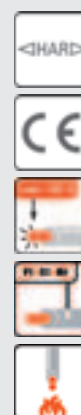
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032325	02X0,75	SWA	14,4	7,9	84	dr.
032326	03X0,75	SWA	21,6	8,3	95	dr.
032327	04X0,75	SWA	29	9,3	116	dr.
032328	05X0,75	SWA	36	10,1	140	dr.
032033	07X0,75	SWA	50	10,7	177	dr.
032329	02X1	SWA	19,2	7,9	91	dr.
032330	03X1	SWA	29	8,9	110	dr.
031748	04X1	SWA	38,4	9,4	142	dr.
032331	05X1	SWA	48	10,4	155	dr.
031936	07X1	SWA	67,2	11,1	197,7	dr.
032332	02X1,5	SWA	29	9,1	119	dr.
032333	03X1,5	SWA	43,2	9,5	137	dr.
032079	04X1,5	SWA	58	10,3	170	dr.
032334	05X1,5	SWA	72	11,1	193	dr.
032292	07X1,5	SWA	101	12,1	198	dr.
032023	12X1,5	SWA	173	15,5	328	dr.
032309	24X1,5	SWA	346	21,5	600	dr.
032336	02X2,5	SWA	48	10,7	175	dr.
032337	03X2,5	SWA	72	11,2	194	dr.
031970	04X2,5	SWA	96	12,1	278	dr.
032338	05X2,5	SWA	120	13,3	304	dr.
032340	07X2,5	SWA	168	14,4	368	dr.
032341	02X4	SWA	77		236	dr.
032343	04X4	SWA	154	14,9	359	dr.
032324	05X4	SWA	192	16,1	435	dr.
032344	07X4	SWA	269	17,5	559	dr.
032347	04X6	SWA	230,4	18,1	508	dr.
032348	05X6	SWA	288	19,4	615	dr.
032921	07X6	SWA	403	20,7	768	dr.
032349	04X10	SWA	384	22,1	925	dr.
032350	04X16	SWA	614,4	26,1	1235	dr.
034669	04X25	SWA	960	30,4	1700	dr.

H05SS-F

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.

standard	VDE 0282-15
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
maximum temperature at conductor	180 °C
max. operating temperature, fixed	-60- +180 °C
bending radius, fixed installation	4 x D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033448	02X0,75	bk	14,4	7,4	57	dr.
033449	03G0,75	bk	22	8,1	71	dr., c. 100
033453	03G1	bk	29	8,5	84	dr., c. 100
033456	02X1,5	bk	29	10,8	90	dr.
032873	03G1,5	bk	43,2	11,4	114	dr.
033457	04G1,5	bk	58	12,6	137	dr.
033458	05G1,5	bk	72	13,7	163	dr.
033459	02X2,5	bk	48	12,6	149	dr.
032878	03G2,5	bk	72	13,4	169	dr.
033460	04G2,5	bk	96	14,8	209	dr.
033461	05G2,5	bk	120	16,3	255	dr.
033463	04G4	bk	154	17,2	331	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

2GTL 13,8/15,0 kV

conductor material	tinned copper
conductor construction	fine stranded, class 5
insulation	silicone rubber
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	180 °C
max. operating temperature, fixed	-50 - +180 °C
bending radius, fixed installation	6 x D _A
nominal voltage U₀	13,8 kV
nominal voltage U	15 kV
maximum permitted operating voltage in 3-phase systems	27,6 kV
test voltage	31 kV

Application:

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



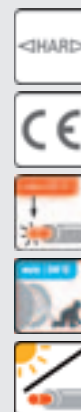
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033428	01X10 13	bk	96	12,1	211	dr.
031930	01X16 13	bk	154	14,1	287	dr.
033429	01X25 13	bk	240	15,6	389	dr.
033430	01X35 13	bk	336	16,7	496	dr.
031933	01X50 13	bk	480	18,6	685	dr.
033431	01X70 13	bk	672	20,7	866	dr.
032143	01X95 13	bk	912	22,5	1096	dr.
033432	01X120 13	bk	1152	24,3	1340	dr.
033433	01X150 13	bk	1440	26,7	1646	dr.
033434	01X185 13	bk	1776	28,7	1975	dr.
033435	01X240 13	bk	2304	30,9	2485	dr.

H05BQ-F

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. H07BQ-F has a filler.

standard	VDE 0282-10
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, fixed	-40 - +80 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



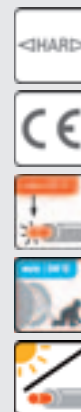
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050320	02X0,75	og	14,4	6,4	48,5	dr., c. 100, c. 50, c. 250
050324	02X1	og	19,2	7	57	dr., c. 100, c. 50
050321	03G0,75	og	21,6	7,1	60	dr., c. 100, c. 50
050325	03G1	og	28,8	7,4	71	dr., c. 100, c. 50
050326	04G1	og	38,4	8,1	92	dr., c. 100, c. 50
050323	05G0,75	og	36	8,5	98	dr., c. 100, c. 50
050327	05G1	og	48	9	115,5	dr., c. 100, c. 50

H07BQ-F

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. H07BQ-F has a filler.

standard	VDE 0282-10
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, fixed	-40 - +80 °C
nominal voltage U₀	450 V
nominal voltage U	750 V
protective conductor	yes
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050328	02X1,5	og	28,8	8,4	87,5	dr., c. 100, c. 50
050332	02X2,5	og	48	10	128	dr., c. 100, c. 50
050329	03G1,5	og	43,2	8,9	106,5	dr., c. 100, c. 50
050333	03G2,5	og	72	10,6	158,5	dr., c. 100, c. 50
050491	03G4	og	115,2	12,9	228	dr.
050330	04G1,5	og	57,6	9,9	136	dr., c. 100, c. 50
050334	04G2,5	og	96	11,8	206	dr., c. 100, c. 50
050492	04G4	og	154	14,5	294	dr.
050493	04G6	og	230	16,2	436	dr.
050494	04G10	og	384	21,6	722	dr.

H07BQ-F



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050495	04G16	og	614,4	24,2	1103	dr.
050331	05G1,5	og	72	10,8	169,5	dr., c. 100, c. 50
050335	05G2,5	og	120	13,1	258	dr., c. 100, c. 50
050416	05G4	og	192	16	345	dr., c. 100, c. 50
050417	05G6	og	288	17,9	518	dr., c. 100, c. 50
050418	05G10	og	480	23,2	864	dr.
050419	05G16	og	768	26,9	1382	dr.

X07BQ-F



standard	VDE 0282-10
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, fixed	-40 - +80 °C
nominal voltage U₀	450 V
nominal voltage U	750 V
protective conductor	yes
core identification	colours acc. VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

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. H07BQ-F has a filler.

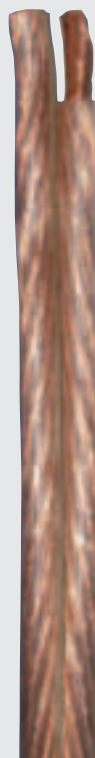
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
050420	05G25	og	1200	35	2400	dr.
050409	05G35	og	1680	39	2500	dr.
050437	05G50	og	2400	46,5	3290	dr.
050421	05G70	og	3360	53	5556	dr.
050413	05G95	og	4560	60	7274	dr.
050345	07X1,5	og	101	13,2	267	dr., c. 100, c. 50
050347	07X2,5	og	168	15,2	352	dr., c. 100
050401	12G1,5	og	172	16	340	dr., c. 100, c. 50
050350	12X2,5	og	288	20,8	520	dr., c. 100

YFAZ

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.

conductor material	bare copper
conductor construction	fine stranded class 6
insulation	PVC
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/ during installation	-10 - +70 °C
nominal voltage U	250 V
test voltage	2000 V



p/n	type	colour	CU kg/km	w x h ca. mm	weight ca. kg/km	packaging
031861	2X0,75/0,2	bk	14	4,9 x 2,35	23	dr., c. 100
032903	2X0,75/0,2	TR	14,4	4,9 x 2,35	23	dr., c. 100
031807	2X1,5/0,15	TR	30	5,8 x 2,5	42	dr., c. 100, c. 50
031763	2X2,5/0,15	TR	50	7,4 x 3,6	60	dr., c. 100, c. 50
031757	02X4/0,15	TR	80	9,7 x 4,5	120	dr., c. 100, c. 50
031764	02X6/0,15	TR	120	12,5 x 6,1	141	dr., c. 100, c. 50
031765	02X10/0,15	TR	200	15 x 7	252	dr.

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Technical Appendix

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, fixed	-20 - +90 °C
bending radius, fixed installation	7,5 x D _A
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032609	03G0,75	TR	22	5	66	dr., c. 100
032905	04G0,75	TR	29	5,6	80	dr., c. 100
032906	05G0,75	TR	36	6,2	91	dr., c. 100
032907	07G0,75	TR	50,4	0	124	dr., c. 100
032984	04G1,5 T	TR	58	7	144	dr., c. 100, c. 50



H05V2V2D3-F (NYPLYw)



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI3
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 localvariable loads). Breaking load of the strength member 250 N.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032870	04G0,75	bk	29	9	72	c. 100
032871	04G0,75	wh	29	9	72	c. 100



Application:

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

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 D _A
nominal voltage U	24 V
test voltage	500 V
core identification	red, blue



p/n	type	colour	CU kg/km	w x h ca. mm	weight ca. kg/km	packaging
031847	02X1,5	bk	28,8	5,8 x 3,5	44	c. 100, dr.
031848	02X2,5	bk	48	6,8 x 4	66	dr., c. 100
031849	02X4	bk	76,8	7,8 x 4,4	96	dr., c. 100



NYL

Application:

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

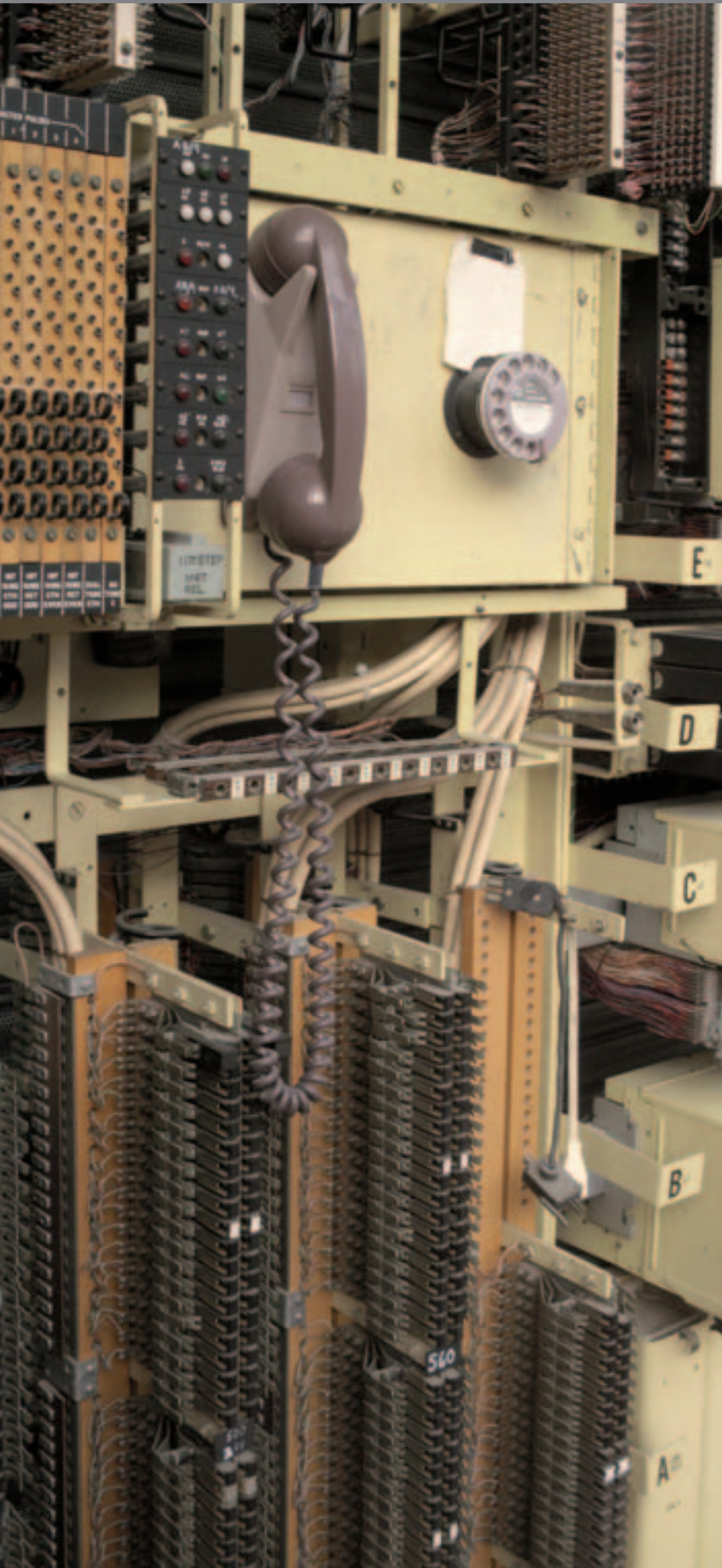
standard	VDE 0283-1
conductor material	tinned copper
conductor construction	fine stranded, class 5
insulation	PVC
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-40 - +70 °C
temperature, moved/ during installation	-5 - +70 °C
bending radius, fixed installation	4 x D _A
nominal voltage U₀	5 kV
nominal voltage U	10 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032902	01X1,5 5KV	ye	14,4	7,5	59	dr., c. 100



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I-YY



standard	VDE 0815
conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC TI1
sheathing material	PVC TM1
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 D _A
operating capacity	100 nF/km
loop resistance	130 Ohm/km
nominal voltage U	300 V
test voltage	800 V
core identification	colours + rings
attenuation at 800 Hz	1,7 dB/km

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!

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100039	02X2X0,6	gy	11	5	30	dr., c. 100, c. 250
100040	04X2X0,6	gy	23	6,5	50	dr., c. 100, c. 250
100041	06X2X0,6	gy	34	7	70	dr., c. 100, c. 250
100042	10X2X0,6	gy	57	8,5	100	dr., c. 100, c. 250
100150	20X2X0,6	gy	113	11	180	dr.
100152	30X2X0,6	gy	170	13,5	280	dr.
100153	40X2X0,6	gy	226	15	360	dr.
100066	100X2X0,6	gy	565	22,5	840	dr.

I-Y(St)Y .. Lg

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!

standard	VDE 0815
conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC TI1
sheathing material	PVC TM1
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 D _A
operating capacity	100 nF/km
nominal voltage U	300 V
test voltage	800 V
core identification	colours acc. VDE 0815



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100001	01X2X0,6	gy	7	5	30	dr., c. 100, c. 50, c. 250
100003	02X2X0,6	gy	13	5,5	35	dr., c. 100, c. 50, c. 250
100005	03X2X0,6	gy	18	6,3	50	dr., c. 100, c. 250
100007	04X2X0,6	gy	24	6,8	55	dr., c. 100, c. 50, c. 250
100009	05X2X0,6	gy	30	7,2	65	dr., c. 100, c. 250
100011	06X2X0,6	gy	35	7,5	75	dr., c. 100, c. 50, c. 250
100013	08X2X0,6	gy	46	8	90	dr., c. 100, c. 250
100017	10X2X0,6	gy	58	9	110	dr., c. 100, c. 250
100019	12X2X0,6	gy	71	9,5	130	dr., c. 100, c. 250
100021	14X2X0,6	gy	82	10	150	dr.
100023	16X2X0,6	gy	93	10,5	155	dr., c. 100, c. 250
100025	20X2X0,6	gy	116	11	200	dr., c. 100, c. 250
100027	24X2X0,6	gy	139	11,5	235	dr., c. 100
100029	30X2X0,6	gy	172	13	275	dr.
100031	40X2X0,6	gy	229	15	350	dr., c. 50
100033	50X2X0,6	gy	286	17	445	dr.
100035	60X2X0,6	gy	342	18	520	dr.
100037	80X2X0,6	gy	455	20,5	675	dr.
100015	100X2X0,6	gy	568	23	870	dr.
100002	01X2X0,8	gy	11	6	40	dr., c. 100, c. 250
100004	02X2X0,8	gy	21	7	55	dr., c. 100, c. 50, c. 250
100006	03X2X0,8	gy	31	8,5	80	dr., c. 100, c. 250
100008	04X2X0,8	gy	41	9	95	dr., c. 100, c. 250
100010	05X2X0,8	gy	52	9,5	115	dr., c. 100, c. 250
100012	06X2X0,8	gy	62	10,5	130	dr., c. 100, c. 50, c. 250
100014	08X2X0,8	gy	82	11,5	160	dr., c. 100, c. 250
100018	10X2X0,8	gy	102	13	205	dr., c. 100, c. 250
100020	12X2X0,8	gy	123	14	240	dr., c. 100, c. 250
100022	14X2X0,8	gy	144	14,5	280	dr.
100024	16X2X0,8	gy	164	15,5	300	dr., c. 100
100026	20X2X0,8	gy	204	16,5	380	dr., c. 100
100028	24X2X0,8	gy	244	19	445	dr.
100030	30X2X0,8	gy	304	20	540	dr.
100032	40X2X0,8	gy	405	22,5	710	dr.
100034	50X2X0,8	gy	506	25,5	875	dr.
100036	60X2X0,8	gy	606	28	1085	dr.
100038	80X2X0,8	gy	807	31	1440	dr.
100016	100X2X0,8	gy	1008	32	1790	dr.

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Fire signalisation cable



conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC TI1
sheathing material	PVC TM1
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 D _A
operating capacity	100 nF/km
nominal voltage U	300 V
test voltage	800 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100056	02X2X0,8	rd	21	7	55	dr., c. 100, c. 50, c. 250
100057	04X2X0,8	rd	41	9	95	dr., c. 100
100058	06X2X0,8	rd	62	10,5	130	dr., c. 100
100059	10X2X0,8	rd	102	13	205	dr.
100060	20X2X0,8	rd	204	16,5	380	dr.
100146	40X2X0,8	rd	405	22	710	dr.
100147	50X2X0,8	rd	506	25,5	875	dr.
100148	80X2X0,8	rd	807	31	1440	dr.
100144	100X2X0,8	rd	1008	32	1780	dr.

J-2Y(St)Y St III Bd

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.

conductor material	bare copper
conductor construction	solid, class 1
insulation	polyethylene
sheathing material	PVC
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 D _A
impedance	100 Ohm
operating capacity	52 nF/km
nominal voltage U	300 V
test voltage	800 V



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100210	02X2X0,6	gy	13	5,5	42	dr., c. 100, c. 250
100211	04X2X0,6	gy	24	7,5	66	dr., c. 250
100212	06X2X0,6	gy	35	8,5	80	dr.
100213	10X2X0,6	gy	58	9	115	dr.
100214	20X2X0,6	gy	116	12	217	dr.
100215	30X2X0,6	gy	172	14,5	283	dr.
100216	40X2X0,6	gy	229	16	370	dr.
100217	50X2X0,6	gy	286	18,5	434	dr.
100218	60X2X0,6	gy	342	20	526	dr.
100220	100X2X0,6	gy	568	25	861	dr.

J-H(ST)H

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.

standard	VDE 0815
conductor material	bare copper
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
max. operating temperature, fixed	-5 - +50 °C
operating capacity	120 nF/km
nominal voltage U	300 V
test voltage	800 V



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100294	002X2X0,6	gy	14	5,5	49	dr., c. 100
100295	004X2X0,6	gy	25	6,8	92	dr.
100296	006X2X0,6	gy	37	7,5	101	dr., c. 100
100297	010X2X0,6	gy	59	9	146	dr.
100298	020X2X0,6	gy	116	11	310	dr.
100299	030X2X0,6	gy	172	13	352	dr.
100300	040X2X0,6	gy	229	15	464	dr.
100301	050X2X0,6	gy	286	17	573	dr.
100302	060X2X0,6	gy	342	18	661	dr.
100303	080X2X0,6	gy	455	20,5	876	dr.
100304	100X2X0,6	gy	568	23	1056	dr.
100305	002X2X0,8	gy	25	7	69	dr., c. 100
100306	004X2X0,8	gy	45	9	136	dr., c. 100
100307	006X2X0,8	gy	65	10,5	152	dr.



J-H(ST)H



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100308	010X2X0,8	gy	106	13	230	dr.
100309	020X2X0,8	gy	206	16,5	508	dr.
100311	040X2X0,8	gy	407	22,5	787	dr.
100312	050X2X0,8	gy	508	25,5	973	dr.
100314	060X2X0,8	gy	608	28	1121	dr.
100313	080X2X0,8	gy	809	31	1476	dr.
100315	100X2X0,8	gy	1010	32	1805	dr.



J-H(St)H BMK



standard	VDE 0815 (with ref. to)
conductor material	bare copper
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
max. operating temperature, fixed	-5 - +50 °C
operating capacity	120 nF/km
nominal voltage U	300 V
test voltage	800 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100354	002X2X0,8	rd	25	7	69	dr.
100355	004X2X0,8	rd	45	9	136	dr., c. 100
100356	006X2X0,8	rd	65	10,5	152	dr.
100357	010X2X0,8	rd	106	13	230	dr.
100358	020X2X0,8	rd	206	16,5	508	dr.
100359	030X2X0,8	rd	307	20	599	dr.
100360	040X2X0,8	rd	407	22,5	787	dr.
100361	050X2X0,8	rd	508	25,5	973	dr.
100362	060X2X0,8	rd	608	28	1121	dr.
100363	080X2X0,8	rd	809	31	1476	dr.
100364	100X2X0,8	rd	1010	32	1805	dr.



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.

conductor material	bare copper
insulation	polyethylene
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-5 - +50 °C
impedance	100 Ohm
operating capacity	45 nF/km
transfer impedance	200 Ohm/km
nominal voltage U	225 V
test voltage	800 V
core identification	colours + rings

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100454	02X2X0,6	gy	13	4,9	42	dr.
100390	04X2X0,6	gy	25	6,9	60	dr.
100471	06X2X0,6	gy	35	7	85	dr.
100470	10X2X0,6	gy	58	9,2	115	dr.
100521	20X2X0,6	gy	116	12	217	dr.
100536	30X2X0,6	gy	172	14,5	300	dr.
100537	40X2X0,6	gy	229	16,2	370	dr.
100522	50X2X0,6	gy	286	18,2	434	dr.
100523	60X2X0,6	gy	342	19,6	526	dr.
100538	80X2X0,6	gy	455	22,1	680	dr.
100520	100X2X0,6	gy	568	24,7	861	dr.



A-2Y(L)2Y nx2x0,6

standard	VDE 0816
conductor material	bare copper
conductor construction	solid
insulation	polyethylene 2Y11
sheathing material	polyethylene 2YM1
bonded sheath	yes
flame retardant	no
for outdoor use	yes
max. operating temperature, fixed	-30-+70 °C
temperature, moved/during installation	-20-+50 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	52 nF/km
loop resistance	130 Ohm/km
nominal voltage U	225 V
test voltage	2000 V
core identification	colours + rings
attenuation at 800 Hz	1,04 dB/km

Application:

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

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110080	02X2X0,6	bk	11	9	80	dr.
110075	04X2X0,6	bk	23	11	120	dr.
110025	06X2X0,6	bk	34	12	130	dr.
110029	10X2X0,6	bk	57	13,5	155	dr.
110035	20X2X0,6	bk	113	16	240	dr.
110037	30X2X0,6	bk	170	18	310	dr.
110039	40X2X0,6	bk	226	20	385	dr.
110041	50X2X0,6	bk	283	21	460	dr.
110043	70X2X0,6	bk	396	25	605	dr.
110027	100X2X0,6	bk	565	28	870	dr.
110031	150X2X0,6	bk	848	33	1345	dr.
110033	200X2X0,6	bk	1131	38	1755	dr.
110083	300X2X0,6	bk	1696	44,5	2525	dr.

A-2Y(L)2Y nx2x0,8

Application:

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

standard	VDE 0816
conductor material	bare copper
conductor construction	solid
insulation	polyethylene 2Y11
sheathing material	polyethylene 2YM1
bonded sheath	yes
flame retardant	no
for outdoor use	yes
max. operating temperature, fixed	-30-+70 °C
temperature, moved/during installation	-20-+50 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	55 nF/km
loop resistance	73,2 Ohm/km
nominal voltage U	225 V
test voltage	2000 V
core identification	colours + rings
attenuation at 800 Hz	0,78 dB/km



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110076	02X2X0,8	bk	20	9	90	dr.
110024	04X2X0,8	bk	40	12	140	dr.
110026	06X2X0,8	bk	60	13	160	dr.
110030	10X2X0,8	bk	101	15	205	dr.
110036	20X2X0,8	bk	201	18,5	355	dr.
110038	30X2X0,8	bk	302	21	475	dr.
110040	40X2X0,8	bk	402	23	600	dr.
110042	50X2X0,8	bk	503	26	745	dr.
110044	70X2X0,8	bk	704	29	1100	dr.
110028	100X2X0,8	bk	1005	34	1425	dr.
110032	150X2X0,8	bk	1508	40	2200	dr.
110034	200X2X0,8	bk	2011	44	2900	dr.

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A-2YF(L)2Y nx2x0,6



standard	VDE 0816
conductor material	bare copper
conductor construction	solid
insulation	polyethylene 2Y11
sheathing material	polyethylene 2YM1
bonded sheath	yes
flame retardant	no
for outdoor use	yes
maximum temperature at conductor	70 °C
max. operating temperature, fixed	70 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	52 nF/km
loop resistance	130 Ohm/km
nominal voltage U	225 V
test voltage	2000 V
core identification	colours + rings
attenuation at 800 Hz	1,04 dB/km

Application:

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

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110077	02X2X0,6	bk	11	9	80	dr.
110079	04X2X0,6	bk	23	11	130	dr.
110001	06X2X0,6	bk	34	12	140	dr.
110005	10X2X0,6	bk	57	13,5	190	dr.
110011	20X2X0,6	bk	113	16,5	310	dr.
110016	30X2X0,6	bk	170	19,5	430	dr.
110018	40X2X0,6	bk	226	21,5	545	dr.
110020	50X2X0,6	bk	283	23,5	660	dr.
110022	70X2X0,6	bk	396	27	875	dr.
110003	100X2X0,6	bk	565	31,5	1225	dr.
110009	200X2X0,6	bk	1131	42,5	2315	dr.
110014	300X2X0,6	bk	1696	51,5	3480	dr.

A-2YF(L)2Y nx2x0,8**Application:**

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

standard	VDE 0816
conductor material	bare copper
conductor construction	solid
insulation	polyethylene 2YI1
sheathing material	polyethylene 2YM1
bonded sheath	yes
flame retardant	no
for outdoor use	yes
maximum temperature at conductor	70 °C
max. operating temperature, fixed	70 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	55 nF/km
loop resistance	73,2 Ohm/km
nominal voltage U	225 V
test voltage	2000 V
core identification	colours + rings
attenuation at 800 Hz	0,78 dB/km



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110078	02X2X0,8	bk	20	10	100	dr.
110074	04X2X0,8	bk	40	13	175	dr.
110002	06X2X0,8	bk	60	13,5	200	dr.
110006	10X2X0,8	bk	101	15,5	280	dr.
110012	20X2X0,8	bk	201	20	485	dr.
110017	30X2X0,8	bk	302	23	675	dr.
110019	40X2X0,8	bk	402	26,5	885	dr.
110021	50X2X0,8	bk	503	28,5	1070	dr.
110023	70X2X0,8	bk	704	33	1420	dr.
110112	80X2X0,8	bk	804	35	1700	dr.
110004	100X2X0,8	bk	1005	38,5	2000	dr.
110008	150X2X0,8	bk	1508	47	2935	dr.
110010	200X2X0,8	bk	2011	52	3800	dr.
110091	250X2X0,8	bk	2514	58	4590	dr.
110015	300X2X0,8	bk	3016	62	5480	dr.
110069	350X2X0,8	bk	3519	66	6350	dr.
110073	400X2X0,8	bk	4022	72	7350	dr.
110099	500X2X0,8	bk	5027	79	8920	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

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A-02YSOF(L)2Y 0,8 mm



standard	VDE 0816
conductor material	bare copper
conductor construction	solid
insulation	foam-PE
sheathing material	polyethylene
bonded sheath	yes
max. operating temperature, fixed	-30 - +70 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	55 nF/km
loop resistance	73,2 Ohm/km
nominal voltage U	225 V

Application:

Subscriber line cable for connecting telecom network components. For installation in tubes ducts or direct burial in ground.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110413	06X2X0,8	bk	60	0	200	dr.
110213	10X2X0,8	bk	101	13,2	230	dr.
110231	20X2X0,8	bk	201	17,2	360	dr.
110301	30X2X0,8	bk	302	20	675	dr.
110232	50X2X0,8	bk	503	23,7	750	dr.
110233	100X2X0,8	bk	1005	32,4	1440	dr.
110393	200X2X0,8	bk	2011	44	2650	dr.

AJ-Y(St)YDY Bd



standard	VDE 0816
conductor material	bare copper
conductor construction	solid
insulation	PVC TI1
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	10 x D _A
operating capacity	100 nF/km
sheathing material	PVC
test voltage	500 V
attenuation at 800 Hz	1,1 dB/km

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 (the jelly-filling is protected against intruding water), as well as in cable ducts and tubes. The FR-version is flame retardant acc. to VDE 0482-266-2-4/IEC 60332-3-24.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110198	02X2X0,8	bk	193	12,5	325	dr.
110163	04X2X0,8	bk	213	15,1	375	dr.
110200	08X2X0,8	bk	253	17,5	480	dr.
110165	12X2X0,8	bk	294	19,5	327	dr.
110201	20X2X0,8	bk	374	22,5	730	dr.
110214	40X2X0,8	bk	575	28,5	1100	dr.
110285	48X2X0,8	bk	661	30,2	1215	dr.
110202	100X2X0,8	bk	1265	40,3	1890	dr.

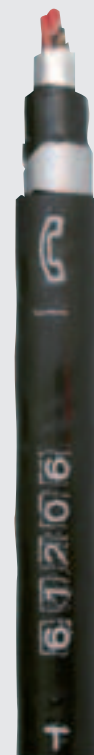


A-2YF(L)2YB2Y St III Bd

Application:

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

standard	VDE 0816 (with ref. to)
conductor material	bare copper
conductor construction	solid
insulation	polyethylene 2YI1
sheathing material	polyethylene 2YM2
bonded sheath	yes
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/ during installation	- 5 - +50 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	42 nF/km
loop resistance	73,2 Ohm/km
nominal voltage U	225 V
test voltage	500 V



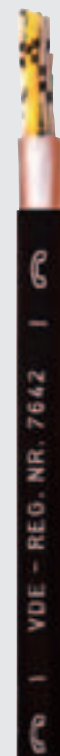
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110268	04X2X0,8	bk	40	15,5	288	dr.
110236	10X2X0,8	bk	101	17,8	410	dr.
110273	20X2X0,6	bk	113		454	dr.
110237	20X2X0,8	bk	201	23,1	710	dr.
110240	50X2X0,8	bk	503	31,1	1280	dr.
110300	100X2X0,8	bk	1005	42	1985	dr.

A-02YSF(L)2Y StIII Bd

Application:

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

standard	VDE 0816
conductor material	bare copper
conductor construction	solid, class 1
insulation	foam-skin
sheathing material	polyethylene
bonded sheath	yes
max. operating temperature, fixed	-30 - +70 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	42 nF/km
nominal voltage U₀	225 V
core identification	colours + rings



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110420	02X2X0,6	bk	11	9	65	dr.
110158	06X2X0,6	bk	34	12	135	dr.
110219	10X2X0,6	bk	57	12,7	160	dr.
110220	20X2X0,6	bk	113	16,6	280	dr.
110248	50X2X0,5	bk	196	19	420	dr.
110221	50X2X0,6	bk	283	23	575	dr.
110473	70X2X0,6	bk	396	25,1	770	dr.
110222	100X2X0,6	bk	565	30,7	1080	dr.
110324	02X2X0,8	bk	20	12,6	90	dr.
110555	04X2X0,8	bk	40	12,8	145	dr.
110325	06X2X0,8	bk	60	13	200	dr.

A-02YSF(L)2Y StIII Bd



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110223	10X2X0,8	bk	101	15,5	245	dr.
110224	20X2X0,8	bk	201	19,7	420	dr.
110234	30X2X0,8	bk	302	20	496	dr.
110439	40X2X0,8	bk	402	21,4	618	dr.
110225	50X2X0,8	bk	503	28,9	950	dr.
110440	70X2X0,8	bk	704	31	1230	dr.
110226	100X2X0,8	bk	1005	37,9	1705	dr.
110297	200X2X0,8	bk	2011	54	3800	dr.

A-02YS(St)(Zg)2Y - 0,5 mm



conductor material	bare copper
conductor construction	solid
insulation	foam-skin
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 D _A
operating capacity	40 nF/km
loop resistance	185 Ohm/km
nominal voltage U	225 V
test voltage	1000 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
110445	02X2X0,5	bk	10	9	60	dr.
110446	04X2X0,5	bk	17	11	92	dr.
110422	06X2X0,5	bk	28	12	109	dr.
110447	10X2X0,5	bk	43	13	143	dr.

RD-Y(St)Y

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 intrinsically safe circuits.

conductor material	bare copper
conductor construction	cl.2, 7-wired construction
insulation	PVC
sheathing material	PVC
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-5 - + 50 °C
bending radius, fixed installation	7,5 x D _A
impedance	130 Ohm
operating capacity	120 nF/km
nominal voltage U	600 V
test voltage	2000 V



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100928	01X2X0,5	gy	15	5,5	35	dr.
100929	01X2X0,5	bu	15	5,5	35	dr.
100443	02X2X0,5	gy	25	6,1	60	dr.
100602	02X2X0,5	bu	25	6,1	60	dr.
100445	04X2X0,5	gy	45	8,1	95	dr.
100580	04X2X0,5	bu	45	8,1	95	dr.
100446	08X2X0,5	gy	85	11,5	157	dr.
100501	08X2X0,5	bu	85	11,5	157	dr.
100447	12X2X0,5	gy	125	13,1	229	dr.
100958	12X2X0,5	bu	125	13,1	229	dr.
100448	16X2X0,5	gy	165	13,7	290	dr.
100723	16X2X0,5	bu	165	13,7	290	dr.
100394	24X2X0,5	gy	245	16,3	422	dr.
100581	24X2X0,5	bu	245	16,3	422	dr.
100449	32X2X0,5	gy	325	21,1	535	dr.
100502	32X2X0,5	bu	325	21,1	535	dr.
100450	48X2X0,5	gy	485	23,1	796	dr.
100724	48X2X0,5	bu	485	23,1	796	dr.
100395	96X2X0,5	gy	965	30,5	1410	dr.

Power cables
1 up to 30 kV

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Flexible Cables

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circuit integrity

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Technical Appendix

RD-YwCYw



conductor material	bare copper
conductor construction	cl.2, 7-wired construction
insulation	PVC YI 8
screen coverage	80 %
sheathing material	PVC YM 4
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 D _A
operating capacity	120 nF/km
nominal voltage U	225 V
test voltage	2000 V
core identification	colours acc. VDE 0815

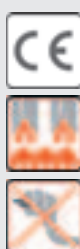
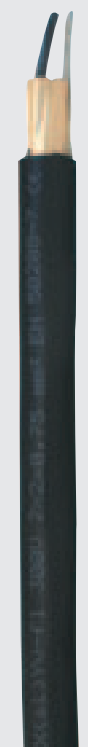
Application:

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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100930	01X2X0,5	gy	43	6,1	89	dr.
100931	02X2X0,5	gy	54	6,5	89	dr.
100932	04X2X0,5	gy	95	9,1	130	dr.
100933	08X2X0,5	gy	145	12,1	195	dr.



RE-2X(St)Yv FR



conductor material	bare copper
conductor construction	cl.2, 7-wired construction
insulation	XLPE
sheathing material	PVC
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
max. operating temperature, fixed	-5 - +50 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	120 nF/km
nominal voltage U	300 V
test voltage	2000 V

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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100637	01X2X0,75	bu	25	7,7	80	dr.
100638	01X2X0,75	bk	25	7,7	80	dr.
100564	02X2X0,75	bu	47	10,4	101	dr.
100518	02X2X0,75	bk	47	10,4	101	dr.
100639	04X2X0,75	bu	64	11,7	160	dr.
100626	04X2X0,75	bk	64	11,7	160	dr.
100640	06X2X0,75	bu	94	13,6	220	dr.
100641	06X2X0,75	bk	94	13,6	220	dr.
100642	08X2X0,75	bu	125	14,4	278	dr.
100530	08X2X0,75	bk	125	14,4	278	dr.
101290	10X2X0,75	bu	156	15,6	320	dr.



RE-2X(St)Yv FR

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
101289	10X2X0,75	bk	156	15,6	320	dr.
100643	12X2X0,75	bu	184	16,8	344	dr.
100644	12X2X0,75	bk	184	16,8	344	dr.
100645	16X2X0,75	bu	245	18,8	430	dr.
100646	16X2X0,75	bk	245	18,8	430	dr.
100647	24X2X0,75	bu	370	22,1	610	dr.
100624	24X2X0,75	bk	370	22,1	610	dr.
100650	01X2X1,3	bu	34	8,4	102	dr.
100615	01X2X1,3	bk	34	8,4	102	dr.
100651	01X3X1,3	bu	50	10	110	dr.
100652	01X3X1,3	bk	50	10	110	dr.
100562	02X2X1,3	bu	60	11,6	125	dr.
100589	02X2X1,3	bk	60	11,6	125	dr.
100653	04X2X1,3	bu	114	13,2	220	dr.
100654	04X2X1,3	bk	114	13,2	220	dr.
100655	06X2X1,3	bu	173	15,5	300	dr.
100656	06X2X1,3	bk	173	15,5	300	dr.
100657	08X2X1,3	bu	218	16,4	360	dr.
100658	08X2X1,3	bk	218	16,4	360	dr.
100563	12X2X1,3	bu	322	19,2	488	dr.
100603	12X2X1,3	bk	322	19,2	488	dr.
100660	24X2X1,3	bu	684	26,1	912	dr.
100479	24X2X1,3	bk	684	26,1	912	dr.

Power cables
1 up to 30 kV

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Technical Appendix

RE-2X(St)Yv FR PiMF

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.

conductor material	bare copper
conductor construction	Strand, 7-wired construction
insulation	XLPE
sheathing material	PVC, enforced
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/during installation	-5 - +50 °C
bending radius, fixed installation	7,5 x D _A
bending radius, moved application	15 x D _A
operating capacity	115 nF/km
nominal voltage U	300 V
test voltage	1500 V
core identification	core A: black, core B: white with number



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100663	02X2X0,5	bu	35	10,7	120	dr.
100664	02X2X0,5	bk	35	10,7	120	dr.
100665	04X2X0,5	bu	62	12,1	160	dr.
100666	04X2X0,5	bk	62	12,1	160	dr.
100667	06X2X0,5	bu	90	14,1	210	dr.
100670	12X2X0,5	bu	176	17,4	340	dr.



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100671	12X2X0,5	bk	176	17,4	340	dr.
100674	24X2X0,5	bu	348	23	580	dr.
100675	24X2X0,5	bk	348	23	580	dr.
100678	02X2X0,75	bu	47	11,4	140	dr.
100679	02X2X0,75	bk	47	11,4	140	dr.
100680	04X2X0,75	bu	82	13	190	dr.
100681	04X2X0,75	bk	82	13	190	dr.
100682	06X2X0,75	bu	124	15,2	260	dr.
100683	06X2X0,75	bk	124	15,2	260	dr.
100684	08X2X0,75	bu	160	16,1	310	dr.
100685	08X2X0,75	bk	160	16,1	310	dr.
100686	12X2X0,75	bu	237	18,8	410	dr.
100687	12X2X0,75	bk	237	18,8	410	dr.
100690	24X2X0,75	bu	470	25,5	760	dr.
100691	24X2X0,75	bk	470	25,5	760	dr.
100620	02X2X1,3	bu	68	12,6	135	dr.
100560	02X2X1,3	bk	68	12,6	135	dr.
100565	04X2X1,3	bu	124	14,4	220	dr.
100495	04X2X1,3	bk	124	14,4	220	dr.
100583	06X2X1,3	bu	181	17	301	dr.
100694	06X2X1,3	bk	181	17	301	dr.
100695	08X2X1,3	bu	239	18	389	dr.
100561	08X2X1,3	bk	239	18	389	dr.
100696	12X2X1,3	bu	353	21,3	580	dr.
100697	12X2X1,3	bk	353	21,3	580	dr.
100699	24X2X1,3	bu	697	29	1090	dr.
100700	24X2X1,3	bk	697	29	1090	dr.

RE-2Y(St)Yv

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.

conductor material	bare copper
conductor construction	cl.2, 7-wired construction
insulation	polyethylene
sheathing material	PVC TM1
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30 - +50 °C
temperature, moved/ during installation	-5 - +50 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	100 nF/km
conductor resistance	14,3 Ohm/km
nominal voltage U	300 V
test voltage	2000 V
core identification	core A: black, core B: white with number



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100777	01X2X0,5	bk	15	8,2	74	dr.
100804	01X2X0,5	bu	15	8,2	74	dr.
100778	02X2X0,5	bk	30	10,2	117	dr.
100805	02X2X0,5	bu	30	10,2	117	dr.
100727	04X2X0,5	bk	50	11	138	dr.
100806	04X2X0,5	bu	50	11,5	138	dr.
100779	06X2X0,5	bk	70	12,6	190	dr.
100780	08X2X0,5	bk	90	13,8	210	dr.
100808	08X2X0,5	bu	90	13,8	210	dr.
100728	12X2X0,5	bk	130	15,7	273	dr.
100810	12X2X0,5	bu	130	15,7	273	dr.
100782	16X2X0,5	bk	170	17,5	348	dr.
100811	16X2X0,5	bu	170	17,5	348	dr.
100813	24X2X0,5	bu	250	20,2	467	dr.
100729	24X2X0,5	bk	250	20,2	467	dr.
100786	01X2X0,75	bk	20	7,9	72	dr.
100816	01X2X0,75	bu	20	7,9	72	dr.
100754	02X2X0,75	bk	35	10,6	127	dr.
100817	02X2X0,75	bu	35	10,6	127	dr.
100787	04X2X0,75	bk	65	11,8	167	dr.
100818	04X2X0,75	bu	65	11,8	167	dr.
100788	06X2X0,75	bk	95	13,6	215	dr.
100819	06X2X0,75	bu	95	13,6	215	dr.
100789	08X2X0,75	bk	125	14,6	262	dr.
100820	08X2X0,75	bu	125	14,6	262	dr.
100755	12X2X0,75	bk	185	17,1	353	dr.
100822	12X2X0,75	bu	185	17,1	353	dr.
100791	16X2X0,75	bk	245	19,1	443	dr.
100823	16X2X0,75	bu	245	19,1	443	dr.
100793	24X2X0,75	bk	365	23,2	615	dr.
100825	24X2X0,75	bu	365	23,2	615	dr.
100796	01X2X1,3	bk	31	9,4	102	dr.
100828	01X2X1,3	bu	31	9,4	102	dr.
100703	02X2X1,3	bk	62	11,7	161	dr.
100829	02X2X1,3	bu	62	11,7	161	dr.
100797	04X2X1,3	bk	114	13,5	230	dr.
100830	04X2X1,3	bu	114	13,5	230	dr.
100798	06X2X1,3	bk	168	16,1	310	dr.
100831	06X2X1,3	bu	168	16,1	310	dr.
100799	08X2X1,3	bk	218	17,1	376	dr.

Power cables
1 up to 30 kV

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Technical Appendix

RE-2Y(St)Yv



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100832	08X2X1,3	bu	218	17,1	376	dr.
100800	12X2X1,3	bk	322	19,3	515	dr.
100833	12X2X1,3	bu	322	19,3	515	dr.
100801	16X2X1,3	bk	426	22,1	654	dr.
100834	16X2X1,3	bu	426	22,1	654	dr.
100802	24X2X1,3	bk	684	26,5	951	dr.
100835	24X2X1,3	bu	684	26,5	951	dr.



JE-Y(St)Y

Application:

For signal transmission between electronic devices, in computer systems or process control units. For installation in dry and wet rooms.

standard	VDE 0815
conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC TI1
sheathing material	PVC TM1
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30 - +70 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	100 nF/km
loop resistance	73,2 Ohm/km
nominal voltage U	225 V
test voltage	500 V
core identification	colours + rings



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
101299	01X2X0,8	gy	15	5,2	41	dr.
101300	01X2X0,8	bu	15	5,2	41	dr.
100106	02X2X0,8	gy	25	7	60	dr.
100107	04X2X0,8	gy	45	9	96	dr.
100108	08X2X0,8	gy	85	11,5	158	dr.
100109	12X2X0,8	gy	126	14	235	dr.
101055	12X2X0,8	bu	126	14	235	dr.
100110	16X2X0,8	gy	166	15,5	295	dr.
100111	20X2X0,8	gy	206	16,5	355	dr.
100112	24X2X0,8	gy	246	19	430	dr.
101275	24X2X0,8	bu	246	19	430	dr.
100113	32X2X0,8	gy	327	21	555	dr.
100114	40X2X0,8	gy	407	22,5	670	dr.

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1 up to 30 kV

Building Wires

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LAN cables

Conductor ropes

Technical Appendix

JE-Y(St)Yv



conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC TI1
sheathing material	PVC, enforced
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30 - +70 °C
bending radius, fixed installation	7,5 x D _A
nominal voltage U	225 V
test voltage	500 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100704	02X2X0,8	gy	25	8	82	dr.
101064	02X2X0,8	bk	25	8	82	dr.
101364	02X2X0,8	bu	25	8	82	dr.
101065	04X2X0,8	bk	45	10	123	dr.
100721	04X2X0,8	bu	45	10	123	dr.
101066	08X2X0,8	bk	85		186	dr.
101365	08X2X0,8	bu	85		186	dr.
100618	12X2X0,8	gy	126	13,5	248	dr.
101067	12X2X0,8	bk	126	13,5	248	dr.
101366	12X2X0,8	bu	126	13,5	248	dr.
100452	20X2X0,8	gy	206		395	dr.
101068	20X2X0,8	bk	206		395	dr.
100500	20X2X0,8	bu	206		395	dr.
101113	24X2X0,8	bk	246		478	dr.
101112	24X2X0,8	bu	246		478	dr.

JE-Y(St)Y ... FR

Application:

For signal transmission between electronic devices, in computer systems or process control units. For installation in dry and wet rooms.

conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC TI1
sheathing material	special PVC-compound
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/during installation	-5 - +50 °C
bending radius, fixed installation	7,5 x D _A
bending radius, moved application	15 x D _A
operating capacity	100 nF/km
loop resistance	73,2 Ohm/km
nominal voltage U	225 V
test voltage	2000 V
attenuation at 800 Hz	1,1 dB/km



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100851	02X2X0,8	gy	25	6,5	60	dr.
100852	04X2X0,8	gy	45	8	90	dr.
100853	08X2X0,8	gy	85	10,5	150	dr.
100854	12X2X0,8	gy	126	11,5	200	dr.
100855	16X2X0,8	gy	166	12,5	260	dr.
100856	20X2X0,8	gy	206	16,5	315	dr.
100857	32X2X0,8	gy	327	19	510	dr.
100858	40X2X0,8	gy	407	20	610	dr.
100859	02X2X0,8	bu	25	6,5	60	dr.
100860	04X2X0,8	bu	45	8	90	dr.
100861	08X2X0,8	bu	85	10,5	150	dr.
100862	12X2X0,8	bu	126	11,5	200	dr.
100863	16X2X0,8	bu	166	12,5	260	dr.
100864	20X2X0,8	bu	206	16,5	315	dr.
100865	32X2X0,8	bu	327	19	510	dr.
100866	40X2X0,8	bu	407	20	610	dr.



JE-LiY(St)Y



standard	VDE 0815
conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
sheathing material	PVC
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30 - +70 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	144 nF/km
loop resistance	78,4 Ohm/km
nominal voltage U	225 V
test voltage	500 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100927	02X2X0,5	gy	25	7	58	dr.
100607	04X2X0,5	gy	45	9	94	dr.
100608	08X2X0,5	gy	85	11,5	154	dr.
100609	16X2X0,5	gy	165	14,5	286	dr.
100610	24X2X0,5	gy	245	17,5	286	dr.
100601	32X2X0,5	gy	325	20	535	dr.
101195	48X2X0,5	gy	485	0	805	dr.



JE-LiYCY



standard	VDE 0815
conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
sheathing material	PVC
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30 - +70 °C
bending radius, fixed installation	7,5 x D _A
operating capacity	100 nF/km
nominal voltage U	225 V
test voltage	500 V
core identification	colours + rings
attenuation at 800 Hz	1,1 dB/km

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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100125	02X2X0,5	gy	48	8,1	81	dr.
100230	02X2X0,5	bu	48	8,1	81	dr.
100126	04X2X0,5	gy	84	10,1	137	dr.
100234	04X2X0,5	bu	84	10,1	137	dr.
100127	08X2X0,5	gy	140	13,5	194	dr.
100231	08X2X0,5	bu	140	13,5	194	dr.
100128	12X2X0,5	gy	193	15,5	307	dr.
100248	12X2X0,5	bu	193	15,5	307	dr.
100202	16X2X0,5	gy	243	17,5	375	dr.



JE-LiYCY

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100194	16X2X0,5	bu	243	17,5	375	dr.
100130	20X2X0,5	gy	292	20,1	461	dr.
100249	20X2X0,5	bu	292	20,1	461	dr.
100131	24X2X0,5	gy	342	21,1	570	dr.
100250	24X2X0,5	bu	342	21,1	570	dr.
100132	32X2X0,5	gy	435	23,1	690	dr.
100251	32X2X0,5	bu	435	23,1	690	dr.
100133	40X2X0,5	gy	531	25,5	831	dr.



Power cables
1 up to 30 kV

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Application:

For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	FRNC compound HI1
screen coverage	70 %
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
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
bending radius, fixed installation	7,5 x D _A
operating capacity	120 nF/km
nominal voltage U₀	250 V
test voltage	1,2 kV
core identification	colours + rings



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100556	02X2X0,5	gy	48	9,1	92	dr.
100557	04X2X0,5	gy	84	10,3	155	dr.
100558	08X2X0,5	gy	152	13,3	250	dr.
100742	12X2X0,5	gy	193	15,6	315	dr.
100743	16X2X0,5	gy	243	17,1	389	dr.

JE-LiHCH



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100744	20X2X0,5	gy	292	18,5	457	dr.
101009	24X2X0,5	gy	342	20,8	556	dr.
100745	32X2X0,5	gy	435	23,5	680	dr.
100746	40X2X0,5	gy	531	25,2	823	dr.
101093	48X2X0,5	gy	665	25,9	988	dr.





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YSLY-JZ



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI1
sheathing material	PVC TM2
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 D _A
bending radius, moved application	15 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
core identification	gn-ye + numbers

Application:

Flexible power, process control and instrumentation cable for industry and mechanical engineering. The cable is resistant against most usual chemicals, oil and grease.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030643	03X0,5	gy	14,4	5,7	47	dr., c. 100, c. 50
030644	04X0,5	gy	19,2	6,1	58	dr., c. 100, c. 50
030645	05X0,5	gy	24	6,6	75	dr., c. 100, c. 50
030647	07X0,5	gy	33,6	7	93	dr., c. 100
030649	10X0,5	gy	48	9,1	142	dr., c. 100
030650	12X0,5	gy	58	9,6	150	dr., c. 100
030651	14X0,5	gy	67	9,8	172	dr.
030604	18X0,5	gy	86	11,1	216	dr., c. 100, c. 50
030654	25X0,5	gy	120	13,4	257	dr.
030655	34X0,5	gy	163	14,4	398	dr.
030656	40X0,5	gy	192	15,5	452	dr.
030657	42X0,5	gy	202	15,6	471	dr.
030658	50X0,5	gy	240	17,5	510	dr.
030659	61X0,5	gy	293	19,1	670	dr.
030102	03X0,75	gy	22	6,1	66	dr., c. 100, c. 50
030104	04X0,75	gy	29	6,6	78	dr., c. 100, c. 50
030105	05X0,75	gy	36	7,2	91	dr., c. 100, c. 50
030107	07X0,75	gy	50,4	7,7	124	dr., c. 100, c. 50
031197	08X0,75	gy	58	8	143	dr.
030861	09X0,75	gy	64,8	9,3	162	dr., c. 100
030109	10X0,75	gy	72	10,1	185	dr., c. 100, c. 50
030110	12X0,75	gy	86,4	10,4	191	dr., c. 100
030111	15X0,75	gy	108	11,5	229	dr., c. 100
030112	18X0,75	gy	130	12,1	283	dr., c. 100, c. 50
030114	25X0,75	gy	180	14,9	388	dr., c. 100
031300	30X0,75	gy	216	15,3	445	dr.
030116	34X0,75	gy	245	16,9	546	dr.
030117	42X0,75	gy	302	18	673	dr.
030121	03X1	gy	29	6,5	68	dr., c. 100, c. 50
030122	04X1	gy	38,4	7,1	85	dr., c. 100, c. 50
030123	05X1	gy	48	7,8	110	dr., c. 100, c. 50
031318	06X1	gy	57,6	8,3	135	dr., c. 100
030125	07X1	gy	67	8,3	146	dr., c. 100, c. 50
030862	08X1	gy	76,8	9	148	dr., c. 100
030863	09X1	gy	86,4	10	178	dr., c. 100, c. 50
030128	10X1	gy	96	11,1	210	dr., c. 100
030129	12X1	gy	115,2	11,3	232	dr., c. 100, c. 50

YSLY-JZ

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030130	14X1	gy	134,4	11,8	271	dr., c. 100
030131	18X1	gy	173	13,7	328	dr., c. 100, c. 50
030960	19X1	gy	183	13,9	346	dr.
030132	20X1	gy	192	14,1	357	dr.
030134	25X1	gy	240	16,5	531	dr., c. 100, c. 50
030135	34X1	gy	326,4	18,5	618	dr.
030864	41X1	gy	395	20,8	715	dr.
030137	42X1	gy	403	20,9	731	dr.
030139	50X1	gy	480	22,4	843	dr.
030455	61X1	gy	586	24,3	1080	dr.
030141	03X1,5	gy	43,2	7,4	95	dr., c. 100, c. 50
030142	04X1,5	gy	58	8,1	117	dr., c. 100, c. 50
030143	05X1,5	gy	72	9,1	152	dr., c. 100, c. 50
031957	06X1,5	gy	86,4	9,5	183	dr.
030144	07X1,5	gy	101	10	192	dr., c. 100, c. 50
030716	08X1,5	gy	115,2	10,9	205	dr., c. 100, c. 50
030704	09X1,5	gy	129,6	12,3	220	dr., c. 100
030531	10X1,5	gy	144	13,1	252	dr., c. 100, c. 50
030148	12X1,5	gy	173	13,5	312	dr., c. 100, c. 50
030149	14X1,5	gy	202	14,2	349	dr., c. 100, c. 50
030150	18X1,5	gy	259,2	16,2	456	dr., c. 100, c. 50
030152	25X1,5	gy	360	19,6	638	dr., c. 100, c. 50
030153	32X1,5	gy	461	21,8	820	dr., c. 50
030154	34X1,5	gy	490	22,3	860	dr., c. 50
030155	42X1,5	gy	605	23,6	1052	dr.
030156	50X1,5	gy	720	25,9	1296	dr.
030456	61X1,5	gy	878,4	27,4	1502	dr.
031208	65X1,5	gy	936	28,5	1600	dr.
030158	03X2,5	gy	72	9,2	148	dr., c. 100, c. 50
030159	04X2,5	gy	96	10,2	236	dr., c. 100, c. 50
030160	05X2,5	gy	120	11,2	263	dr., c. 100, c. 50
030161	07X2,5	gy	168	12,9	298	dr., c. 100, c. 50
030169	12X2,5	gy	288	16,8	522	dr., c. 100
030163	14X2,5	gy	336	18,4	588	dr., c. 100
030164	18X2,5	gy	432	19,8	749	dr., c. 100
030165	25X2,5	gy	600	24,2	1024	dr.
030166	34X2,5	gy	816	26,8	1513	dr.
030576	42X2,5	gy	1008	27,1	1800	dr.
030167	50X2,5	gy	1200	32,4	2200	dr.
030570	61X2,5	gy	1464	34,4	2553	dr.
031214	03X4	gy	115,2	10,6	235	dr.
030546	04X4	gy	154	10,8	299	dr., c. 100, c. 50
030593	05X4	gy	192	11,9	363	dr., c. 50, c. 100
030597	07X4	gy	269	14,4	488	dr., c. 50
031215	03X6	gy	172,8	12,2	415	dr.
030602	04X6	gy	230	13	480	dr., c. 100, c. 50
030594	05X6	gy	288	14,9	583	dr.
030598	07X6	gy	403	16,2	782	dr.
032316	19X6	gy	1094	26,7	1600	dr.
031216	03X10	gy	288	15,8	682	dr.
030590	04X10	gy	384	16,2	737	dr.
030595	05X10	gy	480	18,8	914	dr.
030607	07X10	gy	672	20,4	1191	dr.
034556	03X16	gy	461	18	827	dr.
030591	04X16	gy	614	19,8	1087	dr.
030596	05X16	gy	768	22,5	1370	dr.
030732	07X16	gy	1075	24,1	1779	dr.
030600	04X25	gy	960	23,4	1582	dr.

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YSLY-JZ



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030608	05X25	gy	1200	27	1998	dr.
030601	04X35	gy	1344	28,1	2106	dr.
030606	05X35	gy	1680	30,6	2485	dr.
031704	03X50	gy	1440	27,9	2550	dr.
030592	04X50	gy	1920	34,9	2943	dr.

YSLY-JB



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI1
sheathing material	PVC TM2
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 D _A
bending radius, moved application	15 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
core identification	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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030865	03X0,5	gy	14,4	5,7	47	dr., c. 100, c. 50
030866	04X0,5	gy	19,2	6,1	58	dr., c. 100
030867	05X0,5	gy	24	6,6	75	dr., c. 100, c. 50
030612	03X0,75	gy	22	6,1	66	dr., c. 100, c. 50
030616	04X0,75	gy	29	6,6	78	dr., c. 100, c. 50

YSLY-JB

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030620	05X0,75	gy	36	7,2	91	dr., c. 100, c. 50
030613	03X1	gy	29	6,5	68	dr., c. 100, c. 50
030617	04X1	gy	38,4	7,1	85	dr., c. 100, c. 50
030621	05X1	gy	48	7,8	110	dr., c. 100, c. 50
030614	03X1,5	gy	43,2	7,4	95	dr., c. 100, c. 50
030618	04X1,5	gy	58	8,1	117	dr., c. 100, c. 50
030622	05X1,5	gy	72	9,1	152	dr., c. 100, c. 50
030615	03X2,5	gy	72	9,2	148	dr., c. 100, c. 50
030619	04X2,5	gy	96	10,2	236	dr., c. 100, c. 50
030623	05X2,5	gy	120	11,2	263	dr., c. 100, c. 50
031218	03X4	gy	115,2	10,6	235	dr.
030695	04X4	gy	154	10,8	299	dr.
030694	05X4	gy	192	11,9	363	dr.
030783	04X6	gy	230	13	480	dr.
030693	05X6	gy	288	14,9	583	dr.
030784	04X10	gy	384	16,2	737	dr.
031223	05X10	gy	480	18,8	914	dr.
034220	07X10	gy	672	23	1082	dr.
030785	04X16	gy	614	19,8	1087	dr.
031222	05X16	gy	768	22,5	1370	dr.
030692	04X25	gy	960	23,4	1582	dr.
031221	05X25	gy	1200	27	1998	dr.
030786	04X35	gy	1344	28,1	2106	dr.
031220	05X35	gy	1680	30,6	2485	dr.
030787	04X50	gy	1920	34,9	2943	dr.
030788	04X70	gy	2688	36	4050	dr.
031339	04X95	gy	3648	41,4	5626	dr.
031340	04X120	gy	4608	51	6994	dr.
034231	04X150	gy	5760	58,9	7570	dr.
034232	04X185	gy	7104	65,8	9102	dr.

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Technical Appendix

YSLY-OZ



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI1
sheathing material	PVC TM2
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 D _A
bending radius, moved application	15 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	no
core identification	numbers

Application:

Flexible power, process control and instrumentation cable for industry and mechanical engineering. The cable is resistant against most usual chemicals, oil and grease.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030642	02X0,5	gy	9,6	5,4	40	dr., c. 100
030868	03X0,5	gy	14,4	5,7	47	dr., c. 100, c. 50
030869	04X0,5	gy	19,2	6,1	58	dr., c. 100, c. 50
030870	05X0,5	gy	24	6,6	75	dr., c. 100, c. 50
030871	07X0,5	gy	33,6	7	93	dr.
030103	02X0,75	gy	15	5,8	56	dr., c. 100, c. 50
030547	03X0,75	gy	22	6,1	66	dr., c. 100, c. 50
030548	04X0,75	gy	29	6,6	78	dr., c. 100
030549	05X0,75	gy	36	7,2	91	dr., c. 100
030633	07X0,75	gy	50,4	7,7	124	dr.
030168	02X1	gy	19,2	6,2	57	dr., c. 100, c. 50
030624	03X1	gy	29	6,5	68	dr., c. 100, c. 50
030627	04X1	gy	38,4	7,1	85	dr., c. 100, c. 50
030630	05X1	gy	48	7,8	110	dr., c. 100, c. 50
030634	07X1	gy	67	8,3	148	dr.
030140	02X1,5	gy	29	7	78	dr., c. 100, c. 50
030625	03X1,5	gy	43,2	7,4	95	dr., c. 100, c. 50
030628	04X1,5	gy	58	8,1	117	dr., c. 100, c. 50
030631	05X1,5	gy	72	9,1	152	dr., c. 100, c. 50
030635	07X1,5	gy	101	10	192	dr.
031150	02X2,5	gy	48	8,7	115	dr., c. 100, c. 50
030626	03X2,5	gy	72	9,2	148	dr., c. 100
030629	04X2,5	gy	96	10,2	236	dr.
030632	05X2,5	gy	120	11,2	263	dr.

YSLY-0B

Application:

Flexible power, process control and instrumentation cable for industry and mechanical engineering. The cable is resistant against most usual chemicals, oil and grease.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI1
sheathing material	PVC TM2
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 D _A
bending radius, moved application	15 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	no
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031017	02X0,5	gy	9,6	5,4	40	dr.
031013	03X0,5	gy	14,4	5,7	47	dr., c. 100
030637	02X0,75	gy	15	5,8	56	dr., c. 100, c. 50
031314	03X0,75	gy	22	6,1	66	dr., c. 100
033440	04X0,75	gy	29	6,6	67,28	dr.
030638	02X1	gy	19,2	6,2	57	dr., c. 100
031426	03X1	gy	29	6,5	68	dr.
030639	02X1,5	gy	29	7	78	dr., c. 100
031427	03X1,5	gy	43,2	7,4	95	dr.

YSLYCY-JZ



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
screen coverage	70 %
sheathing material	PVC TM2
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 D _A
bending radius, moved application	20 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
core identification	gn-ye + 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 most usual chemicals, oil and grease.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030421	03X0,75	gy	69,2	8,2	145	dr.
030422	04X0,75	gy	87	8,8	163	dr., c. 100
030436	05X0,75	gy	95,1	9,4	183	dr.
030423	07X0,75	gy	111	9,9	233	dr.
030437	12X0,75	gy	180,2	12,5	384	dr.
030438	18X0,75	gy	243	14,1	492	dr.
030439	25X0,75	gy	312	16,6	671	dr.
030440	34X0,75	gy	413	18,5	822	dr., c. 100
030532	42X0,75	gy	445	20	1002	dr.
030562	50X0,75	gy	535	21,6	1154	dr.
030577	61X0,75	gy	619,8	23,8	1435	dr.
030424	03X1	gy	77	8,8	156	dr.
030425	04X1	gy	97	9,3	178	dr.
030443	05X1	gy	108	9,9	209	dr., c. 100
030444	07X1	gy	128,3	10,5	255	dr., c. 100
030445	12X1	gy	210	13,3	426	dr.
030446	18X1	gy	286	15,3	552	dr.
030447	25X1	gy	388,5	18,1	766	dr.
030448	34X1	gy	505	20,2	973	dr., c. 100
030533	42X1	gy	578	21,5	1110	dr.
030449	50X1	gy	688	23,5	1322	dr.
030563	61X1	gy	770	25	1596	dr.
030426	03X1,5	gy	102	9,6	200	dr., c. 100
030427	04X1,5	gy	117	10,3	247	dr., c. 100
030420	05X1,5	gy	146	11	304	dr., c. 100, c. 50
034516	06X1,5	gy	134	11,2	337	dr.
030428	07X1,5	gy	196	11,7	393	dr.
030451	12X1,5	gy	280	15,2	615	dr.
030429	18X1,5	gy	389	17,6	793	dr.
030430	25X1,5	gy	535	20,9	1116	dr.
030452	34X1,5	gy	702	23,3	1376	dr.
030453	42X1,5	gy	845	24,6	1596	dr.
030454	50X1,5	gy	1006	27,1	1881	dr.
030578	61X1,5	gy	1075	28,5	2246	dr.
030431	03X2,5	gy	148	11,3	211	dr.
030733	04X2,5	gy	171,5	12,5	298	dr., c. 50
030534	05X2,5	gy	213	13,4	326	dr.

YSLYCY-JZ

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030535	07X2,5	gy	288	14,6	498	dr.
030579	12X2,5	gy	477,3	18,8	796	dr., c. 100
030581	18X2,5	gy	572	21,9	1080	dr.
035255	25X2,5	gy	780	27,5	1320	dr.
031319	04X4	gy	290	12,7	351	dr.
031312	05X4	gy	328	13,9	480	dr.
034517	03X6	gy	240	19,7	415	dr.
031336	04X6	gy	360	15,7	553	dr.
031344	05X6	gy	441	16,1	600	dr.
035059	03X10	gy	371	17,8	628	dr.
031335	04X10	gy	535	19,2	901	dr.
031345	05X10	gy	714	22,9	1048	dr.
031320	04X16	gy	910	22,5	1122	dr.
031346	05X16	gy	1050	25,6	1402	dr.
031347	04X25	gy	1310	26,4	1699	dr.
031348	05X25	gy	1486	36,2	2124	dr.


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Technical Appendix

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.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
screen coverage	70 %
sheathing material	PVC TM2
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 D _A
bending radius, moved application	20 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	no
core identification	numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031341	02X0,75	gy	61,3	8	108	dr., c. 100
031599	03X0,75	gy	69,2	8,2	145	dr.
035172	04X0,75	gy	87	8,8	163	dr.
035173	05X0,75	gy	95,1	9,4	183	dr.

YSLYCY-OZ



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031342	02X1	gy	66,5	8,6	143	dr., c. 100
031746	03X1	gy	77	8,8	156	dr.
035174	05X1	gy	108	9,9	209	dr.
035175	07X1	gy	128,3	10,5	255	dr.
035176	12X1	gy	210	13,3	426	dr.
035177	25X1	gy	388,5	18,1	766	dr.
035178	34X1	gy	505	20,2	973	dr.
031343	02X1,5	gy	86,4	9,2	189	dr., c. 100
031916	03X1,5	gy	102	8,7	200	dr.
035179	04X2,5	gy	171,5	12,5	298	dr.
035180	04X4	gy	290	12,7	351	dr.

YSLYCY-JB



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
screen coverage	70 %
sheathing material	PVC TM2
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 D _A
bending radius, moved application	20 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
core identification	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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031669	04X4	gy	290	12,7	320	dr.
031670	04X6	gy	360	15,7	470	dr.
031671	04X10	gy	535	19,2	740	dr.
031672	04X16	gy	910	22,5	1450	dr.

YSLYCY-JB

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031673	04X25	gy	1310	34,1	1520	dr.
031674	04X35	gy	1693	35,6	2010	dr.
031675	04X50	gy	2342	41,1	2840	dr.
031586	04X70	gy	3090	42,9	3880	dr.
031587	04X95	gy	4060	44,7	5070	dr.
031676	04X120	gy	5299	49,2	6430	dr.


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Application:

Flexible power, process control and instrumentation cable for industry and machinery environment. The cable is resistant against most usual chemicals, oil and grease.

standard	VDE 0281-13
conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
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
bending radius, fixed installation	4 x D _A
bending radius, moved application	12,5 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
core identification	gn-ye + numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031493	03X0,75	gy	21,6	7,2	61	dr., c. 100, c. 50
031494	04X0,75	gy	28,8	7,8	75	dr., c. 100
031495	05X0,75	gy	36	9	100	dr., c. 100
031496	07X0,75	gy	50,4	10,5	141	dr.

H05VV5-F



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031498	12X0,75	gy	86,4	13	214	dr., c. 100
031500	18X0,75	gy	129,6	15,1	306	dr.
031501	25X0,75	gy	180	18,6	427	dr.
031503	34X0,75	gy	244,8	21,3	590	dr.
031509	03X1	gy	28,8	7,4	71	dr., c. 100
031510	04X1	gy	38,4	8	89	dr., c. 100
031511	05X1	gy	48	9,2	116	dr., c. 100
031512	07X1	gy	67,2	10,8	166	dr.
031514	12X1	gy	115,2	13,4	251	dr.
031516	18X1	gy	172,8	16,2	385	dr.
031517	25X1	gy	240	19,8	534	dr.
031519	34X1	gy	326,4	22	700	dr.
031525	03X1,5	gy	43,2	8	92	dr., c. 100, c. 50
031526	04X1,5	gy	57,6	9,2	125	dr., c. 100
031527	05X1,5	gy	72	10	155	dr., c. 100
031528	07X1,5	gy	100,8	12,2	227	dr.
031530	12X1,5	gy	172,8	14,6	330	dr., c. 100
031532	18X1,5	gy	259,2	17,7	506	dr.
031533	25X1,5	gy	360	21,6	700	dr.
031534	32X1,5	gy	460,8	23,2	865	dr.
031535	34X1,5	gy	489,6	24,1	920	dr.
031536	42X1,5	gy	604,8	26,4	1120	dr.
031537	50X1,5	gy	720	28,8	1320	dr.
031540	03X2,5	gy	72	9,7	146	dr., c. 100
031541	04X2,5	gy	96	11	196	dr., c. 100
031542	05X2,5	gy	120	12,1	235	dr., c. 100
031543	07X2,5	gy	168	14,2	343	dr.
031544	12X2,5	gy	288	17,7	535	dr.
031545	18X2,5	gy	432	21,3	800	dr.
031546	25X2,5	gy	600	25,9	1100	dr.

H05VVC4V5-K

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.

standard	VDE 0281-13
conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
screen coverage	70 %
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
bending radius, fixed installation	6 x D _A
bending radius, moved application	20 x D _A
transfer impedance	250 Ohm/km
nominal voltage U₀	300 V
nominal voltage U	500 V
core identification	gn-ye + numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031453	03X0,75	gy	55	9,1	125	dr.
031454	04X0,75	gy	67	10,3	150	dr.
031455	05X0,75	gy	79	11	180	dr.
031456	07X0,75	gy	109	12,4	230	dr.
031457	12X0,75	gy	184,5	15,2	310	dr.
031458	18X0,75	gy	257,3	18,2	470	dr.
031459	25X0,75	gy	318,6	21,5	640	dr.
031460	03X1	gy	75	9,6	140	dr., c. 100
031461	04X1	gy	86	10,7	170	dr.
031462	05X1	gy	102	11,4	200	dr.
031463	07X1	gy	127	12,9	230	dr.
031464	12X1	gy	198	16,9	410	dr.
031465	18X1	gy	303,6	19,4	550	dr.
031466	25X1	gy	411,9	22,8	735	dr.
031467	03X1,5	gy	95	10,7	180	dr.
031468	04X1,5	gy	116	11,5	200	dr.
031469	05X1,5	gy	130	12,1	235	dr.
031470	07X1,5	gy	218	14,1	330	dr.
031471	12X1,5	gy	309,7	18	470	dr.
031472	18X1,5	gy	411,4	20,8	680	dr.
031473	25X1,5	gy	546,5	25	930	dr.
031741	34X1,5	gy	754	26,3	1353	dr.
031474	03X2,5	gy	148	12	240	dr.
031475	04X2,5	gy	163	13,1	290	dr.
031476	05X2,5	gy	200	14,2	340	dr.
031477	07X2,5	gy	288,9	16,3	465	dr.
034737	12X2,5	gy	517	24,3	748	dr.
034738	18X2,5	gy	598	25,6	1051	dr.
034739	25X2,5	gy	897	29,3	1380	dr.

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YSLCY-JZ



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
screen coverage	70 %
sheathing material	PVC
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 D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	yes
core identification	gn-ye + 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033268	03X0,5	gy	43	6,1	57	dr.
033270	05X0,5	gy	57	7,1	86	dr.
033293	03X0,75	gy	50	6,5	69	dr.
033294	04X0,75	gy	61	7,1	88	dr.
033295	05X0,75	gy	72	7,8	120	dr.
033297	07X0,75	gy	98	8,6	153	dr.
033300	12X0,75	gy	151	11,1	220	dr.
033303	18X0,75	gy	211	12,9	306	dr.
033308	25X0,75	gy	280	15,6	431	dr.
033317	50X0,75	gy	480	20,8	777	dr.
032857	03X1	gy	76	7,4	100	dr.
033322	04X1	gy	80	7,6	117	dr.
032133	05X1	gy	92	7,8	127	dr.
033326	12X1	gy	186	12,4	275	dr.
032135	18X1	gy	271	13,9	380	dr.
033332	25X1	gy	360	18	607	dr.
033336	34X1	gy	454	20,6	746	dr.
033345	03X1,5	gy	90	7,7	115	dr.
033346	04X1,5	gy	110	8,3	149	dr.
032876	05X1,5	gy	125	9,4	180	dr.
033347	07X1,5	gy	152	10,7	230	dr.
033350	12X1,5	gy	268	13,5	354	dr.
033266	18X1,5	gy	373	15,8	523	dr.
033357	25X1,5	gy	530	20,3	722	dr.
033371	03X2,5	gy	148	9,1	180	dr.
033372	04X2,5	gy	174	10,2	220	dr.
032136	05X2,5	gy	203	10,9	270	dr.
033373	07X2,5	gy	253	13,7	342	dr.
033375	12X2,5	gy	441	18,2	580	dr.
033376	18X2,5	gy	570	18,9	879	dr.
033379	04X4	gy	248	12,9	306	dr.
032137	05X4	gy	331	13,2	370	dr.
033383	04X6	gy	343	14,7	422	dr.
033384	05X6	gy	441	16,4	506	dr.
033388	04X10	gy	535	18,9	731	dr.
033389	05X10	gy	714	20,7	853	dr.
033391	04X16	gy	809	20,8	993	dr.

YSLCY-JZ

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033392	05X16	gy	1050	22,9	1295	dr.
033393	04X25	gy	1165	26,2	1570	dr.
033394	05X25	gy	1440	29,4	1965	dr.
033395	04X35	gy	1576	30,4	2070	dr.
033396	05X35	gy	1930	33,8	2690	dr.
033397	04X50	gy	2155	34,6	3015	dr.

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LAN cables

Conductor ropes

Technical Appendix

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.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
screen coverage	70 %
sheathing material	PVC
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 D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2 kV
protective conductor	no
core identification	numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033267	02X0,5	gy	36	5,7	45	dr.
032097	02X0,75	gy	43	6,2	57	dr.
033321	02X1	gy	55	6,7	76	dr.
033344	02X1,5	gy	65	7,3	93	dr.
033370	02X2,5	gy	98	8,3	141	dr.

YSLY-JZ 600



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
sheathing material	special PVC-compound
flame retardant	VDE 0482-332-1-2/IEC 60332-1
oil resistant	EN 60811-2-1
for outdoor use	yes
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-20 - +70 °C
temperature, moved/ during installation	-5 - +70 °C
bending radius, fixed installation	4 x D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	600 V
nominal voltage U	1000 V
test voltage	4 kV
protective conductor	yes
core identification	gn-ye + 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033581	03X0,75	bk	22	8,7	91	dr.
033582	04X0,75	bk	29	9,2	120	dr.
033583	05X0,75	bk	36	9,9	134	dr.
033585	07X0,75	bk	50,4	11,1	177	dr.
033589	12X0,75	bk	86,4	13,4	248	dr.
033592	18X0,75	bk	130	15,6	350	dr.
033595	25X0,75	bk	180	18,9	478	dr.
033597	34X0,75	bk	245	21,5	626	dr.
033601	42X0,75	bk	302,4	23,3	760	dr.
033602	50X0,75	bk	360	25,6	871	dr.
033603	61X0,75	bk	439,2	28,2	1060	dr.
033608	03X1	bk	29	9	98	dr.
033609	04X1	bk	38,4	9,6	110	dr.
033610	05X1	bk	48	10,4	136	dr.
033611	06X1	bk	58	11,1	148	dr.
033612	07X1	bk	67,2	12,1	179	dr.
033616	12X1	bk	115,2	14,5	287	dr.
033619	18X1	bk	173	17,3	408	dr.
033623	25X1	bk	240	21,1	567	dr.
033626	34X1	bk	326,4	24	751	dr.
033632	42X1	bk	403,2	25,9	890	dr.
033633	50X1	bk	480	28,5	1076	dr.
033640	03X1,5	bk	43,2	10,1	122	dr.
033641	04X1,5	bk	58	10,8	150	dr.
033477	05X1,5	bk	72	11,7	176	dr.
032045	07X1,5	bk	101	13,5	192	dr.
033647	12X1,5	bk	173	16,6	363	dr.
031832	18X1,5	bk	259,2	19,7	520	dr.
033653	25X1,5	bk	360	23,9	740	dr.
033655	34X1,5	bk	490	27,2	959	dr.
033657	42X1,5	bk	605	29,5	1110	dr.
033658	50X1,5	bk	720	32,5	1399	dr.
033660	61X1,5	bk	878,4	36,8	1680	dr.
033665	03X2,5	bk	72	11,3	176	dr.
033666	04X2,5	bk	96	12,2	209	dr.

YSLY-JZ 600

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033478	05X2,5	bk	120	13,3	252	dr.
033667	07X2,5	bk	168	15,2	335	dr.
033669	12X2,5	bk	288	18,7	544	dr.
033671	18X2,5	bk	432	22	788	dr.
033680	03X4	bk	115,2	12,6	225	dr.
033681	04X4	bk	154	14	311	dr.
033682	05X4	bk	192	15,3	398	dr.
033683	07X4	bk	269	16,8	524	dr.
033687	04X6	bk	230,4	15,7	429	dr.
033688	05X6	bk	288	17,9	602	dr.
033689	07X6	bk	403,2	19,7	802	dr.
033691	04X10	bk	384	19,5	759	dr.
033692	05X10	bk	480	23	927	dr.
033695	04X16	bk	614,4	21,9	1093	dr.
033479	05X16	bk	768	27	1583	dr.
033698	04X25	bk	960	30	1593	dr.
033699	05X25	bk	1200	33,8	2040	dr.
033702	04X35	bk	1344	33	2390	dr.
033703	05X35	bk	1680	36,9	2887	dr.
033705	04X50	bk	1920	40	3400	dr.
033708	04X70	bk	2736	46	4750	dr.
033710	03X95	bk	2736	41,2	5050	dr.

Power cables
1 up to 30 kV

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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. For indoor and outdoor application.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
screen coverage	70 %
sheathing material	special PVC-compound
flame retardant	VDE 0482-332-1-2/IEC 60332-1
oil resistant	EN 60811-2-1
for outdoor use	yes
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 D _A
bending radius, moved application	10 x D _A
nominal voltage U₀	600 V
nominal voltage U	1000 V
test voltage	4 kV
core identification	gn-ye + numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032061	03X0,75	bk	57	9	155	dr.
033195	04X0,75	bk	68	11,4	214	dr.
033196	05X0,75	bk	79	12,1	250	dr.

YSLYCY-JZ 600



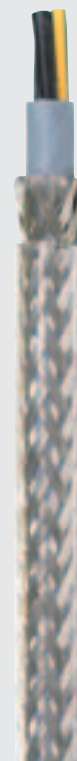
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033197	07X0,75	bk	97	13	319	dr.
033198	12X0,75	bk	169	15,8	437	dr.
033199	18X0,75	bk	229	18	588	dr.
033741	25X0,75	bk	296	22,8	746	dr.
033166	03X1	bk	67	11,2	196	dr.
033167	04X1	bk	97	11,8	231	dr.
033168	05X1	bk	94	12,6	270	dr.
032846	07X1	bk	122	14,5	289	dr.
033169	12X1	bk	204	17,4	493	dr.
033170	18X1	bk	280	20,7	658	dr.
033171	25X1	bk	369	24,8	870	dr.
032626	03X1,5	bk	87	10,9	187	dr.
033173	04X1,5	bk	104	12,2	265	dr.
032875	05X1,5	bk	125	13,3	289	dr.
034546	06X1,5	bk	165		357	dr.
033174	07X1,5	bk	180	16	416	dr.
034515	09X1,5	bk	224		482	dr.
033175	12X1,5	bk	284	19,6	641	dr.
033176	18X1,5	bk	391	23,4	872	dr.
033177	25X1,5	bk	521	28,2	1211	dr.
033179	03X2,5	bk	124	13,5	326	dr.
033180	04X2,5	bk	170	14,6	379	dr.
033181	05X2,5	bk	204	15,7	471	dr.
033182	07X2,5	bk	268	17,9	590	dr.
033183	12X2,5	bk	423	21,9	897	dr.
033184	18X2,5	bk	572	26,1	1355	dr.
033185	25X2,5	bk	740	31,9	1995	dr.
033201	03X4	bk	191	15,1	391	dr.
033202	04X4	bk	238	16,7	557	dr.
033203	05X4	bk	303	18,6	695	dr.
033204	04X6	bk	319	18,7	723	dr.
033205	05X6	bk	421	20,7	984	dr.
033209	04X10	bk	576	21,9	1267	dr.
033210	05X10	bk	620	24,1	1635	dr.
033218	04X16	bk	809	26,4	1763	dr.
033219	05X16	bk	1050	28,8	2720	dr.
033222	04X25	bk	1169	32,5	2750	dr.
033223	05X25	bk	1486	35,7	3490	dr.
033226	04X50	bk	2374	41,1	4937	dr.
033229	04X35	bk	1686	35,7	3497	dr.
033232	04X70	bk	3261	48	7480	dr.
033235	04X95	bk	4055	51,2	10220	dr.

YSLYSY-JZ

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.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
sheathing material	PVC TM2
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 D _A
bending radius, moved application	20 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	3000 V
core identification	gn-ye + numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033035	03X0,75	TR	22	8,5	110	dr.
031897	04X0,75	TR	28,8	8,7	126	dr.
033036	05X0,75	TR	36	10,9	164	dr.
033037	07X0,75	TR	50,4	11,5	195	dr.
032026	12X0,75	TR	86	15,3	292	dr.
033042	18X0,75	TR	130	17,5	378	dr.
033044	25X0,75	TR	180	20,3	523	dr.
033051	03X1	TR	29	9,8	131	dr.
033052	04X1	TR	38,4	10,2	161	dr.
031606	05X1	TR	48	11,1	164	dr.
033054	07X1	TR	67	12,1	220	dr.
033057	12X1	TR	115,2	15,6	347	dr.
033059	18X1	TR	173	18,3	426	dr.
033061	25X1	TR	240	21,6	616	dr.
033062	34X1	TR	326,4	24	804	dr.
031984	03X1,5	TR	43	10,1	102	dr.
031604	04X1,5	TR	58	0	173	dr.
031605	05X1,5	TR	72	10,8	202	dr.
031710	07X1,5	TR	101	12,5	248	dr.
031607	12X1,5	TR	173	17,1	396	dr.
033077	18X1,5	TR	259,2	20,5	605	dr.
032634	25X1,5	TR	360	20,9	752	dr.
033079	34X1,5	TR	490	26,7	1038	dr.
033086	03X2,5	TR	72	11,5	226	dr.
031445	04X2,5	TR	96	11,9	249	dr.
033087	05X2,5	TR	120	13,7	324	dr.
031444	04X4	TR	153,6	13,9	348	dr.
033098	05X4	TR	192	16,3	470	dr.
033101	04X6	TR	230,4	17,1	531	dr.
033102	05X6	TR	288	18,8	631	dr.
033104	04X10	TR	384	20,9	837	dr.
033105	05X10	TR	480	23	993	dr.
033107	04X16	TR	614	26,9	1396	dr.
033108	05X16	TR	768	25,5	1740	dr.
033110	04X25	TR	960	32	1983	dr.
033111	05X25	TR	1200	37	2423	dr.

YSLYSY-OZ



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
sheathing material	PVC TM2
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 D _A
bending radius, moved application	20 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	3000 V
core identification	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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033014	02X0,5	TR	10	8,3	89	dr.
033034	02X0,75	TR	14,4	8,4	104	dr.
033050	02X1	TR	19,2	9,1	115	dr.
032650	02X1,5	TR	29	9,5	149	dr.
033085	02X2,5	TR	48	11	200	dr.

HSLH-JZ



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	FRNC-compound HI2
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/ during installation	-5 - +70 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
protective conductor	yes
core identification	gn-ye + numbers

Application:

Halogen free and LSOH control cable for multiple purposes in control and measurement circuits with increased requirements to electromagnetic compatibility.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031620	03X0,75	gy	22	6	66	dr., c. 100, c. 50
031621	04X0,75	gy	29	6,5	78	dr., c. 100, c. 50
031622	05X0,75	gy	36	7	91	dr., c. 100, c. 50
031623	07X0,75	gy	50,4	7,5	124	dr., c. 100, c. 50
031624	12X0,75	gy	86,4	10,2	191	dr., c. 100
031625	18X0,75	gy	130	11,9	283	dr., c. 100, c. 50
031626	25X0,75	gy	180	14,6	388	dr., c. 100
031627	03X1	gy	29	6,4	68	dr., c. 100, c. 50
031628	04X1	gy	38,4	7	85	dr., c. 100, c. 50

HSLH-JZ

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031629	05X1	gy	48	7,8	110	dr., c. 100, c. 50
031630	07X1	gy	67	8,1	148	dr., c. 100, c. 50
031631	12X1	gy	115,2	11,1	232	dr., c. 100, c. 50
031633	25X1	gy	240	16,2	531	dr., c. 100, c. 50
031634	03X1,5	gy	43,2	7,3	95	dr., c. 100, c. 50
031635	04X1,5	gy	58	7,8	117	dr., c. 100, c. 50
031636	05X1,5	gy	72	8,9	152	dr., c. 100, c. 50
031637	07X1,5	gy	101	9,8	192	dr., c. 100, c. 50
031638	12X1,5	gy	173	13,2	312	dr., c. 100, c. 50
031639	18X1,5	gy	259,2	15,9	456	dr., c. 100, c. 50
031640	25X1,5	gy	360	19,2	638	dr., c. 100, c. 50
031648	03X2,5	gy	72	9	148	dr., c. 100, c. 50
031649	04X2,5	gy	96	10	236	dr., c. 100, c. 50
031650	05X2,5	gy	120	11	263	dr., c. 100, c. 50
031651	07X2,5	gy	168	12,7	298	dr., c. 100
032973	08X2,5	gy	192	13,2	378	dr.
031645	12X2,5	gy	288	16,5	522	dr., c. 100
031647	25X2,5	gy	600	23,8	1024	dr.
032977	30X2,5	gy	720	23,7	1280	dr.
032654	04X4	gy	154	11,7	305	dr.
031661	05X4	gy	192	13,2	363	dr.
032655	04X6	gy	230,4	14,1	465	dr.
031662	05X6	gy	288	16,5	583	dr.
032990	04X10	gy	384	18	746	dr.
032991	05X10	gy	480	19,8	917	dr.
032995	04X16	gy	614	20,6	1089	dr.
032996	05X16	gy	768	23,5	1285	dr.
031663	04X25	gy	960	26	1582	dr.
032999	05X25	gy	1200	30,8	1920	dr.
033001	04X35	gy	1344	33,7	1980	dr.
033002	05X35	gy	1680	37,7	2765	dr.
033004	04X50	gy	1920	38	2824	dr.
033005	05X50	gy	2400	42,1	4133	dr.
033007	04X70	gy	2688	44,2	4295	dr.
033010	04X95	gy	3648	51,2	5817	dr.
033013	04X120	gy	4608	54,8	7350	dr.

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HSLH-OZ



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	FRNC-compound HI2
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/ during installation	-5 - +70 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
protective conductor	no
core identification	numbers

Application:

Halogen free and LSOH control cable for multiple purposes in control and measurement circuits with increased requirements to electromagnetic compatibility.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
034935	02X0,5	gy	9,6	5,1	38	dr.
032885	02X0,75	gy	14,4	5,5	33	dr.
032952	02X1	gy	19,2	5,7	58	dr.
032963	02X1,5	gy	29	6,3	87	dr.
032939	02X2,5	gy	48	7,7	124	dr.



HSLCH-JZ



conductor material	bare copper strand
conductor construction	fine stranded, class 5
insulation	FRNC-compound HI2
screen coverage	70 %
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/ during installation	-5 - +70 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
protective conductor	yes
core identification	gn-ye + numbers

Application:

LSOH control cable for multiple purposes in control and measurement circuits with increased requirements to electromagnetic compatibility. For indoor use only.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032749	03X0,75	gy	58	6,7	70	dr.
032750	04X0,75	gy	64	8	80	dr.
032751	05X0,75	gy	77,4	8,3	100	dr.
032752	07X0,75	gy	102	9,5	133	dr.
032753	12X0,75	gy	177	11,3	203	dr.
032159	18X0,75	gy	245	14,8	284	dr.
032160	25X0,75	gy	276	15,8	380	dr.



HSLCH-JZ

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032755	03X1	gy	65,3	6,9	80	dr.
032756	04X1	gy	78,1	7,5	98	dr.
032757	05X1	gy	91	8,5	121	dr.
032758	07X1	gy	117	9,9	160	dr.
032759	12X1	gy	188	11,7	245	dr.
032760	18X1	gy	286	13,9	376	dr.
032761	25X1	gy	389	16,4	502	dr.
031889	03X1,5	gy	77	7,5	119	dr.
031867	04X1,5	gy	96,2	8,2	125	dr.
031860	05X1,5	gy	125	8,9	182	dr.
031890	07X1,5	gy	159	11,3	232	dr.
031891	12X1,5	gy	254,5	13	360	dr.
031892	18X1,5	gy	367,7	15,6	507	dr.
031893	25X1,5	gy	492,4	19,1	694	dr.
032763	03X2,5	gy	149	9,5	160	dr.
031819	04X2,5	gy	174,2	10	194	dr.
031852	05X2,5	gy	200,8	11,5	386	dr.
031854	07X2,5	gy	288	13,8	498	dr.
031973	12X2,5	gy	441	18,2	796	dr.
032765	03X4	gy	178,1	10,7	249	dr.
031843	04X4	gy	248	11,9	288	dr.
032161	05X4	gy	328	13,1	337	dr.
032766	07X4	gy	388	15,1	488	dr.
032768	03X6	gy	280	12,5	347	dr.
031856	04X6	gy	362	14,2	399	dr.
031853	05X6	gy	453	16,2	770	dr.
032769	07X6	gy	542	19,2	670	dr.
031820	04X10	gy	558	17,8	698	dr.
032772	05X10	gy	640	19,6	828	dr.
031857	04X16	gy	910	20,8	987	dr.
032774	05X16	gy	1051	22,9	1207	dr.
031858	04X25	gy	1289	26,2	1592	dr.
032777	05X25	gy	1486	29,4	2002	dr.
032040	04X35	gy	1690	33,5	2380	dr.
032779	05X35	gy	2015	33,8	2664	dr.
032129	04X50	gy	2325	39,2	3003	dr.
032781	05X50	gy	2781	43,3	3882	dr.
032656	04X70	gy	3089	45,3	4939	dr.
032783	05X70	gy	3696	49,6	6572	dr.
032657	04X95	gy	4013	52,4	6690	dr.
032785	05X95	gy	5016	57,5	8370	dr.
032787	04X120	gy	5067	56,1	8453	dr.

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Technical Appendix

HSLCH-OZ



conductor material	bare copper strand
conductor construction	fine stranded, class 5
insulation	FRNC-compound HI2
screen coverage	70 %
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/during installation	-5 - +70 °C
nominal voltage U₀	300 V
nominal voltage U	500 V
protective conductor	no
core identification	numbers

Application:

LSOH control cable for multiple purposes in control and measurement circuits with increased requirements to electromagnetic compatibility. For indoor use only.



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032740	02X0,5	gy	35	5,8	47	dr.
032748	02X0,75	gy	45	6,4	58	dr.
032754	02X1	gy	50	6,6	64	dr.
031888	02X1,5	gy	63,3	8,2	97	dr.
032762	02X2,5	gy	98	8,5	132	dr.
032764	02X4	gy	163	10	209	dr.
032767	02X6	gy	200	11,9	278	dr.
032770	02X10	gy	328	14,9	434	dr.

2YSL(St)CYv

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.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	polyethylene
screen coverage	75 %
sheathing material	PVC, enforced
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
bending radius, fixed installation	10 x D _A
bending radius, moved application	25 x D _A
transfer impedance	250 Ohm/km
nominal voltage U₀	600 V
nominal voltage U	1000 V
maximum permitted operating voltage in 3-phase systems	1,7 kV
test voltage	3 kV
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031719	04X1,5	bk	95	10,4	154	dr., c. 50
031720	04X2,5	bk	150	12,3	229	dr.
031721	04X4	bk	235	14,5	339	dr.
031712	04X6	bk	320	16,8	451	dr.
031722	04X10	bk	533	19,7	667	dr.
031723	04X16	bk	789	22	892	dr.
031724	04X25	bk	1236	27	1440	dr.
031713	04X35	bk	1663	30,3	1861	dr.
031725	04X50	bk	2345	35	2547	dr.
031727	04X70	bk	3196	39,4	3404	dr.
031714	04X95	bk	4316	46	4888	dr.
031728	04X120	bk	5435	51,4	5703	dr.
031715	04X150	bk	6394	58,8	7040	dr.
031729	04X185	bk	8203	61,1	9150	dr.
031730	04X240	bk	11008	70	12500	dr.
031994	3X2,5	bk	144	11,4	220	dr.
031995	3X4+3X0,75	bk	224	13,1	323	dr.
031996	3X6+3X1	bk	298	14,9	420	dr.
031871	3X10+3X1,5	bk	511	18,4	615	dr.
031997	3X16+3X2,5	bk	723	21,6	819	dr.
031870	3X25+3X4	bk	1204	25,3	1402	dr.
031998	3X35+3X6	bk	1535	27,8	1718	dr.
031999	3X50+3X10	bk	2208	32,6	2399	dr.
031869	3X70+3X10	bk	2980	38,9	3173	dr.
032000	3X95+3X16	bk	3953	44,3	4162	dr.
031868	3X120+3X16	bk	5007	46,8	5253	dr.
032001	3X150+3X25	bk	5412	53,5	6128	dr.
032002	3X185+3X35	bk	6969	59,5	7450	dr.
032130	3X240+3X50	bk	9123	70	10800	dr.

H07VVH6-F



standard	VDE 0281-404
conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC TI2
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
protective conductor	yes
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.

p/n	type	colour	CU kg/km	w x h ca. mm	weight ca. kg/km	packaging
031974	04G1,5	bk	58	15 x 5	135	dr.
032153	05G1,5	bk	72	18 x 5	140	dr.
032351	07G1,5	bk	101	27 x 5	260	dr.
032004	08G1,5	bk	115	29 x 5	265	dr.
032352	10G1,5	bk	144	36 x 5	358	dr.
031975	12G1,5	bk	173	41 x 5	442	dr.
031976	14G1,5	bk	202	51 x 5	435	dr.
031977	18G1,5	bk	259	65 x 5	559	dr.
031978	04G2,5	bk	96	18,5 x 5,7	206	dr.
032154	05G2,5	bk	120	22,1 x 5,7	240	dr.
032353	07G2,5	bk	168	33,5 x 5,7	365	dr.
032354	08G2,5	bk	192	37,1 x 5,7	410	dr.
032355	12G2,5	bk	288	50,9 x 5,7	610	dr.
032356	24G2,5	bk	604	59,2 x 5,7	950	dr.
032357	04G4	bk	154	21,5 x 6,9	327	dr.
032358	05G4	bk	192	61,5 x 19,1	402	dr.
032359	07G4	bk	269	37,9 x 6,9	567	dr.
032041	04G6	bk	230	24,5 x 7,6	430	dr.
032301	05G6	bk	288	29,5 x 7,6	525	dr.
032360	07G6	bk	403	41,1 x 7,1	755	dr.
031979	04G10	bk	384	31,1 x 9,6	709	dr.
032302	05G10	bk	480	37,5 x 10,2	935	dr.
032024	04G16	bk	614	35,5 x 10,9	1015	dr.
032361	05G16	bk	768	43,4 x 11,1	1317	dr.
033469	04G25	bk	960	41,5 x 12,7	1367	dr.
032152	04G35	bk	1344	49,1 x 15,7	1920	dr.
034819	04G50	bk	1920	61,5 x 19,1	2822	dr.
034557	04G70	bk	2688	64,1 x 21,1	3817	dr.

FACAB 100 P

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.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	special PVC-compound
sheathing material	polyurethan
oil resistant	EN 60811-2-1
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-40 - +80 °C
temperature, moved/ during installation	-5 - +80 °C
bending radius, fixed installation	4 x D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	3000 V
core identification	gn-ye + numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032800	02X0,75	gy	14,4	5,4	43	dr.
032801	03X0,75	gy	22	5,7	55	dr.
032802	04X0,75	gy	29	6,2	67	dr.
032803	05X0,75	gy	36	6,8	83	dr.
032804	07X0,75	gy	50	8,1	106	dr.
032806	12X0,75	gy	86,4	9,9	181	dr.
032807	18X0,75	gy	130	11,9	255	dr.
032808	25X0,75	gy	180	14,5	325	dr.
032809	34X0,75	gy	245	16,3	473	dr.
034359	42X0,75	gy	302,4	17,7	600	dr.
034360	50X0,75	gy	360	19,4	720	dr.
032811	02X1	gy	19,2	5,7	53	dr.
031717	03X1	gy	29	6	61	c. 100, dr.
032812	04X1	gy	38,4	6,6	85	dr.
032813	07X1	gy	67	8,6	126	dr.
032815	12X1	gy	115,2	10,7	219	dr.
032816	18X1	gy	173	12,9	309	dr.
032817	25X1	gy	240	14,9	414	dr.
032820	02X1,5	gy	29	6,2	77	dr.
032821	03X1,5	gy	43,2	6,6	92	dr.
032822	04X1,5	gy	58	7,2	110	dr.
032823	05X1,5	gy	72	8	132	dr.
032010	07X1,5	gy	101	9,6	159	dr.
032824	12X1,5	gy	173	12	290	dr., c. 100
032825	18X1,5	gy	260	14,1	422	dr.
032826	25X1,5	gy	360	16,8	594	dr.
034374	02X2,5	gy	48	7,8	110	dr.
032829	03X2,5	gy	72	8,3	149	dr.
032830	04X2,5	gy	96	9,2	175	dr.
032831	05X2,5	gy	120	10,1	204	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

FACAB 100 F-CP



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	special PVC-compound
screen coverage	85 %
sheathing material	polyurethan
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 - +80 °C
temperature, moved/ during installation	-5 - +80 °C
bending radius, fixed installation	5 x D _A
bending radius, moved application	10 x D _A
transfer impedance	250 Ohm/km
nominal voltage U₀	500 V
nominal voltage U	300 V
test voltage	3000 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032012	02X1	gy	50	6,1	66	dr.
031990	03X1	gy	77	6,3	82	dr.
031787	04X1	gy	87	6,9	129	dr.
032013	05X1	gy	90	7,5	128	dr.
034559	07X1	gy	112	8,9	174	dr.
032050	12X1	gy	194	10,9	262	dr.
034564	18X1	gy	268	13,9	388	dr.
034565	21X1	gy	278	13,6	480	dr.
034566	25X1	gy	354	15,9	596	dr.
034475	02X1,5	gy	65	7,1	92	dr.
031772	03X1,5	gy	83	6,9	135	dr.
033824	04X1,5	gy	100	7,5	146	dr., c. 100
032049	05X1,5	gy	120	8,4	159	dr.
032044	07X1,5	gy	152	10	207	dr., c. 100
033825	12X1,5	gy	268	12,1	352	dr.
034574	18X1,5	gy	373	15,6	516	dr.
033826	25X1,5	gy	530	17,9	719	dr.
033827	03X2,5	gy	147	8,6	178	dr.
034620	04X2,5	gy	175	9,9	215	dr.
034621	05X2,5	gy	203	11	246	dr.
034622	07X2,5	gy	253	12,6	342	dr.
033828	12X2,5	gy	445	15,5	580	dr.
034624	18X2,5	gy	569	19	978	dr.
033829	25X2,5	gy	827	22,2	1358	dr.
034627	04X4	gy	248	11,7	308	dr.
034628	05X4	gy	300	13,3	386	dr.
034630	03X6	gy	241	12,2	333	dr.
034631	04X6	gy	343	14,2	427	dr.
034632	05X6	gy	418	15,2	510	dr.

Cable for connection of control buttons 05VV2SV

Application:

For the connection of control buttons or as unsupported switch cable for heights up to 50 m. For indoor or outdoor use.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
sheathing material	PVC
flame retardant	VDE 0482-332-1-2/IEC 60332-1
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/during installation	-5 - +70 °C
bending radius, fixed installation	10 x D _A
bending radius, moved application	10 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	2000 V
protective conductor	yes
core identification	gn-ye + numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
034638	12G1	bk	115,2	14,9	427	dr.
031814	18X1	bk	172,8	17,1	528	dr.
031862	25G1	bk	240	21	665	dr.
034639	30G1	bk	288	22	760	dr.
034640	08G1,5	bk	115,2	15	396	dr.
032788	12G1,5	bk	173	16,5	486	dr.
034641	15G1,5	bk	230	18,6	575	dr.
034642	18G1,5	bk	259,2	19,3	640	dr.
034643	20G1,5	bk	288	21	729	dr.
031815	24X1,5	bk	346	22,6	820	dr.

LiYY



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
sheathing material	PVC
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
impedance	85 Ohm
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.



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030174	02X0,14	gy	2,7	3,2	12	dr., c. 100
030175	03X0,14	gy	4,1	3,4	17	dr., c. 100
030395	04X0,14	gy	5,4	3,7	19	dr., c. 100, c. 250
030177	05X0,14	gy	6,8	4	22	dr., c. 100
030178	06X0,14	gy	8,1	4,4	25	dr., c. 100
030179	07X0,14	gy	9,5	4,7	27	dr., c. 100
030180	08X0,14	gy	10,8	5,3	30	dr., c. 100
030181	10X0,14	gy	13,5	5,6	41	dr., c. 100
030182	12X0,14	gy	16,2	5,8	48	dr., c. 100
030183	14X0,14	gy	18,9	6,1	54	dr., c. 100
030184	16X0,14	gy	21,6	6,4	60	dr., c. 100
030575	18X0,14	gy	24,1	6,7	72	dr., c. 100
031374	20X0,14	gy	26,9	7,4	73	dr.
030186	21X0,14	gy	28,4	7,5	77	dr., c. 100
030187	24X0,14	gy	32,3	7,8	94	dr., c. 100
030198	02X0,25	gy	4,8	3,6	17	dr., c. 100
030199	03X0,25	gy	7,2	3,8	21	dr., c. 100
030200	04X0,25	gy	9,6	4,1	27	dr., c. 100
030201	05X0,25	gy	12	4,5	32	dr., c. 100
030202	06X0,25	gy	14,4	5	40	dr., c. 100
030203	07X0,25	gy	16,8	5,4	42	dr., c. 100
030204	08X0,25	gy	19,2	6,1	51	dr., c. 100
030205	10X0,25	gy	24	6,4	61	dr., c. 100
030206	12X0,25	gy	28,8	6,6	71	dr., c. 100
030219	02X0,34	gy	6,5	4,2	19	dr., c. 100
030220	03X0,34	gy	9,8	4,5	25	dr., c. 100
030221	04X0,34	gy	13,1	4,9	32	dr., c. 100
030222	05X0,34	gy	16,3	5,6	38	dr., c. 100
030223	06X0,34	gy	19,6	6,1	44	dr., c. 100
030224	07X0,34	gy	22,8	6,6	50	dr., c. 100
030574	08X0,34	gy	26	7,2	61	dr., c. 100
030573	12X0,34	gy	39,2	7,9	85	dr., c. 100
030241	02X0,5	gy	9,6	5,6	23	dr., c. 100
030242	03X0,5	gy	14,4	5,9	31	dr., c. 100
030243	04X0,5	gy	19,2	6,4	39	dr., c. 100
030244	05X0,5	gy	24	7	47	dr., c. 100
030246	07X0,5	gy	33,6	7,6	65	dr., c. 100
030587	08X0,5	gy	38,4	7,9	75	dr., c. 100
030248	10X0,5	gy	48	9,4	92	dr., c. 100
030567	12X0,5	gy	57,6	9,7	121	dr., c. 100
030250	16X0,5	gy	76,8	10,8	146	dr., c. 100

LiYY

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030545	21X0,5	gy	96	12,6	184	dr., c. 100
030252	24X0,5	gy	120	13,6	221	dr., c. 100
030527	02X0,75	gy	14,4	5,9	48	dr., c. 100, c. 50
030528	03X0,75	gy	21,6	6	57	dr., c. 100
030529	04X0,75	gy	28,8	6,5	69	dr., c. 100
035105	12X0,75	gy	86	10,1	179	dr.
031308	02X1	gy	19,2	6	61	dr.
031433	04X1	gy	38,4	6,5	85	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

Application:

For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
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, fixed	-30 - +80 °C
temperature, moved/during installation	-5 - +70 °C
operating capacity	120 nF/km
nominal voltage U₀	250 V
nominal voltage U	250 V
test voltage	1,2 kV
protective conductor	no
core identification	colours acc. DIN 47100



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030253	02X0,14	gy	12,4	3,9	21	dr., c. 100
030254	03X0,14	gy	14,1	4	40	dr., c. 100
030255	04X0,14	gy	15,8	4,2	43	dr., c. 100
030256	05X0,14	gy	19,6	4,6	47	dr., c. 100
030257	06X0,14	gy	22,2	4,9	52	dr., c. 100
030258	07X0,14	gy	23,5	5	54	dr., c. 100
030259	08X0,14	gy	25,2	6	58	dr., c. 100

LiYCY



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
030261	12X0,14	gy	31,4	6,7	81	dr., c. 100
030263	16X0,14	gy	48	7,3	97	dr., c. 100
030926	20X0,14	gy	58,3	7,8	116	dr., c. 100
030280	02X0,25	gy	16	4,6	28	dr., c. 100
030281	03X0,25	gy	21	4,8	34	dr., c. 100
030282	04X0,25	gy	24	5,2	40	dr., c. 100
030283	05X0,25	gy	29	5,7	47	dr., c. 100
030284	06X0,25	gy	32,4	6,3	54	dr., c. 100
030285	07X0,25	gy	37	6,3	61	dr., c. 100
030286	08X0,25	gy	42,1	6,4	66	dr., c. 100
030287	10X0,25	gy	49,9	6,7	80	dr., c. 100
030288	12X0,25	gy	59	7,8	91	dr., c. 100
030289	14X0,25	gy	64,2	8	120	dr., c. 100
031386	15X0,25	gy	67,5	9,4	127	dr.
030290	16X0,25	gy	70,8	9,6	135	dr., c. 100
030291	18X0,25	gy	83	10	150	dr., c. 100
030927	20X0,25	gy	88	10,2	157	dr., c. 100
030292	21X0,25	gy	93	10,5	163	dr., c. 100
030305	02X0,34	gy	21	4,8	31	dr., c. 100
030306	03X0,34	gy	27	5	38	dr., c. 100
030307	04X0,34	gy	33	5,4	46	dr., c. 100
030308	05X0,34	gy	36	5,9	54	dr., c. 100
030571	06X0,34	gy	45	6,6	62	dr., c. 100
030309	07X0,34	gy	51	6,7	70	dr., c. 100
030310	08X0,34	gy	54	7	76	dr., c. 100
030312	12X0,34	gy	80	9	128	dr., c. 100
030460	14X0,34	gy	86	9,5	141	dr., c. 100
030462	30X0,34	gy	161,5	13,3	282	dr., c. 100
030325	02X0,5	gy	29	5	36	dr., c. 100
030326	03X0,5	gy	39	5,3	45	dr., c. 100
030327	04X0,5	gy	46	5,7	54	dr., c. 100
030328	05X0,5	gy	57	6,4	67	dr., c. 100
030564	06X0,5	gy	68,6	6,9	76	dr., c. 100
030330	07X0,5	gy	80	7	84	dr., c. 100
030883	08X0,5	gy	91,4	7,3	107	dr., c. 100
030332	10X0,5	gy	100	8,8	134	dr., c. 100
030333	12X0,5	gy	117	9,5	155	dr., c. 100
030565	16X0,5	gy	129	10,7	186	dr., c. 100
030933	20X0,5	gy	165	11,6	239	dr., c. 100
031394	25X0,5	gy	250	13,4	313	dr.
030511	02X0,75	gy	38	6,7	62	dr., c. 100, c. 50
030512	03X0,75	gy	50	7	73	dr., c. 100, c. 50
030513	04X0,75	gy	58	7,6	92	dr., c. 100
030514	05X0,75	gy	70	8,2	110	dr., c. 100
030572	06X0,75	gy	87	9,1	128	dr., c. 100
030515	07X0,75	gy	100	9,7	145	dr., c. 100
031678	08X0,75	gy	110	9,8	151	dr., c. 100
030471	10X0,75	gy	140	11,7	182	dr., c. 100
030472	12X0,75	gy	154	12	216	dr., c. 100
030473	18X0,75	gy	207	13,9	311	dr.
030474	25X0,75	gy	280,8	16,6	404	dr.
030705	02X1	gy	46	7	74	dr., c. 100
030672	03X1	gy	56	7,3	89	dr., c. 100
030673	04X1	gy	69	8	107	dr., c. 100
030670	05X1	gy	89	8,6	132	dr., c. 100
031154	07X1	gy	118	9,2	158	dr., c. 100
031256	08X1	gy	130	10,5	179	dr.
030671	10X1	gy	145	11,5	215	dr., c. 100

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031257	12X1	gy	168	12	254	dr.
030584	02X1,5	gy	63	7,7	86	dr., c. 100
030586	03X1,5	gy	76	8	107	dr., c. 100
030558	04X1,5	gy	108	9	129	dr., c. 100, c. 50
031155	05X1,5	gy	129	10	150	dr., c. 100
031156	07X1,5	gy	164	10,8	192	dr., c. 100
031264	12X1,5	gy	254	14	315	dr.
031265	18X1,5	gy	350	15,5	450	dr.
030360	02X2X0,14	gy	22,6	5	44	dr., c. 100, c. 50
030361	03X2X0,14	gy	25,7	5,6	53	dr., c. 100
030362	04X2X0,14	gy	39,3	6,1	60	dr., c. 100
030363	05X2X0,14	gy	44,5	6,5	80	dr., c. 100
030367	10X2X0,14	gy	65,3	9	130	dr., c. 100
030368	12X2X0,14	gy	78,4	9,4	160	dr., c. 100
030370	16X2X0,14	gy	93,4	11	220	dr., c. 100
030476	32X2X0,14	gy	148,8	14,6	390	dr.
030377	36X2X0,14	gy	185,5	15,4	435	dr.
030379	02X2X0,25	gy	28	6,8	54	dr., c. 100
030516	03X2X0,25	gy	39,6	7,3	66	dr., c. 100
030380	04X2X0,25	gy	44,9	7,9	81	dr., c. 100
030381	05X2X0,25	gy	55	9,4	98	dr., c. 100
030517	06X2X0,25	gy	69,5	10,2	115	dr., c. 100
030382	10X2X0,25	gy	110	13,3	158	dr., c. 100
030383	12X2X0,25	gy	121,5	13,7	190	dr., c. 100
030480	16X2X0,25	gy	146,5	15,1	238	dr., c. 100
030878	02X2X0,34	gy	40,5	7,4	74	dr., c. 100
030879	03X2X0,34	gy	49,8	8	98	dr., c. 100
030880	04X2X0,34	gy	62,9	9,5	114	dr., c. 100
030881	06X2X0,34	gy	84,1	10,6	157	dr., c. 100
031271	12X2X0,34	gy	138,3	14,3	272	dr.
030392	02X2X0,5	gy	54	7,3	93	dr., c. 100, c. 50
030519	03X2X0,5	gy	73,7	8,4	129	dr., c. 100
030393	04X2X0,5	gy	91	9,4	146	dr., c. 100
030520	06X2X0,5	gy	120	11,2	198	dr., c. 100
030521	08X2X0,5	gy	144	11,5	259	dr., c. 100
030394	12X2X0,5	gy	199	15,1	354	dr.
030485	16X2X0,5	gy	254	17,3	459	dr.
030522	02X2X0,75	gy	58	9,5	106	dr., c. 100
030414	03X2X0,75	gy	85	9,6	140	dr., c. 100
030523	04X2X0,75	gy	108	10,3	179	dr., c. 100
030524	06X2X0,75	gy	146	12,4	246	dr., c. 100
031322	02X2X1	gy	84	10,3	136	dr.
031327	03X2X1	gy	103	10,5	174	dr.
031189	04X2X1,0	gy	132	11	226	dr., c. 100



LiYCY/EB



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	PVC
screen coverage	85 %
sheathing material	PVC
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
maximum temperature at conductor	70 °C
max. operating temperature, fixed	-30 - +80 °C
temperature, moved/during installation	-5 - +70 °C
bending radius, fixed installation	15 x D _A
impedance	85 Ohm
operating capacity	120 nF/km
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 with increased requirements to electromagnetic compatibility. Due to the blue outer sheath the cable is suitable for application in intrinsical safe circuits.

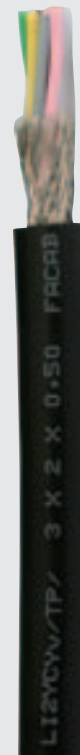
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032848	02X0,5	bu	29	4,9	36	dr.
031554	03X0,5	bu	35	5,3	45	dr.
034844	04X0,5	bu	46	6,3	54	dr.
030697	02X0,75	bu	35	6,7	56	dr., c. 100
030662	03X0,75	bu	58	7,1	70	dr., c. 100
030734	04X0,75	bu	66	7,6	95	dr., c. 100
032020	05X0,75	bu	92	8,2	130	dr., c. 100
030929	07X0,75	bu	103	9,7	168	dr., c. 100
032644	12X0,75	bu	151	12	202	dr.
032642	18X0,75	bu	211	13,9	304	dr.
033763	25X0,75	bu	281	15,1	425	dr.
031036	02X1	bu	58	6,9	84	dr., c. 100
032284	03X1	bu	78	7,3	106	dr.
031037	04X1	bu	98	8,1	130	dr.
031718	05X1	bu	95	8,6	140	dr., c. 100
031038	07X1	bu	160	9,2	192	dr., c. 100
032005	12X1	bu	245	12,1	260	dr.
032006	18X1	bu	286	14,4	340	dr.
032060	25X1	bu	396	16,1	534	dr.
031914	02X1,5	bu	78	7,7	97	dr.
031613	03X1,5	bu	94	8	125	dr.
032144	04X1,5	bu	128	9	170	dr.
031904	05X1,5	bu	144	10	180	dr.
033768	07X1,5	bu	159	10,5	233	dr.
033769	12X1,5	bu	268	13,7	356	dr.
032643	18X1,5	bu	373	15,5	528	dr.
033770	25X1,5	bu	530	19,5	720	dr.
031949	02X2X0,75	bu	60	9,5	106	dr.
031929	04X2X0,75	bu	115	10,3	179	dr.
033773	06X2X0,75	bu	146	13,3	236	dr.

Li2YCYv

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.

conductor material	bare copper
conductor construction	cl.2, 7-wired construction
insulation	polyethylene
screen coverage	75 %
sheathing material	PVC, enforced
for outdoor use	yes
max. operating temperature, fixed	-30 - +80 °C
bending radius, fixed installation	15 x D _A
impedance	100 Ohm
operating capacity	60 nF/km
nominal voltage U	250 V
test voltage	2 kV
core identification	colours acc. DIN 47100



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031688	02X2X0,22	bk	20	7,9	46	dr.
031689	03X2X0,22	bk	26	8,2	67	dr.
031690	04X2X0,22	bk	31	8,8	83	dr.
031694	02X2X0,34	bk	29	9,1	68	dr., c. 100
031695	03X2X0,34	bk	38	9,5	79	dr.
031696	04X2X0,34	bk	47	10,1	95	dr.
031682	01X2X0,5	bk	28	7,9	61	dr.
031683	02X2X0,5	bk	37	9,9	73	dr.
031684	03X2X0,5	bk	53	10,3	109	dr.
031685	04X2X0,5	bk	60	11,1	122	dr., c. 100
031686	08X2X0,5	bk	106	13,9	234	dr.
031687	10X2X0,5	bk	148	15,8	284	dr.
032858	24X2X0,5	bk	363	22,8	595	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

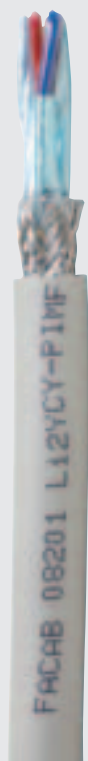
Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

Li2YCY PiMF



conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	polyethylene
screen coverage	80 %
sheathing material	PVC
max. operating temperature, fixed	-15 - +70 °C
bending radius, fixed installation	12 x D _A
operating capacity	75 nF/km
loop resistance	80 Ohm/km
nominal voltage U	250 V
test voltage	2000 V
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.



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031796	02X2X0,5	gy	47	9,9	96	dr.
031703	03X2X0,5	gy	64	10,4	116	dr., c. 100
031797	04X2X0,5	gy	109	11,3	141	dr.
032313	05X2X0,5	gy	120	11,8	184	dr.
034381	06X2X0,5	gy	148	14,4	244	dr.
032030	08X2X0,5	gy	180	14,5	271	dr.
031705	10X2X0,5	gy	238	16,6	327	dr., c. 100
034799	12X2X0,5	gy	293		430	dr.
034587	02X2X0,75	gy	61	10,4	117	dr.
034588	03X2X0,75	gy	97	11,3	142	dr.
034589	04X2X0,75	gy	141	14	222	dr.
032365	02X2X1	gy	72	11,7	130	dr.
034596	03X2X1	gy	104	12,2	158	dr.
031778	04X2X1	gy	187	12,7	360	dr., c. 100
034604	02X2X1,5	gy	81	12,8	164	dr.
034606	03X2X1,5	gy	141	14,1	197	dr.
034605	04X2X1,5	gy	261	17,4	480	dr.

Application:

For signal transmission between electronic devices, in computer systems or process control units with increased requirements to electromagnetic compatibility.

conductor material	bare copper
conductor construction	fine stranded, class 5
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30- +70 °C
bending radius, fixed installation	7,5 x D _A
bending radius, moved application	15 x D _A
operating capacity	120 nF/km
nominal voltage U₀	250 V
test voltage	1200 V
core identification	colours acc. DIN 47100



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032665	02X0,14	gy	13	4,1	22	dr.
032666	03X0,14	gy	14,1	4,3	25	dr.
032667	04X0,14	gy	16	4,5	28	dr.
032668	05X0,14	gy	20	4,8	32	dr.
032669	06X0,14	gy	22	5,1	35	dr.
032670	07X0,14	gy	24	5,2	39	dr.
032671	08X0,14	gy	26	6	41	dr.
032672	10X0,14	gy	29	6,4	56	dr.
032673	12X0,14	gy	31,4	6,8	74	dr.
032674	16X0,14	gy	43	7,2	90	dr.
032675	25X0,14	gy	76	9,4	135	dr.
032676	02X0,25	gy	15	4,7	24	dr.
032677	03X0,25	gy	18	4,9	29	dr.
032678	04X0,25	gy	22	5,2	35	dr.
032679	05X0,25	gy	25	5,8	41	dr.
032680	06X0,25	gy	30	6,2	49	dr.
032681	07X0,25	gy	32	6,3	51	dr.
032682	08X0,25	gy	35	7,3	58	dr.
032683	10X0,25	gy	42,1	7,7	81	dr.
032684	12X0,25	gy	59	7,9	117	dr.
032685	16X0,25	gy	64	8,6	124	dr.
032686	25X0,25	gy	118	10,9	161	dr.
031985	02X0,34	gy	17	5,1	30	dr.
032687	03X0,34	gy	21	5,3	33	dr.
031926	04X0,34	gy	28	5,9	59	dr.
032688	05X0,34	gy	30	6,4	56	dr.
032689	06X0,34	gy	36	7	59	dr.
032690	07X0,34	gy	42	7,1	75	dr.
032691	08X0,34	gy	45	8	84	dr.
032692	10X0,34	gy	63	8,9	106	dr.
032693	12X0,34	gy	80	9,1	133	dr.
032694	16X0,34	gy	94	9,6	160	dr.
032695	25X0,34	gy	144	12,5	232	dr.
032696	02X0,5	gy	29	5,8	38	dr.
032697	03X0,5	gy	35	6,1	47	dr.
032698	04X0,5	gy	45	6,5	62	dr.
032104	05X0,5	gy	54	7,2	76	dr.
032699	06X0,5	gy	59	7,8	84	dr.
032700	07X0,5	gy	72	7,9	86	dr.
032701	08X0,5	gy	75	8,9	135	dr.
032702	10X0,5	gy	95	9,5	129	dr.
032107	12X0,5	gy	101	9,8	148	dr.

LiHCH



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032105	18X0,5	gy	143	11,7	210	dr.
032703	25X0,5	gy	211	13,9	319	dr.
031966	02X0,75	gy	35	6,2	45	dr.
031963	03X0,75	gy	46	6,5	60	dr.
031833	04X0,75	gy	58	7,2	92	dr.
031964	05X0,75	gy	70	7,8	97	dr.
031967	07X0,75	gy	90	8,5	120	dr.
032704	10X0,75	gy	131	10,7	169	dr.
032085	12X0,75	gy	154	11,1	196	dr.
032705	18X0,75	gy	195	12,7	327	dr.
032706	25X0,75	gy	280	15,5	454	dr.
032662	02X1	gy	43	6,5	72	dr.
032707	03X1	gy	56	7	90	dr.
032664	04X1	gy	68	7,5	109	dr.
032708	05X1	gy	79	8,2	126	dr.
032709	07X1	gy	118	8,8	171	dr.
032710	02X1,5	gy	58	7,7	90	dr.
032711	03X1,5	gy	74	8,1	115	dr.
032712	04X1,5	gy	108	8,7	153	dr.
032713	05X1,5	gy	129	9,5	176	dr.
031809	07X1,5	gy	164	10,7	220	dr.
031872	02X2X0,25	gy	28	7,2	54	dr.
031816	03X2X0,25	gy	39,6	7,3	66	dr.
032658	04X2X0,25	gy	54,5	8,1	81	dr.
031846	06X2X0,25	gy	69,5	9,1	115	dr.
031818	02X2X0,5	gy	48,1	8,8	93	dr., c. 100
031896	03X2X0,5	gy	73,7	9	129	dr.
032728	04X2X0,5	gy	82	10,3	140	dr.
032729	06X2X0,5	gy	110	11,4	187	dr.
032732	02X2X0,75	gy	65	9,5	106	dr.
032733	03X2X0,75	gy	92	10,1	138	dr.
032659	04X2X0,75	gy	115	11,5	170	dr.
032036	02X2X1	gy	84	10,5	142	dr.
032737	03X2X1	gy	86	10,6	173	dr.
032738	04X2X1	gy	121	11,5	212	dr.

FACAB EFK SC 12Y11Y

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.

conductor material	bare copper
conductor construction	fine stranded class 6
insulation	TPE
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	600 V
nominal voltage U	1000 V
test voltage	4 kV



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035314	01X6	bk	58	7,1	88	dr.
035315	01X10	bk	96	8	135	dr.
035316	01X16	bk	154	9,4	205	dr.
035317	01X25	bk	240	10,9	290	dr.
035318	01X35	bk	336	13,2	411	dr.
035319	01X50	bk	480	14,2	554	dr.
035320	01X70	bk	672	16,5	773	dr.
035321	01X95	bk	912	18,4	1066	dr.
035322	01X120	bk	1152	20,5	1305	dr.
035323	01X150	bk	1440	22,5	1616	dr.
035324	01X185	bk	1776	26,1	2025	dr.
035326	01G6	ge/ye	58	7,1	88	dr.
035327	01G10	ge/ye	96	8	135	dr.
035328	01G16	ge/ye	154	9,4	205	dr.
035329	01G25	ge/ye	240	10,9	290	dr.
035330	01G35	ge/ye	336	13,2	411	dr.
035331	01G50	ge/ye	480	14,2	554	dr.
035332	01G70	ge/ye	672	16,5	773	dr.
035333	01G95	ge/ye	912	18,4	1066	dr.
035334	01G120	ge/ye	1152	20,5	1305	dr.
035335	01G150	ge/ye	1440	22,5	1616	dr.
035336	01G185	ge/ye	1776	26,1	2025	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

FACAB EFK SC 12YC11Y



conductor material	bare copper
conductor construction	fine stranded class 6
insulation	TPE
screen coverage	85 %
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	600 V
nominal voltage U	1000 V
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035337	01X6	og	79	7,6	123	dr.
035338	01X10	og	127,6	8,5	177	dr.
035339	01X16	og	186,2	9,9	241	dr.
035340	01X25	og	258	11,4	354	dr.
035341	01X35	og	400,7	13,9	488	dr.
035342	01X50	og	554,8	14,9	629	dr.
035343	01X70	og	775,6	17,2	863	dr.
035344	01X95	og	1029	19,3	1193	dr.
035345	01X120	og	1283	21,4	1452	dr.
035346	01X150	og	1570	23,4	1780	dr.
035347	01X185	og	1935	27	2152	dr.

FACAB EFK 310 Y

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.

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
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 D _A
bending radius, moved application	10 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	3000 V
core identification	gn-ye + numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035423	02X0,5	gy	10	6	44	dr.
035424	03G0,5	gy	14,4	6,3	48	dr.
035425	04G0,5	gy	19,2	6,9	60	dr.
035426	05G0,5	gy	24	7,5	72	dr.
035427	07G0,5	gy	34	9,1	104	dr.
035428	10G0,5	gy	48	10,6	142	dr.
035429	12G0,5	gy	58	10,9	148	dr.
035430	18G0,5	gy	86,4	13,1	221	dr.
035431	25G0,5	gy	120	15,8	319	dr.
035432	02X0,75	gy	15	6,4	52	dr.
035433	03G0,75	gy	22	6,9	61	dr.
035434	04G0,75	gy	29	7,4	74	dr.
035435	05G0,75	gy	36	8,3	92	dr.
035436	07G0,75	gy	50,4	10	132	dr.
035437	10G0,75	gy	72	11,6	181	dr.
035438	12G0,75	gy	86,4	12	190	dr.
035439	18G0,75	gy	130	14,3	284	dr.
035440	25G0,75	gy	180	17,3	406	dr.
035441	02X1	gy	19,2	6,7	60	dr.
035442	03G1	gy	29	7,2	71	dr.
035443	04G1	gy	38,4	7,8	88	dr.
035444	05G1	gy	48	8,7	109	dr.
035445	07G1	gy	67,2	10,5	156	dr.
035446	10G1	gy	96	12,2	213	dr.
035447	12G1	gy	115,2	12,8	233	dr.
035448	18G1	gy	173	15	339	dr.
035449	25G1	gy	240	18,2	489	dr.
035450	02X1,5	gy	29	7,6	80	dr.
035451	03G1,5	gy	43,2	8	94	dr.
035452	04G1,5	gy	58	8,9	118	dr.
035453	05G1,5	gy	72	10	147	dr.
035454	07G1,5	gy	101	12	210	dr.
035455	10G1,5	gy	144	13,1	309	dr.
035456	12G1,5	gy	173	14,6	314	dr.
035457	18G1,5	gy	259,2	17,4	466	dr.
035458	25G1,5	gy	360	21	670	dr.
035459	02X2,5	gy	48	9	117	dr.
035460	03G2,5	gy	72	9,7	154	dr.
035461	04G2,5	gy	96	10,6	173	dr.

Power cables
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Flexible Cables

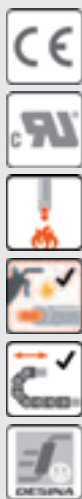
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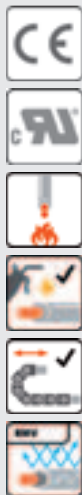
Technical Appendix

FACAB EFK 310 Y



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035462	05G2,5	gy	120	11,8	216	dr.
035463	07G2,5	gy	168	14,5	311	dr.
035464	12G2,5	gy	288	17,5	468	dr.
035465	03G4	gy	115,2	11,9	238	dr.
035466	04G4	gy	154	13,1	284	dr.
035467	05G4	gy	192	14,5	352	dr.
035468	03G6	gy	173	13	312	dr.
035469	04G6	gy	230,4	14,4	368	dr.
035470	05G6	gy	288	16	498	dr.

FACAB EFK 310 CY



conductor material	bare copper
conductor construction	fine stranded class 6
insulation	PVC
screen coverage	85 %
sheathing material	PVC
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 D _A
bending radius, moved application	10 x D _A
nominal voltage U₀	500 V
nominal voltage U	300 V
test voltage	3000 V
core identification	gn-ye + numbers

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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035471	02X0,5	gy	32	7,7	98	dr.
035472	03G0,5	gy	38	8	107	dr.
035473	04G0,5	gy	45,4	9	131	dr.
035474	05G0,5	gy	53	9,8	153	dr.
035475	07G0,5	gy	68	11,3	201	dr.

FACAB EFK 310 CY

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035476	10G0,5	gy	94	12,9	249	dr.
035477	12G0,5	gy	105	13,2	272	dr.
035478	18G0,5	gy	142,2	15,6	379	dr.
035479	25G0,5	gy	211,3	18,7	539	dr.
035480	02X0,75	gy	38,1	8,3	115	dr.
035481	03G0,75	gy	48	8,9	132	dr.
035482	04G0,75	gy	57	9,4	151	dr.
035483	05G0,75	gy	67	10,3	177	dr.
035484	07G0,75	gy	87,1	12	234	dr.
035485	10G0,75	gy	121,1	13,7	291	dr.
035486	12G0,75	gy	137,2	14,3	328	dr.
035487	18G0,75	gy	212,3	17,2	483	dr.
035488	25G0,75	gy	279	20,2	652	dr.
035490	02X1	gy	44,1	8,6	127	dr.
035491	03G1	gy	56	9,2	146	dr.
035492	04G1	gy	68	10	173	dr.
035493	05G1	gy	80,3	10,7	199	dr.
035494	07G1	gy	112,1	12,8	277	dr.
035495	10G1	gy	148	14,5	337	dr.
035496	12G1	gy	170	15,1	380	dr.
035497	18G1	gy	260,2	17,9	549	dr.
035498	25G1	gy	345	21,1	744	dr.
035499	02X1,5	gy	58	9,8	165	dr.
035500	03G1,5	gy	74	10,3	186	dr.
035501	04G1,5	gy	91	11,2	221	dr.
035502	05G1,5	gy	109	12	256	dr.
035503	07G1,5	gy	152	14,3	357	dr.
035504	10G1,5	gy	218	15,6	475	dr.
035505	12G1,5	gy	258	17,5	528	dr.
035506	18G1,5	gy	359,1	20,3	726	dr.
035507	25G1,5	gy	481,4	24,3	1009	dr.
035508	02X2,5	gy	82	11,2	223	dr.
035509	03G2,5	gy	108	11,8	253	dr.
035510	04G2,5	gy	141,4	12,9	311	dr.
035511	05G2,5	gy	170	14,1	369	dr.
035512	07G2,5	gy	252	17,4	538	dr.
035513	12G2,5	gy	389	20,4	746	dr.
035514	03G4	gy	165	13,8	366	dr.
035515	04G4	gy	209	15,2	451	dr.
035516	05G4	gy	275,3	17,2	570	dr.
035517	03G6	gy	228	15,1	465	dr.
035518	04G6	gy	313	17,1	596	dr.
035519	05G6	gy	379	18,7	710	dr.

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FACAB EFK 300 P



conductor material	bare copper
conductor construction	fine stranded class 6
insulation	TPE/PP
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	3 kV
core identification	gn-ye + numbers

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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032519	02X0,5	gy	10	5	36	dr.
031298	03X0,5	gy	14,4	5,2	57	dr.
030952	04X0,5	gy	19,2	5,7	56	dr.
032521	07X0,5	gy	34	7,4	79	dr.
031024	12X0,5	gy	58	9	176	dr.
032522	18X0,5	gy	86,4	10,4	186	dr.
031980	25X0,5	gy	120	12,7	196	dr.
031001	02X0,75	gy	15	5,4	57	dr., c. 100
031002	03X0,75	gy	22	5,7	73	dr.
031003	04X0,75	gy	29	6,3	95	dr.
032526	05X0,75	gy	36	7,1	76	dr.
032527	07X0,75	gy	50,4	8,3	106	dr.
031029	12X0,75	gy	86,4	10,1	248	dr.
032528	18X0,75	gy	130	11,6	252	dr.
032530	25X0,75	gy	180	14,1	351	dr.
031004	02X1	gy	19,2	5,8	65	dr., c. 100
031009	03X1	gy	29	6,1	84	dr.
031005	04X1	gy	38,4	6,8	111	dr.
031006	05X1	gy	48	7,4	138	dr.
031026	07X1	gy	67,2	8,9	182	dr.
031028	12X1	gy	115,2	10,7	261	dr.
031030	18X1	gy	173	12,8	390	dr.
031152	25X1	gy	240	15,5	445	dr.
032537	02X1,5	gy	29	6,8	65	dr.
031007	03X1,5	gy	47	7,2	110	dr.
031067	04X1,5	gy	58	8	134	dr.
030955	05X1,5	gy	72	8,7	168	dr.
031023	07X1,5	gy	101	10,5	232	dr.
031584	12X1,5	gy	173	12,8	305	dr.
031158	18X1,5	gy	259,2	15,2	507	dr.
031416	25X1,5	gy	360	18,2	647	dr.
032543	02X2,5	gy	48	7,8	115	dr.
031585	03X2,5	gy	72	8,2	143	dr.
031580	04X2,5	gy	96	8,9	174	dr., c. 100
031022	05X2,5	gy	120	10	198	dr.
032094	07X2,5	gy	168	13,8	266	dr.
031428	12X2,5	gy	288	14,6	421	dr.
031420	04X4	gy	154	11,6	257	dr.
031411	05X4	gy	201	12,9	337	dr.

FACAB EFK 300 P

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032546	07X4	gy	269	15,6	479	dr.
031619	04X6	gy	230,4	13,6	322	dr.
032547	05X6	gy	288	15,2	509	dr.
032548	07X6	gy	403,2	18,3	693	dr.
031775	04X10	gy	384	17,6	585	dr.
032856	05X10	gy	480	19,5	817	dr.
032549	07X10	gy	672	23,7	1054	dr.
032550	04X16	gy	614	21,2	1006	dr.
034788	05X16	gy	768	23,6	1172	dr.
032551	07X16	gy	1075	28,6	1709	dr.



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FACAB EFK 300 CP

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.

conductor material	bare copper
conductor construction	fine stranded class 6
insulation	TPE/PP
screen coverage	85 %
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	300 V
nominal voltage U	500 V
test voltage	3 kV
core identification	gn-ye + numbers



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
031442	02X0,5	gy	48	7,1	91	dr.
030954	03X0,5	gy	53	7,4	104	dr.
032552	04X0,5	gy	61	7,8	122	dr.
030958	05X0,5	gy	66	8,2	131	dr.
031429	07X0,5	gy	85	9,5	172	dr.

FACAB EFK 300 CP



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
032554	12X0,5	gy	117	11	230	dr.
030959	18X0,5	gy	157	12,8	321	dr.
030957	25X0,5	gy	228	15	445	dr.
032558	02X0,75	gy	53	7,5	98	dr.
032559	03X0,75	gy	63	7,8	120	dr.
032560	04X0,75	gy	77	8,3	83	dr.
032561	05X0,75	gy	87	9	94	dr.
032562	07X0,75	gy	107	10,3	125	dr.
032564	12X0,75	gy	156	12,1	308	dr.
032565	18X0,75	gy	235	13,8	420	dr.
032567	25X0,75	gy	313	17	579	dr.
032570	02X1	gy	60	8	65	dr.
032571	03X1	gy	71	8,5	81	dr.
032572	04X1	gy	88	9	96	dr.
031923	05X1	gy	99	9,6	168	dr.
031986	07X1	gy	128	11,2	240	dr.
030953	12X1	gy	186	13	358,2	dr.
031919	18X1	gy	280	15,3	418	dr.
032574	25X1	gy	378	18,4	641	dr.
032581	02X1,5	gy	79	9,1	134	dr.
032582	03X1,5	gy	94	9,7	109	dr., c. 100
031910	04X1,5	gy	119	10,3	217	dr.
032583	05X1,5	gy	129	11	148	dr.
032584	07X1,5	gy	170	12,7	325	dr.
032064	12X1,5	gy	279	15	416	dr.
032065	18X1,5	gy	394	17,6	564	dr.
032586	25X1,5	gy	533	21	888	dr.
032591	02X2,5	gy	104	10,1	198	dr.
032592	03X2,5	gy	137	10,6	284	dr.
031556	04X2,5	gy	165	11,6	321	dr.
032067	05X2,5	gy	191	12,4	293	dr.
031918	07X2,5	gy	275	14,7	418	dr.
031766	12X2,5	gy	453	17,5	589	dr.
031767	18X2,5	gy	607	20,6	885	dr.
031902	04X4	gy	360	14,4	448	dr.
032089	05X4	gy	328	15,7	505	dr.
032595	07X4	gy	360	18,6	678	dr.
032596	04X6	gy	348	16,6	612	dr.
032597	05X6	gy	441	18,2	741	dr.
032598	07X6	gy	505	21,6	1028	dr.
032599	04X10	gy	518	20,8	984	dr.
032600	05X10	gy	638	22,7	1058	dr.
032601	07X10	gy	820	27,1	1530	dr.
032602	04X16	gy	840	24,6	1318	dr.
032603	05X16	gy	1050	27	1710	dr.
032604	07X16	gy	1510	32,4	2087	dr.

FACAB EFK Feedback-CP Indramat

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.

standard	INDRAMAT® Standard INK
conductor material	bare copper
conductor construction	fine stranded class 6
insulation	TPE
screen coverage	85 %
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	300 V
nominal voltage U	300 V
test voltage	1500 V
core identification	according to Indramat-specification



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035278	[4X2X0,25 + 2X0,5] cUL - INK-0448	og	70	9	95	dr.
035279	[4X2X0,25 + 2X1] cUL - INK-0209	og	93	9,1	118	dr.
035280	[9X0,5] cUL - INK-0208	og	81	9,1	119	dr.
035281	[4X1+4X2X0,14+[4X0,14]] cUL - INK-0532	og	85	9,7	142	dr.
035282	[3X0,25+3X[2X0,25]D+2X1] cUL - INK-0280	og	93,1	10	143	dr.
035283	[2X2X0,25+2X0,5] cUL - INK-0750	og	51,2	7,6	84	dr.

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FACAB EFK SERVO-CP INDRAMAT



standard	INDRAMAT® Standard INK
conductor material	bare copper
conductor construction	fine stranded class 6
insulation	TPE
screen coverage	85 %
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	600 V
nominal voltage U	1000 V
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035268	[4G0,75+(2X0,5)StD] cUL - INK-0670	og	88	10	145	dr.
035269	[4G1+2x(2x0,75)StC] cUL - INK-0653	og	170	12,3	226	dr.
035270	[4G1,5+2x(2x0,75)StC] cUL - INK-0650	og	189	12,3	260	dr.
035271	[4G2,5+2x(2x1)StC] cUL - INK-0602	og	229	14,8	326	dr.
035272	[4G4+(2x1,5)StC+(2x1,0)StC] cUL - INK-0603	og	318	17	458	dr.
035165	[4G6+(2x1,5)StC+(2x1,0)StC] cUL - INK-0604	og	445	18,5	584	dr.
035273	[4G10+(2x1,5)StC+(2x1,0)StC] cUL - INK-0605	og	610	21,9	846	dr.
035274	[4G16+2x(2x1,5)StC] cUL - INK-0606	og	904	25,5	1154	dr.
035275	[4G25+2x(2x1,5)StC] cUL - INK-0607	og	1323	29,5	1588	dr.
035276	[4G35+2x(2x1,5)StC] cUL - INK-0667	og	1645	31	2097	dr.

FACAB EFK SERVO-CP Siemens

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.

standard	Siemens Standard 6FX8008+
conductor material	bare copper
conductor construction	fine stranded class 6
insulation	polypropylen
screen coverage	85 %
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
nominal voltage U₀	600 V
nominal voltage U	1000 V
test voltage	4 kV
core identification	acc. to Siemens specification



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035285	[4G1,5] 0,6/1 kV cUL - 6FX8008-1BB11	og	90	9	159	dr.
035286	[4G2,5] 0,6/1 kV cUL - 6FX8008-1BB21	og	135	10,6	235	dr.
035287	[4G4] 0,6/1 kV cUL - 6FX8008-1BB31	og	205,5	11,9	323	dr.
035288	[4G6] 0,6/1 kV cUL - 6FX8008-1BB41	og	315	14,7	464	dr.
035289	[4G10] 0,6/1 kV cUL - 6FX8008-1BB51	og	488	17,5	672	dr.
035290	[4G16] 0,6/1 kV cUL - 6FX8008-1BB61	og	769	21,6	1089	dr.
035291	[4G25] 0,6/1 kV cUL - 6FX8008-1BB25	og	1100	25,4	1523	dr.
035292	[4G35] 0,6/1 kV cUL - 6FX8008-1BB35	og	1510	28,6	2080	dr.
035293	[4G50] 0,6/1 kV cUL - 6FX8008-1BB50	og	2130	33,4	2710	dr.
035294	[4G70] 0,6/1 kV cUL - 6FX8008-1BB70	og	3025	42,5	4123	dr.
035295	[4G1,5+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA11	og	163,5	11,6	244	dr.
035296	[4G2,5+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA21	og	189	13,4	310	dr.
035297	[4G4+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA31	og	260,5	14,8	408	dr.
035298	[4G6+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA41	og	365	16,8	540	dr.
035299	[4G10+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA51	og	560	19,9	782	dr.
035300	[4G16+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA61	og	816	22,5	1101	dr.
035301	[4G25+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA25	og	1172	26,2	1490	dr.
035302	[4G35+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA35	og	1595	29,8	2015	dr.
035303	[4G50+(2X1,5)] 0,6/1 kV cUL - 6FX8008-1BA50	og	2214	34	2754	dr.

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FACAB EFK Feedback-CP Siemens



standard	Siemens Standard 6FX8008+
conductor material	bare copper
conductor construction	fine stranded class 6
insulation	polypropylen
screen coverage	85 %
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
nominal voltage U	300 V
test voltage	1500 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packa- ging
035306	[8X2X0,18] cUL - 6FX8008-1BD11	gn	54	7,8	88	dr.
035307	[4X2X0,38+4X0,5] cUL - 6FX8008-1BD21	gn	83	8,9	123	dr.
035308	[3X(2X0,14)+2X(0,5)] cUL - 6FX8008-1BD31	gn	74	9	109	dr.
035309	[3X(2X0,14)+4X0,14+2X0,5] cUL - 6FX8008-1BD41	gn	66	8,9	106	dr.
035310	[3X(2X0,14)+4X0,14+2X0,5+4X0,25] cUL - 6FX8008-1BD51	gn	86	9,5	136	dr.
035311	[4X2X0,18] cUL - 6FX8008-1BD61	gn	35	6,4	57	dr.
035312	[2X2X0,18] cUL - 6FX8008-1BD71	gn	24	5	40	dr.
035313	[12X0,25] cUL - 6FX8008-1BD81	gn	65	6,9	79	dr.

FACAB EFK Li9YC11Y

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.

conductor material	bare copper
conductor construction	fine stranded class 6
insulation	polypropylen
screen coverage	85 %
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
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 D _A
bending radius, moved application	7,5 x D _A
operating capacity	80 nF/km
nominal voltage U	300 V
test voltage	800 V
core identification	colours acc. DIN 47100



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035350	02X0,14	gy	13	4,1	28	dr.
035351	03X0,14	gy	15	4,3	31	dr.
035352	04X0,14	gy	17	4,5	35	dr.
035353	05X0,14	gy	19,4	4,8	40	dr.
035354	07X0,14	gy	28	5,7	56	dr.
035355	10X0,14	gy	39,3	6,3	70	dr.
035356	12X0,14	gy	35	6,5	59	dr.
035357	14X0,14	gy	45,3	6,9	84	dr.
035358	18X0,14	gy	54,1	7,5	99	dr.
035524	25X0,14	gy	68,4	8,9	132	dr.
035359	02X0,25	gy	16,3	4,5	33	dr.
035360	03X0,25	gy	19,4	4,7	39	dr.
035361	04X0,25	gy	23	5	45	dr.
035362	05X0,25	gy	31	5,6	58	dr.
035363	07X0,25	gy	40	6,4	72	dr.
035364	10X0,25	gy	54	7,3	92	dr.
035365	12X0,25	gy	51	7,5	84	dr.
035366	14X0,25	gy	64,2	7,8	114	dr.
035367	18X0,25	gy	78,4	8,7	138	dr.
035368	25X0,25	gy	101	10,3	184	dr.
035369	02X0,34	gy	19	4,7	38	dr.
035370	03X0,34	gy	29	4,9	49	dr.
035371	04X0,34	gy	36	5,5	62	dr.
035372	05X0,34	gy	39,1	5,8	68	dr.
035373	07X0,34	gy	53	6,9	91	dr.
035374	10X0,34	gy	67,4	7,7	118	dr.
035375	12X0,34	gy	63	7,9	99	dr.
035376	14X0,34	gy	86	8,5	150	dr.
035377	18X0,34	gy	100	9,2	177	dr.
035378	25X0,34	gy	155	10,9	251	dr.
035379	02X2X0,14	gy	20	5,8	42	dr.
035380	03X2X0,14	gy	26	6,2	53	dr.
035381	04X2X0,14	gy	30	6,7	59	dr.
035382	05X2X0,14	gy	37,4	7,2	75	dr.
035383	06X2X0,14	gy	49,4	7,8	91	dr.
035384	08X2X0,14	gy	55	8,3	109	dr.
035385	10X2X0,14	gy	60,1	9,3	120	dr.

FACAB EFK Li9YC11Y



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
035386	14X2X0,14	gy	73	10	168	dr.
035387	02X2X0,25	gy	32	6,7	56	dr.
035388	03X2X0,25	gy	38,4	6,8	66	dr.
035389	04X2X0,25	gy	43,2	7,5	76	dr.
035390	05X2X0,25	gy	52	8	91	dr.
035391	06X2X0,25	gy	72	8,8	112	dr.
035392	08X2X0,25	gy	74,4	10,4	140	dr.
035393	10X2X0,25	gy	90	10,9	159	dr.
035394	14X2X0,25	gy	111,2	11,9	192	dr.
035653	18X2X0,25	gy	125	11,9	282	dr.
035395	02X2X0,34	gy	35	7	81	dr.
035396	03X2X0,34	gy	45	7,2	101	dr.
035397	04X2X0,34	gy	53	8	119	dr.
035398	05X2X0,34	gy	64	8,5	149	dr.
035399	06X2X0,34	gy	74	9,4	165	dr.
035400	08X2X0,34	gy	90	10,4	221	dr.
035401	10X2X0,34	gy	110	11,4	274	dr.
035402	14X2X0,34	gy	144	12,5	384	dr.
035403	02X2X0,5	gy	50	8,4	92	dr.
035404	03X2X0,5	gy	65	8,5	114	dr.
035405	04X2X0,5	gy	72,2	9,2	129	dr.
035406	05X2X0,5	gy	78,3	10,2	148	dr.
035407	06X2X0,5	gy	91	11	170	dr.
035408	08X2X0,5	gy	124,1	13,3	246	dr.
035409	10X2X0,5	gy	146,4	14,2	286	dr.
035410	14X2X0,5	gy	190	15,5	346	dr.
035411	02X2X0,75	gy	65	9,1	108	dr.
035412	03X2X0,75	gy	86,3	9,4	144	dr.
035413	04X2X0,75	gy	97	10,2	160	dr.
035414	05X2X0,75	gy	106	11,3	164	dr.
035415	06X2X0,75	gy	130,4	12,3	214	dr.
035416	08X2X0,75	gy	192,2	14,7	305	dr.
035417	10X2X0,75	gy	258	15,7	382	dr.
035418	14X2X0,75	gy	317	17,5	474	dr.
035419	02X2X1	gy	79,4	10	124	dr.
035420	03X2X1	gy	108	10,1	158	dr.
035421	04X2X1	gy	121,4	11	183	dr.
035422	05X2X1	gy	139,4	12,3	220	dr.

Industrial Ethernet

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.

standard	ISO/IEC 11801, EN 50173, EN 55022, E DIN 44312-5
conductor material	bare copper
conductor construction	see part description
insulation	foam-skin
screen coverage	85 %
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-40 - +70 °C
temperature, moved/ during installation	-10 - +70 °C
bending radius, fixed installation	8 x D _A
bending radius, moved application	15 x D _A
impedance	100 Ohm
velocity factor	0,75 v/c



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
101304	FACAB Industrial Dataline 200 EFK SFTP PUR Kat.5e 4X2XAWG26/19 FRNC cUL	bu	30	7,2	58	dr.
101305	FACAB Industrial Dataline 200 Inst. SFTP PVC Kat.5e 2X2XAWG22/1 cUL	gn	33	6,5	72	dr.
101307	FACAB Industrial Dataline 200 Flex SFTP PUR Kat.5e 4X2XAWG26/7 FRNC cUL	bu	25	6,4	54	dr.
101309	FACAB Industrial Dataline 200 Inst. SFTP PUR Kat.5e 2X2XAWG24/1 FRNC cUL	bu	24	5,8	49	dr.
101310	FACAB Industrial Dataline 200 Inst. SFTP PUR Kat.5e 2X2XAWG26/7 FRNC cUL	gn	20	5,7	43	dr.
101321	FACAB Industrial Dataline 200 EFK SFTP PUR Kat.5e 2X2XAWG22/19 FRNC cUL	gn	31,3	6,5	63	dr.
101311	FACAB Industrial Dataline 200 Inst. SFTP PUR Kat.5e 4X2XAWG24/1 FRNC cUL	bu	33	6,2	62	dr.
101308	FACAB Industrial Dataline 1000 Inst. STP PVC Kat.7 4X2XAWG22/1 PiMF cUL	gn	53	9	98	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

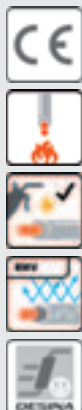
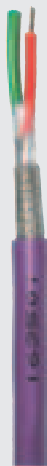
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FIELD- and PROFIBUS cable



conductor material	bare copper
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/ during installation	-5 - + 70 °C
bending radius, fixed installation	8 x D _A
bending radius, moved application	15 x D _A
impedance	150 Ohm
loop resistance	110 Ohm/km
test voltage	1500 V
core identification	red, green

Application:

For connection of L2- and Profi-Bus components. Standard version with violet PVC-sheath, for indoor installation only. The version with PUR-sheath is designed for application in drag chains and for fixed outdoor installation.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
101301	01X2X0,647	vt	26	7,9	73	dr.
101302	01X2X0,64	vt	26	8	83	dr.
100576	01X2X0,64	vt	26	7,8	60	dr., c. 100
100579	01X2X0,64	vt	26	7,8	57	dr.
100578	01X2X0,64	vt	28	8,1	64	dr.
101131	1P0,6541,5	vt	90	11,3	159	dr.
100488	01X2X0,64	bk	26	10	87	dr., c. 100
100575	01X2X0,64	vt	26	7,8	57	dr., c. 100, c. 250
100544	01X2X0,64	gn	22,4	7,8	55	dr.
100577	01X2X0,64+	vt	49	9,8	92	dr.

Profibus-PA



standard	UL/CSA AWM 2571
conductor material	bare copper
conductor construction	Strand, 7-wired construction
insulation	polyethylene
screen coverage	85 %
sheathing material	special PVC-compound
flame retardant	VDE 0482-332-1-2/IEC 60332-1
oil resistant	yes
max. operating temperature, fixed	-40 - +80 °C
temperature, moved/ during installation	-5 - +80 °C
bending radius, fixed installation	5 x D _A
impedance	100 Ohm
loop resistance	44 Ohm/km
test voltage	1500 V
core identification	red, green

Application:

PROFIBUS is a international fieldbus standard for universal application in production and process control.

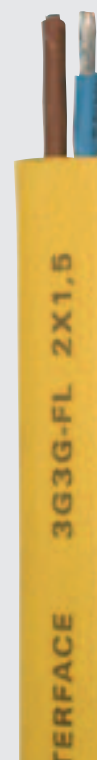
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
101056	01X2X1 UL	bu	45	7,9	73	dr.
101057	01X2X1 UL	bk	45	7,9	73	dr.

ASI-Busleitung

Application:

As field bus cable for the lowest level (binary sensors and actuators). The cable is suitable for fixed laying and flexible use indoors.

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 D _A
bending radius, moved application	6 x D _A
operating capacity	55 nF/km
nominal voltage U	300 V
test voltage	2 kV
version	flat
core identification	colours acc. VDE 0293 (HD308)



p/n	type	colour	CU kg/km	D _A mm	w x h ca. mm	weight ca. kg/km	packaging
100568	FACAB AS-Interface BUS Gummi 02X1,5	ye	29	0	10 x 4	57	dr., c. 100
100569	FACAB AS-Interface BUS Gummi 02X1,5	bk	29	0	10 x 4	57	dr., c. 100
100570	FACAB AS-Interface BUS TPE 02X1,5	ye	29	0	10 x 4	57	dr.
100571	FACAB AS-Interface BUS TPE 02X1,5	bk	29	0	10 x 4	57	dr.
101025	FACAB AS-Interface BUS PUR 02X1,5	ye	29	0	10 x 4	57	dr.

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

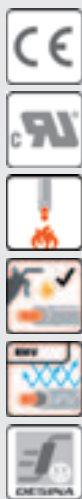
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CAN-Bus PVC



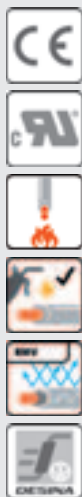
conductor material	bare copper
insulation	foam-PE
max. operating temperature, fixed	-5 - +70 °C
impedance	120 Ohm
operating capacity	40 nF/km
nominal voltage U	250 V
test voltage	1500 V

Application:

CAN-bus cable is used in the area of automation technology for the networking of controllers and control devices. The cable is available with different sheathing materials for various applications and environments.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100621	CAN-Bus PVC 02X2X0,22 UL/CSA fuer feste Verlegung	vt	36	7,5	70	dr.
101120	CAN-Bus PVC 01X2X0,22 UL/CSA fuer feste Verlegung	vt	17	6	38	dr.
100961	CAN-Bus PVC 02X2X0,34 UL/CSA fuer feste Verlegung	vt	46,4	8,5	88	dr., c. 100
100945	CAN-Bus PVC 01X2X0,5 UL fuer feste Verlegung	vt	42	7,3	83	dr.
100574	CAN-Bus PVC 02X2X0,5 UL/CSA fuer feste Verlegung	vt	59,4	9	106	dr.

CAN-Bus PUR



conductor material	bare copper
insulation	foam-PE
max. operating temperature, fixed	-5 - +70 °C
impedance	120 Ohm
operating capacity	60 nF/km
nominal voltage U	250 V
test voltage	1500 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. The cable is available with different sheathing materials for various applications and environments.

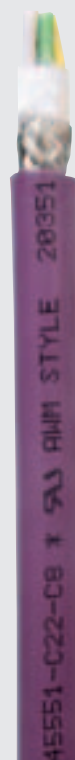
p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100926	CAN-Bus EFK PUR 04X1X0,25 fuer Schleppkette	vt	41,3	9,6	58	dr.
100573	CAN-Bus EFK PUR 02X2X0,5 UL/CSA fuer Schleppkette	vt	59,4	10,8	106	dr., c. 100
101121	CAN-Bus EFK PUR 01X2X0,5 UL/CSA fuer Schleppkette	vt	42	8,2	72	dr.

Interbus cable (IBS)

Application:

For connection of INTERBUS components (sensors, actors) with control units.

conductor material	bare copper
conductor construction	fine stranded class 5 or class 6
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30 - +70 °C
temperature, moved/during installation	-5 - +70 °C
bending radius, fixed installation	8 x D _A
bending radius, moved application	15 x D _A
impedance	100 Ohm
operating capacity	60 nF/km
nominal voltage U	250 V
test voltage	1500 V
core identification	colours acc. DIN 47100



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100517	Interbus Fernbus 03X2X0,22 fuer feste Verlegung (RBC)	vt	37	7,3	72	dr.
100737	Interbus Fernbus 03X2X0,25 fuer Schleppkette (RBC)	vt	40	8	77	dr.
100738	Interbus Installations-Fernbus 03X1,0 + 03X2X0,25 fuer Schleppkette (INBC)	vt	70	7,9	86	dr.

FACAB BUS LD

Application:

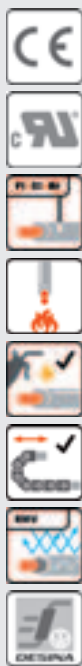
Serial bus-systems as MODBUS, SUCOnet, Modulink P etc. For installation in dry and wet rooms.

conductor material	bare copper
conductor construction	fine stranded, class 5
sheathing material	PVC
flame retardant	VDE 0482-332-1-2/IEC 60332-1
bending radius, fixed installation	8 x D _A
operating capacity	60 nF/km
loop resistance	186 Ohm/km
nominal voltage U	250 V
test voltage	1500 V
core identification	colours acc. DIN 47100



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100740	FACAB Busleitung LD 01X2X0,22	vt	18	5,7	37	dr.
100741	FACAB Busleitung LD 02X2X0,22	vt	28	7,1	45	dr., c. 100

FACAB BUS DeviceNet EFK



conductor material	tinned copper
conductor construction	fine stranded class 6
sheathing material	polyurethan
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-40 - +80 °C
temperature, moved/ during installation	-30 - +70 °C
bending radius, fixed installation	8 x D _A
bending radius, moved application	15 x D _A
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100842	DeviceNet (TM) FRNC 1X2X AWG 18 + 1X2X AWG 15 EFK Thick UL-Style CMX 75 C CL2X	vt	94	12,3	197	dr.
100843	DeviceNet (TM) FRNC 1X2X AWG 24 + 1X2X AWG 22 EFK Thin UL-Style CMX 75 C CL2X	vt	36	7,3	65	dr.

FACAB EIB



conductor material	bare copper
conductor construction	solid, class 1
insulation	PVC TI1
sheathing material	PVC TM1
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-30 - +70 °C
operating capacity	100 nF/km
nominal voltage U	300 V
test voltage	4 kV
core identification	colours acc. VDE 0815
attenuation at 800 Hz	1,1 dB/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 is redundant.

The cable may be installed on or under plaster, in ducts and installation channels in dry or wet rooms.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
101010	02X2X0,8	gn	21	6,3	55	dr., c. 100
101011	04X2X0,8	gn	41	8,8	92	dr.
101049	02X2X0,8	gn	21	6,3	55	c. 100, dr.

Inter-communication Bus

Application:

conductor material	bare copper
max. operating temperature, fixed	-30 - +80 °C
temperature, moved/ during installation	-5 - +50 °C
bending radius, fixed installation	8 x D _A
bending radius, moved application	12 x D _A
operating capacity	70 nF/km
test voltage	2000 V



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100503	2X1,5+2P	gn	53	8,5	90	dr.
100533	2X1,5+2P H	gy	57	8,5	90	dr.

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1 up to 30 kV

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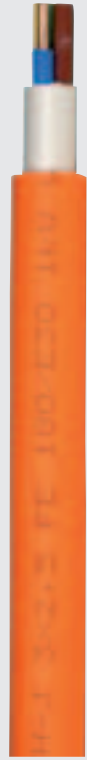
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NHXH-J/-O E30



standard	VDE 0266
conductor material	bare copper
conductor construction	class 1, from 25 sqmm class 2
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
fire resistance	FE 180
circuit integrity	E 30
maximum temperature at conductor	90 °C
max. operating temperature, fixed	-5 - +70 °C
bending radius, fixed installation	12 x D _A
nominal voltage U₀	0,6 kV
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011238	O 01X4 RE	og	38	6,9	100	dr.
011240	O 01X6 RE	og	58	7,9	120	dr.
011229	O 01X10 RE	og	96	8,1	160	dr.
011232	O 01X16	og	154	8,9	200	dr.
011235	O 01X25 RM	og	240	10,9	310	dr.
011237	O 01X35 RM	og	336	11,9	410	dr.
011239	O 01X50 RM	og	480	12,9	540	dr.
011241	O 01X70 RM	og	672	15,9	740	dr.
011242	O 01X95 RM	og	912	17,9	1020	dr.
011230	O 01X120 RM	og	1152	18,9	1380	dr.
011231	O 01X150 RM	og	1440	20,9	1560	dr.
011233	O 01X185 RM	og	1776	23,9	1930	dr.
011234	O 01X240 RM	og	2304	26,9	2540	dr.
011236	O 01X300 RM	og	2880	32,9	3180	dr.
011243	O 02X1,5 RE	og	29	10,2	190	dr.
011246	O 02X2,5 RE	og	48	10,9	220	dr.
011248	O 02X4 RE	og	77	11,9	270	dr.
011249	O 02X6 RE	og	115	12,8	320	dr.
011244	O 02X10 RE	og	192	14,4	430	dr.
011245	O 02X16	og	307	17,3	620	dr.
011247	O 02X25 RM	og	480	21,1	900	dr.
011044	J 03X1,5 RE	og	43	10,9	210	dr.
011171	J 03X2,5 RE	og	72	11,9	260	dr.
011172	J 03X4 RE	og	115	12,9	320	dr.
011194	J 03X6 RE	og	173	13,9	400	dr.
011182	J 03X10 RE	og	288	15,9	550	dr.
011185	J 03X16	og	461	17,9	790	dr.
011251	J 03X25 RM	og	720	23,9	1150	dr.
011253	J 03X35 RM	og	1008	25,9	1490	dr.
011255	J 03X50 RM	og	1440	28,9	1980	dr.
011257	J 03X70 RM	og	2016	31,9	2830	dr.
011252	J 03X25/16 RM	og	874	23,4	1500	dr.
011254	J 03X35/16 RM	og	1162	26,9	1800	dr.
011256	J 03X50/25 RM	og	1680	29,9	2600	dr.
011258	J 03X70/35 RM	og	2352	34,9	3400	dr.
011186	J 03X95/50 RM	og	3216	38,9	4600	dr.
011269	J03X120/70 RM	og	4128	42,9	5700	dr.
011270	J03X150/70 RM	og	4992	46,9	6800	dr.
011271	J03X185/95 RM	og	6240	52,9	8500	dr.
011272	J3X240/120 RM	og	8064	58,8	11000	dr.

NHXXH-J/-O E30

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011188	J 04X1,5	RE	og	58	11,9	240 dr.
011045	J 04X2,5	RE	og	96	12,9	300 dr.
011217	J 04X4	RE	og	154	13,9	390 dr.
011218	J 04X6	RE	og	230	14,9	490 dr.
011219	J 04X10	RE	og	384	16,9	670 dr.
011220	J 04X16		og	614	19,9	950 dr.
011221	J 04X25	RM	og	960	24,9	1430 dr.
011189	J 04X35	RM	og	1344	27,9	1890 dr.
011222	J 04X50	RM	og	1920	31,9	2510 dr.
011196	J 04X70	RM	og	2688	36,9	3650 dr.
011261	J 04X95	RM	og	3648	40,9	4750 dr.
011259	J 04X120	RM	og	4608	44,9	5910 dr.
011260	J 04X150	RM	og	5760	49,9	7240 dr.
011190	J 05X1,5	RE	og	72	12,9	280 dr.
011046	J 05X2,5	RE	og	120	13,9	354 dr.
011192	J 05X4	RE	og	192	14,9	450 dr.
011193	J 05X6	RE	og	288	16,9	570 dr.
011173	J 05X10	RE	og	480	18,9	820 dr.
011195	J 05X16		og	768	22,9	1140 dr.
011262	J 05X25	RM	og	1200	26,6	1710 dr.
012469	J 05X35	RM	og	1680	30,5	2384 dr.
011047	J 07X1,5	RE	og	101	13,9	330 dr.
011223	J 07X2,5	RE	og	168	14,9	430 dr.
013127	J 10X1,5		og	144	18	580 dr.
012838	J 10X2,5	RE	og	240	18	522 dr.
011214	J 12X1,5	RE	og	173	18,9	500 dr.
011180	J 12X2,5	RE	og	288	21,9	650 dr.
011263	J 19X1,5	RE	og	274	21,9	720 dr.
011264	J 19X2,5	RE	og	456	23,9	950 dr.
011265	J 24X1,5	RE	og	346	24,9	890 dr.
011266	J 24X2,5	RE	og	576	26,9	1210 dr.
011267	J 30X1,5	RE	og	432	25,9	1090 dr.
011268	J 30X2,5	RE	og	720	28,9	1470 dr.



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

NHXCH E30



standard	VDE 0266
conductor material	bare copper
conductor construction	class 1, from 25 sqmm class 2
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
fire resistance	FE 180
circuit integrity	E 30
maximum temperature at conductor	90 °C
max. operating temperature, fixed	-5 - +70 °C
bending radius, fixed installation	12 x D _A
nominal voltage U₀	0,6 kV
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.

p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011505	02X1,5/1,5	RE	og	52	10,8	300	dr.
011506	02X2,5/2,5	RE	og	80	11,9	350	dr.
011507	02X4/4	RE	og	123	12,9	420	dr.
013253	02X6/6		og	182	15	301	dr.
011278	03X1,5/1,5	RE	og	66	11,9	320	dr.
011215	03X2,5/2,5	RE	og	104	12,9	380	dr.
011831	03X150/70	RM	og	5100	46,9	7713	dr.
011832	03X185/95	RM	og	6383	52,9	8810	dr.
011280	04X1,5/1,5	RE	og	81	13,9	249	dr.
011281	04X2,5/2,5	RE	og	128	14,1	313	dr.
011282	04X4/4	RE	og	200	14,9	412	dr.
011226	04X6/6	RE	og	297	16,9	522	dr.
011224	04X10/10	RE	og	504	18,9	746	dr.
011181	04X16/16		og	796	21,9	1119	dr.
011167	04X25/16	RM	og	1142	26,9	1583	dr.
011183	04X35/16	RM	og	1526	29,9	2002	dr.
011227	04X50/25	RM	og	2203	33,9	2700	dr.
011168	04X70/35	RM	og	3082	38,9	3838	dr.
011184	04X95/50	RM	og	4208	42,9	5181	dr.
011274	04X120/70	RM	og	5388	46,9	6500	dr.
011275	04X150/70	RM	og	6540	52,9	7950	dr.
011276	04X185/95	RM	og	8159	58,9	10130	dr.
011277	04X240/120	RM	og	10546	64,9	13190	dr.
011279	07X1,5/2,5	RE	og	133	16,9	500	dr.
011283	07X2,5/2,5	RE	og	200	17,9	600	dr.
011284	12X1,5/2,5	RE	og	205	19,9	700	dr.
011285	12X2,5/4	RE	og	334	21,9	900	dr.

NHXX-J/-O E90

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.

standard	VDE 0266
conductor material	bare copper
conductor construction	class 1, from 25 sqmm class 2
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
fire resistance	FE 180
circuit integrity	E 90
maximum temperature at conductor	90 °C
max. operating temperature, fixed	-5 - +70 °C
bending radius, fixed installation	12 x D _A
nominal voltage U₀	0,6 kV
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)



p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012020	01X16	og	154	10,5	230	dr.
012021	01X25 RM	og	240	12,5	340	dr.
012022	01X35 RM	og	336	13,5	440	dr.
011757	01X50 RM	og	480	13,9	600	dr.
011843	01X70 RM	og	672	16,5	800	dr.
011756	01X95 RM	og	912	18,9	1100	dr.
011744	01X120 RM	og	1152	20,5	1350	dr.
011177	01X150 RM	og	1440	22,5	1650	dr.
011755	01X185 RM	og	1776	24,9	2000	dr.
011754	01X240 RM	og	2304	27,9	2600	dr.
011178	01X300 RM	og	2880	30,9	3200	dr.
012221	01X400 RM	og	3840	34,9	4200	dr.
012011	02X1,5 RE	og	29	13,9	210	dr.
013223	02X4	og	77	14,7	335	dr.
013224	02X6	og	115	15,7	400	dr.
013225	02X10	og	192	17,2	525	dr.
013226	02X16	og	307	19	693	dr.
010951	03X1,5 RE	og	43	14,9	210	dr.
010952	03X2,5 RE	og	72	15,9	243	dr.
012623	03X2,5 O RE	og	72	15,9	243	dr.
010953	03X4 RE	og	115	16,7	302	dr.
010954	03X6 RE	og	173	17,8	399	dr.
010955	03X10 RE	og	288	19,4	546	dr.
010956	03X16	og	461	22,3	765	dr.
010957	04X1,5 RE	og	58	16,1	245	dr.
010958	04X2,5 RE	og	96	16,9	299	dr.
010959	04X4 RE	og	154	17,9	376	dr.
010960	04X6 RE	og	230	19,2	474	dr.
010961	04X10 RE	og	384	21,1	657	dr.
010962	04X16	og	614	24,3	973	dr.
010963	04X25 RM	og	960	28,1	1422	dr.
010964	04X35 RM	og	1344	30,9	1858	dr.
011950	04X50 RM	og	1920	35,1	2900	dr.
011955	04X70 RM	og	2688	39,9	3900	dr.
011949	04X95 RM	og	3648	45,2	5200	dr.
011956	04X120 RM	og	4608	48,9	6300	dr.
011869	04X150 RM	og	5760	50,9	6800	dr.
011963	04X240 RM	og	9216	64,9	10700	dr.
010965	05X1,5 RE	og	72	17,4	290	dr.
010966	05X2,5 RE	og	120	18,4	359	dr.

NHXH-J/-O E90



p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
010967	05X4	RE	og	192	19,5	457	dr.
010968	05X6	RE	og	288	20,9	577	dr.
010969	05X10	RE	og	480	22,9	807	dr.
010970	05X16		og	768	26,6	1145	dr.
010971	05X25	RM	og	1200	30,9	1765	dr.
010989	07X1,5	RE	og	101	18,6	350	dr.
011124	07X2,5	RE	og	168	19,8	443	dr.
012928	07X6	RE	og	403,2	18,9	718	dr.
013128	10X1,5		og	144	20	538	dr.
011020	12X1,5	RE	og	173	23,5	545	dr.
011982	12X2,5	RE	og	288	25,2	780	dr.
011162	24X1,5	RE	og	346	26,9	735	dr.

NHXCH E90



standard	VDE 0266
conductor material	bare copper
conductor construction	class 1, from 25 sqmm class 2
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
fire resistance	FE 180
circuit integrity	E 90
maximum temperature at conductor	90 °C
max. operating temperature, fixed	-5 - +70 °C
bending radius, fixed installation	12 x D _A
nominal voltage U₀	0,6 kV
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)

p/n	type		colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011042	03X1,5/1,5	RE	og	66	16,8	348	dr.
011043	03X2,5/2,5	RE	og	104	17,9	410	dr.
011209	03X4/4	RE	og	161	18,9	500	dr.

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.

NHXCH E90

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
011208	03X6/6	RE	og	240	20,9	614 dr.
011207	03X10/10	RE	og	408	24,1	830 dr.
011206	03X16/16		og	643	27,3	1073 dr.
011205	03X25/16	RM	og	902	30,7	1450 dr.
011204	03X35/16	RM	og	1190	33,3	1798 dr.
011197	03X50/25	RM	og	1723	37,4	2394 dr.
011203	03X70/35	RM	og	2410	42,5	2796 dr.
011213	03X95/50	RM	og	3296	47,8	4434 dr.
011202	03X120/70	RM	og	4236	51,4	5534 dr.
011201	03X150/70	RM	og	5100	55,7	6546 dr.
011200	03X185/95	RM	og	6383	61,7	8303 dr.
011198	03X240/120	RM	og	8242	67,9	10605 dr.
010995	04X1,5/1,5	RE	og	81	17,9	398 dr.
010996	04X2,5/2,5	RE	og	128	19,2	470 dr.
010997	04X4/4	RE	og	200	20,3	578 dr.
010987	04X6/6	RE	og	297	22,5	726 dr.
010994	04X10/10	RE	og	504	26,4	983 dr.
010998	04X16/16		og	796	29,3	1370 dr.
010999	04X25/16	RM	og	1142	33,1	1904 dr.
010993	04X35/16	RM	og	1526	35,9	2427 dr.
011000	04X50/25	RM	og	2203	41,1	3177 dr.
011001	04X70/35	RM	og	3082	46,2	4378 dr.
011002	04X95/50	RM	og	4208	51,9	5803 dr.
011003	04X120/70	RM	og	5388	55,9	7230 dr.
011004	04X150/70	RM	og	6540	60,9	8707 dr.
011005	04X185/95	RM	og	8159	67,5	10894 dr.
011006	04X240/120	RM	og	10546	74,4	13933 dr.
011747	05X2,5/2,5	RE	og	152	0	480 dr.
011749	05X4/4	RE	og	238	20,5	600 dr.
010988	07X1,5/2,5	RE	og	133	20,9	498 dr.
011007	07X2,5/2,5	RE	og	200	22,1	680 dr.
012739	10X1,5	RE	og	176	23,1	520 dr.
011008	12X1,5/2,5	RE	og	205	26,2	718 dr.
011009	12X2,5/4	RE	og	334	28,4	1050 dr.
011748	12X4/6	RE	og	528	0	1100 dr.
011210	24X1,5/6	RE	og	413	37,6	1305 dr.
011211	24X2,5/10	RE	og	696	40,9	1400 dr.
011212	30X1,5/6	RE	og	499	39,8	1519 dr.
011199	30X2,5/10	RE	og	840	42,9	1550 dr.



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

LAN cables

Conductor ropes

Technical Appendix

JE-H(St)H FE180/E30



standard	VDE 0815
conductor material	tinned copper
conductor construction	solid, class 1
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
fire resistance	FE 180
circuit integrity	E 30
max. operating temperature, fixed	-5 - +50 °C
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100418	02X2X0,8	og	25	7,5	76	dr.
100419	04X2X0,8	og	45	9,3	130	dr.
100420	08X2X0,8	og	85	11,4	232	dr.
100421	12X2X0,8	og	126	13,5	318	dr.
100422	16X2X0,8	og	166	15	430	dr.
100423	20X2X0,8	og	206	16,5	514	dr.
100424	32X2X0,8	og	326	19,5	730	dr.
100425	40X2X0,8	og	407	22,5	962	dr.
100426	52X2X0,8	og	529	25,2	1200	dr.

JE-H(St)H FE180/E30 Brandmeldekabel



conductor material	bare copper
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
fire resistance	FE 180
circuit integrity	E 30
max. operating temperature, fixed	-30 - +70 °C
bending radius, fixed installation	15 x D _A
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100427	02X2X0,8	rd	25	7,5	76	dr.
100428	04X2X0,8	rd	45	9,3	130	dr.
100429	08X2X0,8	rd	85	11,4	232	dr.
100430	12X2X0,8	rd	126	13,5	318	dr.
100431	16X2X0,8	rd	166	15	430	dr.
100432	20X2X0,8	rd	206	16,5	514	dr.
100433	32X2X0,8	rd	326	20,5	730	dr.
100434	40X2X0,8	rd	407	22,1	962	dr.
100435	52X2X0,8	rd	529	25,1	1200	dr.

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.

JE-H(St)H FE180/E30-E90

standard	VDE 0815
conductor material	tinned copper
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
fire resistance	FE 180
circuit integrity	E30-E90
max. operating temperature, fixed	-5 - +50 °C
operating capacity	120 nF/km
test voltage	300 V
core identification	colours + rings

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100275	02X2X0,8	og	25	7,4	76	dr.
100276	04X2X0,8	og	45	11,1	130	dr.
100277	08X2X0,8	og	85	15,6	232	dr.
100292	12X2X0,8	og	126	18,1	318	dr.
100278	16X2X0,8	og	166	19,8	430	dr.
100279	20X2X0,8	og	206	22,5	514	dr.
100280	32X2X0,8	og	326	27,7	730	dr.
100281	40X2X0,8	og	407	30,8	962	dr.
100282	52X2X0,8	og	529	34,7	1200	dr.



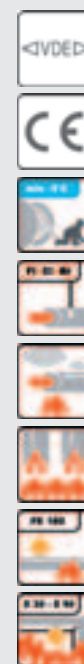
Application:

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.

JE-H(St)H FE180/E30-E90 BMK

standard	VDE 0815
conductor material	tinned copper
insulation	FRNC compound HI1
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-266-2-4/IEC 60332-3-24
fire resistance	FE 180
circuit integrity	E30-E90
max. operating temperature, fixed	-5 - +50 °C
operating capacity	120 nF/km
test voltage	300 V
core identification	colours + rings

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100283	02X2X0,8	rd	25	7,4	76	dr.
100284	04X2X0,8	rd	45	11,1	130	dr.
100285	08X2X0,8	rd	85	15,6	232	dr.
100286	12X2X0,8	rd	126	18,1	318	dr.
100287	16X2X0,8	rd	166	19,8	430	dr.
100288	20X2X0,8	rd	206	22,5	514	dr.
100289	32X2X0,8	rd	326	27,7	730	dr.
100290	40X2X0,8	rd	407	30,8	962	dr.
100291	52X2X0,8	rd	529	34,7	1200	dr.


Power cables
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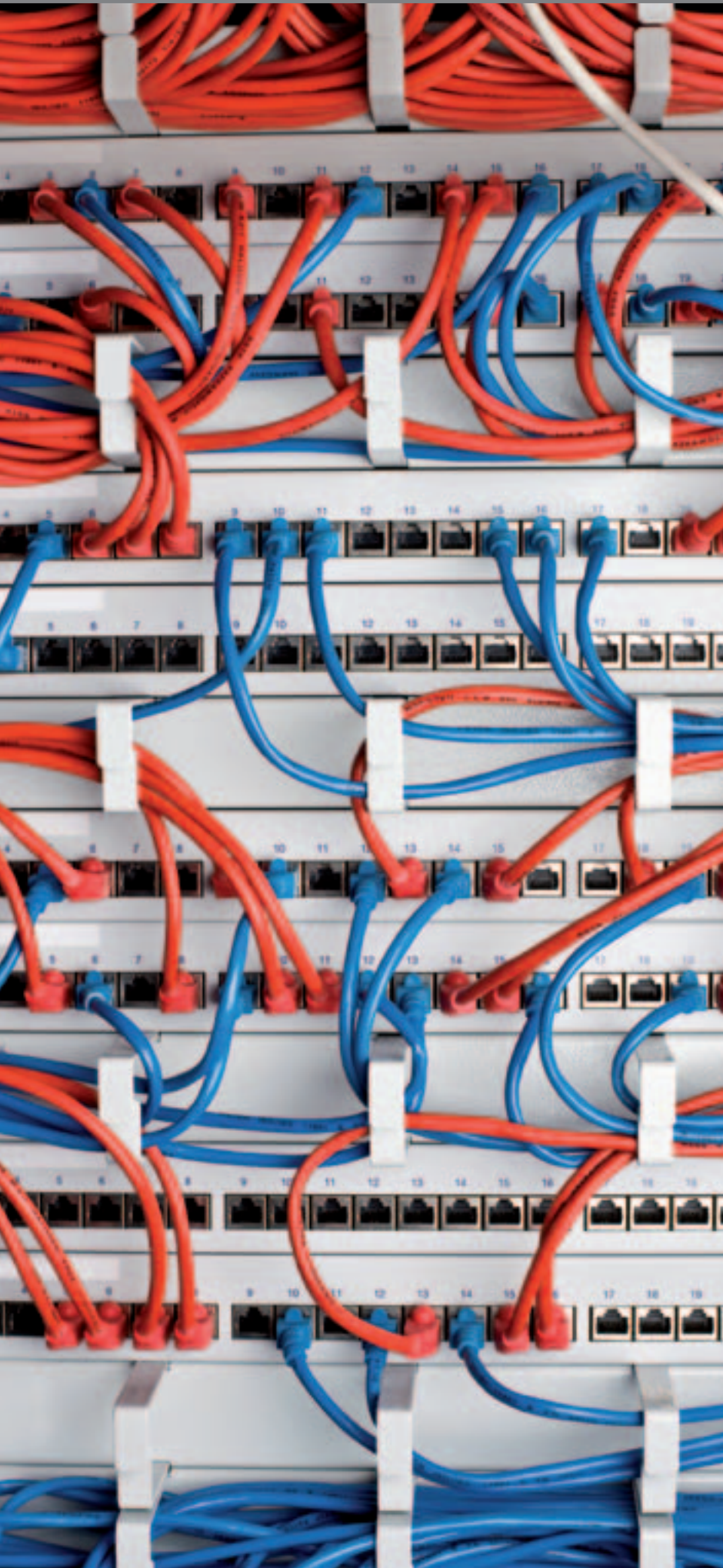
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FACAB dataline 100



standard	ISO/IEC 11801, EN 50173, EN 55022, E DIN 44312-5
conductor material	bare copper
insulation	polyolefin
sheathing material	polyolefin
bending radius, fixed installation	4 x D _A
bending radius, moved application	8 x D _A
impedance	100 Ohm
operating capacity	50 nF/km
velocity factor	0,66 v/c
test voltage	500 V
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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
100366	04X2XAWG 24	og	19,2	6,6	44	dr.
100386	04X2XAWG 26 flex	gy	10	5	27	dr.



FACAB dataline 200

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.

conductor material	bare copper
conductor construction	solid, class 1
insulation	cross-linked polyolefin-copolymer
sheathing material	polyolefin-compound HM4, FRNC
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	-5 - +50 °C
bending radius, fixed installation	8 x D _A
bending radius, moved application	4 x D _A
impedance	100 Ohm
operating capacity	50 nF/km
transfer impedance	100 Ohm/km
velocity factor	0,66 v/c
loop resistance	170 Ohm/km
core identification	colours acc. IEC 60708

p/n	type	colour	CU kg/km	D _A mm	w x h ca. mm	weight ca. kg/km	packaging
100592	04X2XAWG 24	og	29	6,6		54	dr., c. 100
100593	08X2XAWG 24	og	58	0	13,4 x 6,6	108	dr.



FACAB dataline 1000



conductor material	bare copper
insulation	foam-PE
sheathing material	FRNC-compound HM2
flame retardant	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed	- 20 bis 70 °C
bending radius, fixed installation	4 x D _A
bending radius, moved application	8 x D _A
impedance	100 Ohm
transfer impedance	5 Ohm/km
velocity factor	0,74 v/c
test voltage	500 V
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 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.

p/n	type	colour	CU kg/km	D _A mm	w x h ca. mm	weight ca. kg/km	packaging
100952	04X2XAWG 23	og	32	7,5		65	dr., c. 100, c. 50
100951	08X2XAWG 23	og	64		15,2 x 7,5	130	dr., c. 100, c. 50
101043	4X2AWG 23 (Reel-In-Box)	og	32	7,5		65	box
101196	8X2AWG 23 (Reel-In-Box)	og	64		15,2 x 7,5	130	box
101318	4X2AWG 23	og	32	7,5		65	c. 100



FACAB dataline 1000 outdoor



conductor material	bare copper
insulation	foam-PE
sheathing material	polyethylene
for outdoor use	yes
max. operating temperature, fixed	-20 - +70 °C
temperature, moved/ during installation	-20 - +50 °C
bending radius, fixed installation	4 x D _A
bending radius, moved application	8 x D _A
impedance	100 Ohm
velocity factor	0,78 v/c

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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
101008	04X2XAWG 23	bk	44	9,4	95	dr.



I-V(ZN)H

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.

standard	ISO/IEC 794, DIN VDE 0888
fiber quality	standard
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-332-1-2/IEC 60332-1
for outdoor use	no
max. operating temperature, fixed	-20 - 60 °C
temperature, moved/ during installation	-20 - 60 °C

p/n	type	colour	D _A mm	weight ca. kg/km	packaging
070114	02X1G50	og	6	19,3	dr.
070112	01X4G50	og	5,1	32	dr.
070113	02X1G62,5	og		19,3	dr.
070111	01X4G62,5	og	5,1	32	dr.



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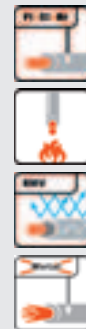
I-D(ZN)H

Application:

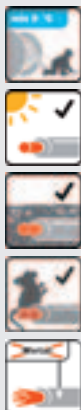
Optical indoor cable with central multi fiber loose buffer and halogen-free outer sheath. For installation inside of buildings on cable trays and in cable ducts. The cable must be terminated with a cable termination or in a cable splitter, direct mounting of fiber-connectors is not possible.

standard	ISO/IEC 794, DIN VDE 0888
fiber quality	standard
sheathing material	FRNC-compound HM1
flame retardant	VDE 0482-332-1-2/IEC 60332-1
for outdoor use	no
max. operating temperature, fixed	-20 - 60 °C
temperature, moved/ during installation	-20 - 60 °C

p/n	type	colour	D _A mm	weight ca. kg/km	packaging
070110	01X4G50	og	6	33	dr.
070108	01X8G50	og	6	33	dr.
070106	01X12G50	og	6	33	dr.
070220	01X24G50	og	10	35	dr.
070109	01X4G62,5	og	6	33	dr.
070107	01X8G62,5	og	6	33	dr.
070105	01X12G62,5	og	6	33	dr.
070243	01X8G50	OH		33	dr.
070244	01X12G50	OH		33	dr.
070245	01X24G50	OH		35	dr.
070242	01X4G50	OH		33	dr.



A-DQ(ZN)B2Y



standard	ISO/IEC 794, DIN VDE 0888
standard fiber quality	on request
bendig radius with tension load	220 mm
bending radius without tension load	170 mm
sheathing material	polyethylene
flame retardant	no
for outdoor use	yes
max. operating temperature, fixed	-20 - +70 °C
temperature, moved/ during installation	0 - +50 °C

Application:

Fiber optical cable with central or stranded tubes with non-metallic armour and rodent protection. Swelling elements within the strand ensure longitudinally water-tightness 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.

p/n	type	colour	D _A mm	weight ca. kg/km	packaging
070044	01X4G50	bk	8,4	64	dr.
070137	01X6G50	bk	8,4	64	dr.
070049	01X8G50	bk	8,4	64	dr.
070006	01X12G50	bk	8,4	64	dr.
070089	01X16G50	bk	8,4	64	dr.
070095	01X24G50	bk	8,4	74	dr.
070091	03X12G50	bk	11,5	107	dr.
070086	04X12G50	bk	11,5	107	dr.
070067	01X4G62,5	bk	8,4	64	dr.
070023	01X6G62,5	bk	8,4	64	dr.
070104	01X8G62,5	bk	8,4	64	dr.
070066	01X12G62,5	bk	8,4	64	dr.
070138	01X16G62,5	bk	8,4	64	dr.
070103	01X24G62,5	bk	9,2	74	dr.
070202	03X12G62,5	bk	11,5	107	dr.
070090	04X12G62,5	bk	11,5	107	dr.
070251	01X4G50	SH		64	dr.
070252	01X6G50	SH		64	dr.
070253	01X8G50	SH		64	dr.
070254	01X12G50	SH		64	dr.
070255	01X16G50	SH		64	dr.
070256	01X24G50	SH		74	dr.
070257	03X12G50	SH		107	dr.
070258	04X12G50	SH		107	dr.
070192	01X4E9	bk		64	dr.
070164	01X8E9	bk		64	dr.
070159	01X12E9	bk		64	dr.
070193	01X24E9	bk		74	dr.
070236	04X12E9	bk		107	dr.
070673	12X12E9	bk	19,5	280	dr.

U-DQ(ZN)BH

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.

standard	ISO/IEC 794, DIN VDE 0888
standard fiber quality	on request
bending radius with tension load	150 mm
bending radius without tension load	140 mm
sheathing material	polyolefin
flame retardant	VDE 0482-332-1-2/IEC 60332-1
for outdoor use	yes
max. operating temperature, fixed	-20 - +70 °C
temperature, moved/ during installation	-5 - +50 °C



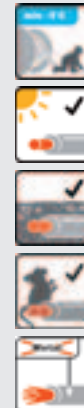
p/n	type	colour	D _A mm	weight ca. kg/km	packaging
070698	01X12G50	bk	6,4	48	dr.
070699	01X24G50	bk	7,5	62	dr.
070700	01X12G62,5	bk	6,4	48	dr.
070701	01X24G62,5	bk	7,5	62	dr.

A-DQ(ZN)B2Y ... 1,2 kN (Zentralader)

Application:

Fiber optical cable with central or 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.

standard	ISO/IEC 794, DIN VDE 0888
standard fiber quality	on request
bending radius with tension load	160 mm
bending radius without tension load	140 mm
sheathing material	polyethylene
flame retardant	no
for outdoor use	yes
max. operating temperature, fixed	-20 - +70 °C
temperature, moved/ during installation	-5 - +50 °C



p/n	type	colour	D _A mm	weight ca. kg/km	packaging
070682	01X12G50	bk	6	43	dr.
070683	01X24G50	bk	7	59	dr.

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RG-cable**Application:**

For transmission of data and RF signal in a wide range of frequencies and distances, for connection of receiving and transmitting antennas etc.

p/n	type	Z Ohm	CU kg/km	D _A mm	G kg/km	packaging
100476	RG 8/U	50	54,8	9,5	125	Tr.
100258	RG 11 A/U	75	56	10,2	144	Tr.
100104	RG 58 C/U	50	20	5,0	38	Tr.
100605	RG 58 C/U FRNC	50	20	5,0	38	Tr.
100095	RG 59 B/U	75	24	6,1	57	Tr., Rg. 100
100967	RG 59 B/U FRNC	75	24	6,1	57	Tr.
100101	RG 62 A/U	93	25	6,2	52	Tr., c. 100
100182	RG 71 B/U	93	45	6,2	65	Tr.
100848	RG 142 B/U	50	47	4,6	65	Tr.
101019	RG 174 A/U	50	6	2,8	11	Tr., Rg. 100
100353	RG 179 B/U	75	7	2,5	16,5	Tr.
100201	RG 213	50	76	10,3	155	Tr.
100529	RG 214 /U	50	118	10,8	205	Tr.



Application:

For connection of satellite antennas/dishes, video and BC-TV components, but also for terrestrial antennas.

p/n	type	CU kg/km	G kg/km	D _A mm
100485	FACAB SAT 0,7/2,9 DIGITAL 75 Ohm WS	12,5	29	4,5
100477	FACAB SAT 0,7/2,9 Twin 75 Ohm WS	26,0	58	4,5x10
101085	FACAB SAT Quattro (4 X 0,7/2,9) DIGITAL 90 dB 75 Ohm WS	50,0	145	12,9
101263	FACAB HD-SAT 0,8/3,6 DIGITAL 3-S >90 dB WS	15,0	41	5,8
100867	FACAB SAT 1,1/5,0 DIGITAL 1GHz 75 Ohm WS	21,0	51	6,8
100478	FACAB SAT 1,1/5,0 DIGITAL 3 GHz 75 Ohm WS	25,0	55	6,8
100492	FACAB SAT 1,1/5,0 halogenfrei DIGITAL 3 GHz 75 Ohm WS	25,0	55	6,8
100616	FACAB SAT 1,0/4,6 DIGITAL 4-S >105 dB 75 Ohm WS	25,0	48	7,0
101206	FACAB HD-SAT 1,0/4,6 DIGITAL 3-S >115 dB WS	17,0	46	7,0
101362	FACAB HD-SAT 1,0/4,6 DIGITAL 3-S >115 dB SW halogenfrei	17,0	46	7,0
100946	FACAB HD-SAT 1,0/4,6 DIGITAL 4-S >120 dB WS	26,0	55	7,0
100498	SAT+BK PE Erdkabel 1,6/7,3 DIGITAL 75 Ohm GN	50,5	105	10,3
101269	HD-SAT+BK PE Erdkabel 1,6/7,3 DIGITAL 3-S >100 dB 75 Ohm SW	39,0	107	10,3
101363	HD-SAT+BK PE halogenfrei 1,6/7,3 DIGITAL 3-S >100 dB 75 Ohm SW	39,0	107	10,3
101042	HD-SAT+BK PE Erdkabel 1,6/7,3 DIGITAL 4-S >120 dB 75 Ohm SW	50,5	107	10,3
100463	FACAB VIDEO 0,6/3,7 75 Ohm GN	24,0	45	6,2
100735	FACAB VIDEO flexibel 0,6L/3,7 75 Ohm GN	24,0	45	6,2
100469	FACAB VIDEO halogenfrei 0,6/3,7 75 Ohm GN	24,0	45	6,2
100472	FACAB VIDEO PE 1,0/6,6 75 Ohm GN mit Metermarkierung	39,0	108	9,1
100604	FACAB VIDEO Aussenkabel 1,0/6,6 75 Ohm SW	39,0	108	9,1
101012	Video Systemkabel 0,6/3,7 75 Ohm + 2X0,5 qmm SW	36,0	96	10,1x6,1
100719	Video Systemkabel 0,6/3,7 75 Ohm + 2X0,75 qmm SW	38,0	99	11,8x6,1
110251	A-2YK2Y1 iKx 1,1/7,3 75 Ohm SW	69	142	11,0
110161	A-2YOK2Y1 nKx 2,2/8,8 75 Ohm SW	115	183	12,5
110162	A-2YOK2Y1 qKx 3,3/13,5 75 Ohm SW	208	347	17,0
110250	A-2YOK2Y1 sKx 4,9/19,4 75 Ohm SW	375	500	24,4





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>>> Copper conductor

ESUY



conductor material	bare copper
conductor construction	fine stranded class 6
insulation	PVC
temperature, moved/ during installation	-5 - +70 °C
test voltage	5 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.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
033441	01X16	TR	194	9,6	213	dr.
033442	01X25	TR	280	10,7	305	dr.
031947	01X35	TR	415	12,5	575	dr.
032102	01X50	TR	585	14,2	670	dr.
032323	01X70	TR	820	16,8	910	dr.
031915	01X95	TR	1090	19,8	1220	dr.
033163	01X120	TR	1360	23,2	1505	dr.
034775	01X150	TR	1650	26,3	1945	dr.
034776	01X185	TR	2150	30	2395	dr.
034777	01X240	TR	2750	33	3095	dr.



Copper conductor

standard VDE 0295 / IEC 60228

Application:

For earthing purposes in electrical installations.

p/n	type	colour	CU kg/km	D _A mm	weight ca. kg/km	packaging
012470	50 7X3	BK	480	9	480	dr.
012238	50 19X1,8	VZ	480	9	480	dr.
012239	50 19X1,8	BK	480	9	480	dr.
012240	70 19X2,1	VZ	672	10,5	672	dr.
012241	70 19X2,1	BK	672	10,5	672	dr.
012242	95 19X2,5	VZ	912	12,5	912	dr.
012243	95 19X2,5	BK	912	12,5	912	dr.
012244	120 19X2,8	VZ	1152	14	1152	dr.
012245	120 19X2,8	BK	1152	14	1152	dr.
012235	120 37X199	VZ	1152	14,1	1152	dr.
012246	120 37X199	BK	1152	13,9	1152	dr.
012247	150 37X225	VZ	1470	15,8	1470	dr.
012248	150 37X225	BK	1470	15,8	1470	dr.
012597	150 37X53,3	VZ	1470	15,8	1470	dr.
012457	185 37X25	VZ	1776	17,5	1776	dr.
012254	240 61X221	VZ	2304	20,2	2304	dr.
012255	240 61X221	BK	2304	20,2	2304	dr.
012971	240 61X225	VZ	2304	20,2	2304	dr.
012972	240 61X232	BK	2304	20,2	2304	dr.
012792	300 61X253	VZ	2880	23,1	2880	dr.





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**Power cables
acc. to VDE 0250**

□ □ □ □ □ □ □ □ X □
1 2 3 4 5 6 7 8

1. Relationship to Standards
N according to VDE
(N)/X with reference to VDE

2. Insulating materials

Y PVC
4Y polyamide
5Y PTFE (teflon)
6Y FEP (teflon)
9Y polypropylen
11Y polyurethan (PUR)
2X XLPE
G elastomer
2G silikon
3G EPR-rubber
4G EVA
5G polychloroprene
HX LSOH

3. Cable description

A single-core
D solid wire
AF single-core, fine stranded
F flexible wire for fittings
L fluorescent tube cable
LH connecting cable for light mechanical load
MH connecting cable for middle mechanical load
SH connecting cable for, heavy mechanical load
SSH connecting cable for special mechanical load
SL control/welding cable
S control cable
LS light control cable
FL flat cable
Si silicon cable
Z twin cable
GL glass fibre
Li stranded wires acc to. VDE 812
LiF fine stranded wires acc. to VDE 812

4. Special constructions

T strength member
ö oil-resistant
u flame resistant
w heat-/weather resistant
FE fire resistant
C screen
S steel wire armouring

5. Sheathing materials I

see 2.insulation materials
P Polyurethan

6. Protective conductor

-J with green/yellow core
-O without green/yellow core

7. Number of cores**8. Cross-section of conductor****Harmonized cables
acc. to VDE 0281/0282**

□ □ □ □ □ □ □ □
1 2 3 4 - 5 6 7 8 9

1. Relationship to Standards
H Harmonized type (HAR)

A authorised national standards

2. Nominal voltage

01 100 V
03 300/300 V
05 300/500 V
07 450/750 V
11 600/1000 V

3. Insulating materials

V PVC
V2 PVC (90 oC)
V3 PVC cold-resistant
B EPR-rubber (90 °C)
G EVA
E PE
R natural or synthetic rubber
S silikon rubber
X XLPE
Z LSOH -compound

4. Sheathing materials

V PVC
V2 PVC (90 oC)
V3 PVC cold-resistant
V4 PVC cross-linked
V5 PVC oil-resistant
R natural or synthetic rubber
N chloroprene rubber
N2 chloroprene rubber for welding cables
N4 chloroprene rubber heat-resistant
N8 chloroprene rubber (water-resistant)
J glass fibre braid
T textil braid
T6 textil over each core
Q polyurethan (PUR)
Q4 polyamide
Z LSOH -compound

5. Special constructions

C concentric copper conductor
C4 copper braided screen
H flat , divisible cords
H2 flat , non divisible cords
H6 flat , non divisible cords for elevators
H7 two-layer insulating jacket
H8 helical cord

6. Conductor form

U round, solid
R round, stranded
K fine stranded, (fixed installation)
F fine stranded (flexibel cords)
H fine stranded (highly flexible)
Y tensil conductor
D fine stranded for welding cables
E fine stranded for welding cables (highly flexible)

7. Number of cores**8. Protective conductor**

X without green/yellow core
G with green/yellow core

9. Cross-section of conductor**Telecommunication cables
acc. to VDE 0815/16**

□ □ - □ □ □ □ X □ X □ □ □
1 2 3 4 5 6 7 8 9 10

1. Relationship to Standards

A outdoor cable
G mining cable
J installation cable
L equipment wire
S switch cable
Li equipment wire with fine stranded conductor
RD rhenomatic-cable
RE instrumentation cable

2. Additional specifications

B lightning protection
J Induktion protection
E Industry-electronics

3. Insulating materials

Y PVC
2Y PE
02Y cell-PE
02YS foam-Skin
5Y PTFE (teflon)
6Y FEP (teflon)
7Y ETFE (teflon)
P paper

4. Special construction

F petrol jelly filler
L aluminium sheath
LD corrugated Al.-sheath
(L) laminated aluminium sheath
C copper braided screen
(St) screen of plastic coated Al-foil
(K) copper tape screen
(B) amouring
(Z) steel wire amouring
(Zg) strain-bearing element with glass yarn bundles
(ZN) strain-bearing element non metallic
W corrugated steel sheath
M lead sheath
Mz special lead sheath
b amouring
c jute jacket+ bituminous compound
E compound with embedded tape

5. Sheathing materials

see 3.insulation materials

6. Number of elements

number of stranding elements

7. Stranding elements

1 single core
2 pair
4 quat

8. Conductor diameter**9. Typ of stranding**

F star quad (railway)
St star quad with phantom circiut (long distance)
St I star quad (long distance)
St III star quad (subscriber line)
TF star quad for carrier frequenyc
PiMF pair in metal foil
DiMF triple in metal foil
ViMF quad in metal foil

10. Stranding layout

Lg stranding in layer
Bd stranding in unit

**Power cables
acc. to VDE 0276**

□ □ □ □ □ □ □ □ □ □ X □
1 2 3 4 5 6 7 8 9 10 11 12

1. Relationship to Standards
N according to VDE
(N) with reference to VDE

2. Conductor

- copper
A aluminium

3. Insulating materials

Y PVC
2Y PE
2X XLPE
H LSOH compound

4. Concentric conductor

C Concentric copper conductor
CW Concentric copper conductor reversing lay up

5. Screen

S common copper shield
SE individually screened cores

6. Metal sheath

K lead

7. Inner protection or plastic sheath

see 3.insulation materials

8. Armouring

F flat steel wire
R round steel wire
G steel tape

9. Outer sheath

see 3.insulation materials

10. Protective conductor

-J with green/yellow core
-O without green/yellow core

11. Number of cores**12. Conductor form**

RE round, solid
RM round, stranded
SE sector shaped, solid
SM sector shaped, stranded

according to VDE 0815

► 1. Colour coding for installation cables

J-Y(St)Y ... Lg

For two-pair cable

pair 1: a-red, b-black
pair 2: a-white, b-yellow

For cables with more than 2 pairs

- > The colour of the a-core in the first pair of each layer is red ("counting" pair), in all other pairs it is white.
- > The colour of the b-core is blue, yellow, green, brown, black in repeating order as follows:

colour of b-core	Nr. of pair									
blue	1	6	11	16	21	26	31	36	41	46
yellow	2	7	12	17	22	27	32	37	42	47
green	3	8	13	18	23	28	33	38	43	48
brown	4	9	14	19	24	29	34	39	44	49
black	5	10	15	20	25	30	35	40	45	50
blue	51	56	61	66	71	76	81	86	91	96
yellow	52	57	62	67	72	77	82	87	92	97
green	53	58	63	68	73	78	83	88	93	98
brown	54	59	64	69	74	79	84	89	94	99
black	55	60	65	70	75	80	85	90	95	100

► 2. Colour coding for installation cables

JE-Y(St)Y ... Bd JE-LiCY ... Bd JE-H(St)H ... Bd JE-LiHCH ... Bd RD-Y(St)Y AJ-Y(St)YDY Bd Si

For two-pair cable

pair 1: a-blue, b-red
pair 2: a-grey, b-yellow

For cables with more than 2 pairs

Colour of basic insulation of pairs in one bunch:

Paar	1		2		3		4	
core	a	b	a	b	a	b	a	b
colour	blue	red	grey	yellow	green	brown	white	black

For identification of bunches, cores are marked with black rings and bunches are wrapped by a colored tape.

> ring group I	
> ring group II	
> ring group III	
> ring group IV	



according to VDE 0815

► Identification of bunches

Bunch-N°	Colour of rings	rings for bunches of		tape
		4 cores	8 cores resp. 4 pairs	
1	pink	I	I	-
2		I	II	-
3		II	III	-
4		II	IV	-
5	orange		I	-
6			II	-
7			III	-
8			IV	-
9	violet		I	-
10			II	-
11			III	-
12			IV	-
13	pink		I	blue
14			II	
15			III	
16			IV	
17	orange		I	red
18			II	
19			III	
20			IV	

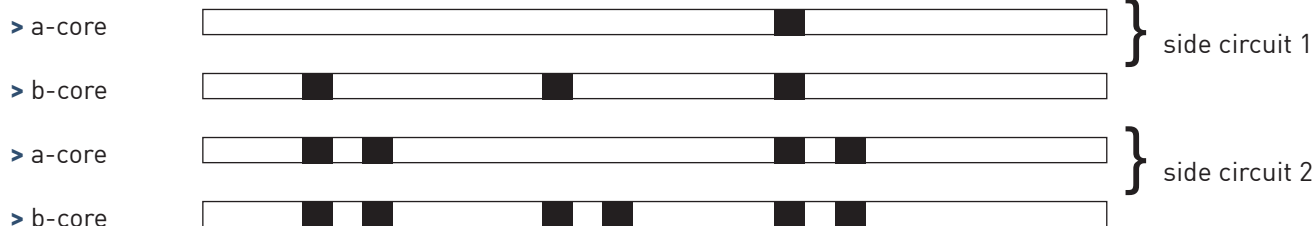
► 3. Colour coding for installation cables

J-YY ... Bd J-H(St)H ... Bd J-2Y(St)Y St III Bd

The five star-quads of each bunch have the following identification:

1. basic insulation of all cores rot
2. basic insulation of all cores green
3. basic insulation of all cores grey
4. basic insulation of all cores yellow
5. basic insulation of all cores white

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



The counting bunch is marked by a red tape in each layer. All other bunches have a white or nature tape.

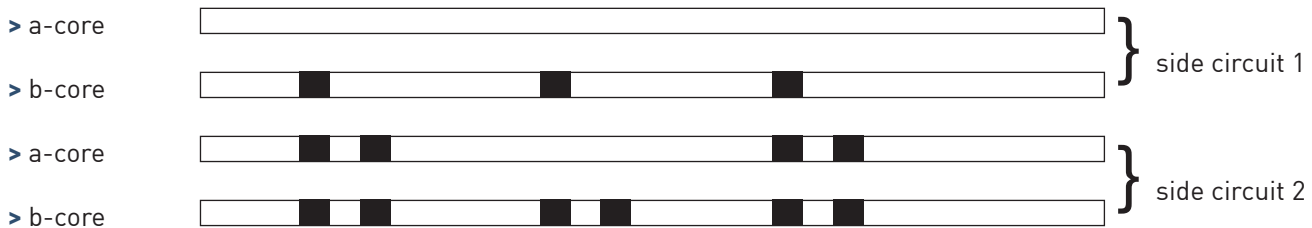
► 4. Core identification for outdoor telephone cables

The five star-quads of each basic unit have the following identification:

- Quad 1. basic insulation of all cores red
- Quad 2. basic insulation of all cores green
- Quad 3. basic insulation of all cores grey
- Quad 4. basic insulation of all cores yellow
- Quad 5. basic insulation of all cores white

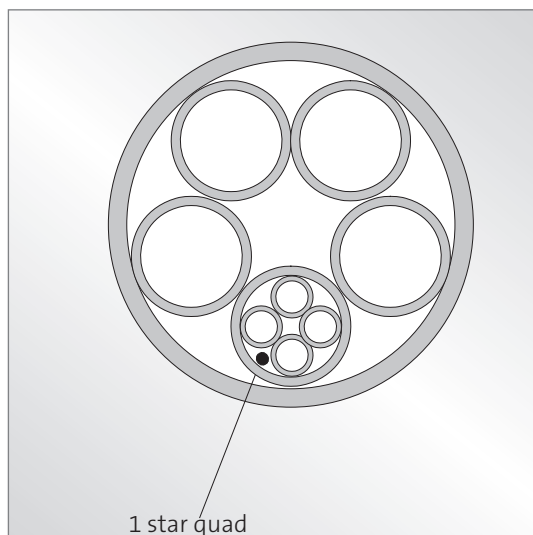
The basic insulation of spare quads is red.

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

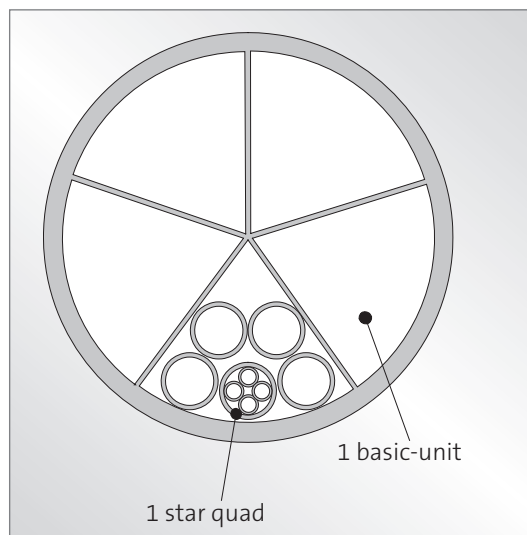


The first basic- or main-unit in each layer is to be marked by an open helix of plastic tape of red (marker). All other basic- or main-units must be wrapped with an open helix of white or uncoloured plastic tape. The quads of a basic-unit are to be counted according to the sequence of basic colours. In cables with more than 5 star quads, the basic- and main-units must be counted continuously beginning with maker-unit at inner layer towards outside.

► Examples for unit stranding:



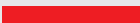
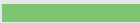
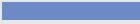
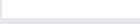
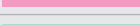
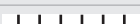
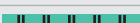
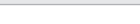
> 5 star quads stranded into basic unit



> 5 basic units each stranded into one main unit = 50 D_A

FACAB® dataline LWL colour code

The following colors are used for identification of fibers in loose tubes of standard optical cables (with reference to VDE 0888-3, IEC 60304):

Fiber-N°.	colour
1	 red
2	 green
3	 yellow
4	 blue
5	 white
6	 violet
7	 orange
8	 black
9	 grey
10	 brown
11	 pink
12	 turquoise
13	 red/black
14	 green/black
15	 yellow/black
16	 blue/black
17	 white/black
18	 violet/black
19	 orange/black
20	 natur/black
21	 grey/black
22	 brown/black
23	 pink/black
24	 turquoise/black
25	 red/black/black
26	 green/black/black
27	 yellow/black/black
28	 blue/black/black
29	 white/black/black
30	 violet/black/black
31	 orange/black/black
32	 natur/black/black
33	 grey/black/black
34	 brown/black/black
35	 pink/black/black
36	 turquoise/black/black

The first colour is the basic colour of the fiber, second and third colours are applied as rings on the fiber.

For optical cables with stranded units the following colours are used:

- > 1. unit: red (counting unit)
- > 2. unit: green (direction unit)
- > all other units have natural colour
- > blinds are black



according to DIN 47 100 & abbreviations acc. to IEC 60757

The colour code according to **table 1** without repeating colors from core 46 resp. pair 23 is used for electronic cables LiYY, LiYCY and similar types. Counting of cores starts in the outer layer of the strand and is continued through all layers in the same direction. The first colour in the table is the colour of insulation, the second and third ones are printed rings. **Table 2** contains German and English abbreviations for colors acc. to IEC 60757. The table does not correspond to any order of colors/cores in a cable!

> **Table 1: Core identification acc. to DIN 47 100**

Colour	stranded cores core N°	twisted core	pairs Paar- Nr.
white	1	a	1
brown	2	b	
green	3	a	2
yellow	4	b	
grey	5	a	3
pink	6	b	
blue	7	a	4
red	8	b	
black	9	a	5
violet	10	b	
grey pink	11	a	6
red blue	12	b	
white green	13	a	7
brown green	14	b	
white yellow	15	a	8
yellow brown	16	b	
white grey	17	a	9
grey brown	18	b	
white pink	19	a	10
pink brown	20	b	
white blue	21	a	11
brown blue	22	b	
white red	23	a	12
brown red	24	b	
white black	25	a	13
brown black	26	b	
grey green	27	a	14
yellow grey	28	b	
pink green	29	a	15
yellow pink	30	b	

Colour	stranded cores core N°	twisted core	pairs Paar- Nr.
green blue	31	a	16
yellow blue	32	b	
green red	33	a	17
yellow red	34	b	
green black	35	a	18
yellow black	36	b	
grey blue	37	a	19
pink blue	38	b	
grey red	39	a	20
pink red	40	b	
grey black	41	a	21
pink black	42	b	
blue black	43	a	22
red black	44	b	
white brown black	45	a	23
yellow green black	46	b	
grey pink black	47	a	24
red blue black	48	b	
white green black	49	a	25
brown green black	50	b	
white yellow black	51	a	26
yellow brown black	52	b	
white grey black	53	a	27
grey brown black	54	b	
white pink black	55	a	28
pink brown black	56	b	
white blue black	57	a	29
brown blue black	58	b	
white red black	59	a	30
brown red black	60	b	
black white	61		

> **Table 2 Abbreviations of colors according to IEC 60757**

colour German	German abbreviation	Colour	English abbreviation
schwarz	SW	black	BK
braun	BR	brown	BN
rot	RT	red	RD
orange	OR	orange	OG
gelb	GE	yellow	YE
grün	GN	green	GN
blau	BL	blue	BU
violett	VI	violet	VT
grau	GR	grey	GY
weiß	WS	white	WH
rosa	RS	pink	PK
gold		gold	GD
türkis	TK	turquoise	TQ
silber		silver	SR
grün-gelb	GG	green-yellow	GNYE

Identification of cores acc. to VDE 0293

► 1. Cables/cords with gn-ye protective conductor

old DIN VDE 0293		Version	No. of cores	new DIN VDE 0293-308:2003
fixed	flexible			fixed and flexible
gn-ye, bk, bu 	gn-ye, bn, bu 	with gn-ye (-J) or ... G ...	3	gn-ye, bu, bn 
gn-ye, bk, bu, bn 			4	gn-ye, bn, bk, gy 
gn-ye, bk, bu, bn, bk 			5	gn-ye, bu, bn, bk, gy 

bu = blue, bn = brown, gn-ye = green-yellow, gy = grey, bk = black

► 2. Cables/cords without gn-ye protective conductor

old DIN VDE 0293		Version	No. of cores	new DIN VDE 0293-308:2003
fixed	flexible			fixed and flexible
bk, bu 	bn, bu 	without gn-ye	2	bu, bn 
bk, bu, bn 			3	bn, bk, gy 
bk, bu, bn, bk 			3½	bu, bn, bk, gy 
bk, bu, bn, bk 		(-O) or ... X ...	4	bu, bn, bk, gy 
bk, bu, bn, bk, bk 			5	bu, bn, bk, gy, bk 

bu = blue, bn = brown, gy = grey, bk = black

Selection help for drag-chain cables

	insulation/ sheath	screen	page
1. Single cores			
FACAB EFK SC 12Y11Y	TPE/PUR	-	173
FACAB EFK SC 12YC11Y	TPE/PUR	+	174
2. Control cables			
FACAB EFK 250 P	PVC/PUR	-	
FACAB EFK 300 P	PP/PUR	-	178
FACAB EFK 300 CP	PP/PUR	+	179
FACAB EFK 310 Y	PVC/PVC	-	175
FACAB EFK 310 CY	PVC/PVC	+	176
3. Electronic cables			
FACAB EFK Li9YC11Y	PP/PUR	+	185
4. Bus-cables			
CAN-Bus EFK		+	190
Profi-Bus EFK		+	188
Device-Net EFK		+	190
Interbus Fernbus EFK		+	191
5. Servo-cable			
FACAB EFK SERVO-CP INDDRAMAT	TPE/PUR	+	182
FACAB EFK SERVO-CP Siemens	PP/PUR	+	183
6. Feedback-cable			
FACAB EFK Feedback-CP Indramat	TPE/PUR	+	181
FACAB EFK Feedback-CP Siemens	PP/PUR	+	184

Legend:

PVC - polyvinylchlorid
 TPE - thermoplastic elastomer
 PP - polypropylen
 PUR - polyurethan



Properties* of insulating and seath materials

	Designation			electrical					thermal					
	VDE des.	Code	Material	Density	Electr. Strength	Specific insulation resistance	Dielectr. Coefficient	Tangent of loss angle	Service temperature		Meltingpoint	Burning behav.	Oxygen LOI	Heating value Ho
				g/cm ³	kV/mm	Ω·cm 20 °C	50 Hz/ 20 °C	tan α	contin. °C	short °C	+ °C		(% O ₂)	MJ·kg ⁻¹
Thermoplastics	Y	PVC	Polyvinyl chloride mixtured	1,35-1,5	25	10 ¹³ -10 ¹⁵	3,6-6	4x10 ⁻² - 1x10 ⁻¹	- 30 + 70	+ 100	> 140	selfexting- uishing	23-42	17-25
	Yw	PVC	temperature resistance 90 °C	1,3-1,5	25	10 ¹² -10 ¹⁵	4-6,5		- 20 + 90	+ 120	> 140		23-42	16-22
	Yw	PVC	temperature resistance 105 °C	1,3-1,5	25	10 ¹² -10 ¹⁵	4,5-6,5		- 20 + 105	+ 120	> 140		23-42	16-20
	Yk	PVC	low temperature resistance	1,2-1,4	25	10 ¹² -10 ¹⁵	4,5-6,5		- 40 + 70	+ 100	> 140		23-42	17-24
	2Y	LDPE	PE (low density)	0,92-0,94	70	10 ¹⁷	2,3	2x10 ⁻⁴	- 50 + 70	+ 100	105-110	combust- tible	≤ 22	42-44
	2Y	HDPE	PE (high density)	0,94-0,98	85	10 ¹⁷	2,3	3x10 ⁻⁴	- 50 + 100	+ 120	130		≤ 22	42-44
	2X	VPE	Cross-linked polyethylene	0,92	50	10 ¹² -10 ¹⁶	4-6	2x10 ⁻³	- 35 + 90	+ 100	-		≤ 22	42-44
	02Y		Polyethylene foam	~0,65	30	10 ¹⁷	~1,55	5x10 ⁻⁴	- 40 + 70	+ 100	105		18-30	42-44
	3Y	PS	Polystyrene	1,05	30	10 ¹⁶	2,5	1x10 ⁷	- 50 + 80	+ 100	> 120		≤ 22	40-43
	4Y	PA	Polyamide	1,02-1,1	30	10 ¹⁵	4	2x10 ⁻² - 1x10 ⁻³	- 60 + 105	+ 125	210		≤ 22	27-31
	9Y	PP	Polypropylene	0,91	75	10 ¹⁶	2,3-2,4	4x10 ⁷	- 10 + 100	+ 140	160		≤ 22	42-44
	11Y	PUR	Polyurethan	1,15-1,2	20	10 ¹⁰ -10 ¹²	4-7	23x10 ⁷	- 55 + 80	+ 100	150		20-26	20-26
	TPE-E (12Y/13Y)		Polyester elastomer	1,2-1,4	40	>10 ¹⁰	3,7-5,1	18x10 ⁻²	- 50 + 100	+ 140	190		≤ 29	20-25
	TPE-O (18Y)		Polyolefin elastomer	0,89-1,0	30	>10 ¹⁴	2,7-3,6	18x10 ⁻²	- 50 + 100	+ 130	150		≤ 25	23-28
Elastomers	G	NR SBR	Natural rubber styrene-butadiene rubber mixtures	1,5-1,7	20	10 ¹² -10 ¹⁵	3-5	1,9x10 ⁻²	- 65 + 60	+ 120	-	combust- tible	≤ 22	21-25
	2G	SIR	Silicone rubber	1,2-1,3	20	10 ¹⁵	3-4	6x10 ⁻³	- 60 + 180	+ 260	-	low flamm- ability	25-35	17-19
	3G	EPR	Ethylene propylene mixed polymer mixtures	1,3-1,55	20	10 ¹⁴	3-3,8	3,4x10 ⁻³	- 30 + 90	+ 160	-	combust- tible	≤ 22	21-25
	4G	EVA	Ethylene vinyl acetate copolymer mixture	1,3-1,5	30	10 ¹²	5-6,5	2x10 ⁻²	- 30 + 125	+ 200	-		≤ 22	19-23
	5G	CR	Polychloroprene mixtures	1,4-1,65	20	10 ¹⁰	6-8,5	5x10 ⁻²	- 40 + 100	+ 140	-	selfexting- uishing	30-35	14-19
	6G	CSM	Chlorosulfonated polyethylene mixtures	1,3-1,6	25	10 ¹²	6-9	2,8x10 ⁻²	- 30 + 80	+ 140	+ 160		30-35	19-23
Hightemp. materials	10Y	PVDF	Polyvinylidene fluoride Kynar! Dyflor!	1,7-1,9	20	10 ¹⁴	9-7	1,4x10 ⁻²	- 40 + 135	+ 160	> 170	non combust- tible	40-45	15
	7Y	ETFE	Ethylentetrafluor-ethylene Tefzel!	1,6-1,8	36	10 ¹⁶	2,6	8x10 ⁻⁴	- 100 + 150	+ 180	> 265		30-35	14
	6Y	FEP	Perfluorethylen-propylene Teflon!	2,0-2,3	25	10 ¹⁸	2,1	3x10 ⁻⁴	- 100 + 205	+ 230	> 225		≤ 95	5
	5YX	PFA	Perfluoralkoxy Teflon!	2,0-2,3	25	10 ¹⁸	2,1	3x10 ⁻⁴	- 190 + 260	+ 280	> 290		≤ 95	5
	5Y	PTFE	Polytetrafluor-ethylene Teflon!	2,0-2,3	20	10 ¹⁸	2,1	3x10 ⁻⁴	- 190 + 260	+ 300	> 325		≤ 95	5
halogen-free mixtures	H	Cross-linked	Halogen-free polymer mixture	1,4-1,6	25	10 ¹² -10 ¹⁴	3,4-5	~10 ⁻³	- 30 + 70	+ 100	> 130	selfexting- uishing	≤ 40	17-22
	HX	Cross-linked	Halogen-free polymer mixture	1,4-1,6	25	10 ¹³ -10 ¹⁴	3,4-5	10 ⁻² -10 ⁻³	- 30 + 90	+ 150	-		≤ 40	16-25

* Properties apply to unprocessed material

Properties* of insulating and seath materials

Designation				thermal			mechanical					free from halogens	Weathering									
	VDE des.	Code	Material	Thermal conductivity W·K ⁻¹ ·m ⁻¹	corrosive gases in case of fire	Radiation resist. max. Mrad	Tensile strength N/mm²	Breaking strain %	Shore-hardness	Abrasion performance	Water absorption %	halogen free	Weathering resist.	Low temp. performance								
Thermoplastics	Y	PVC	Polyvinyl chloride mixtured	0,17	Hydrogen chloride	80	10 - 25	130 - 350	70 - 95 (A)	average	0,4	no	moderate, good in black	mod.-good								
	Yw	PVC	temperature resistance 90 °C																			
	Yw	PVC	temperature resistance 105 °C																			
	Yk	PVC	low temperature resistance											very good								
	2Y	LDPE	PE (low density)	0,3		100	10 - 20	400 - 600	43 - 50 (D)	average	0,1	yes		good								
	2Y	HDPE	PE (high density)																			
	2X	VPE	Cross-linked polyethylene																			
	O2Y		Polyethylene foam																			
	3Y	PS	Polystyrene	no		80	55 - 65	300 - 400	35 - 50 (D)	good	0,4	yes	moderately good	moderately good								
	4Y	PA	Polyamide												10	50 - 60	50 - 170	–	very good	1,0-1,5	good	good
	9Y	PP	Polypropylene																			
	11Y	PUR	Polyurethan												100 (500)	30 - 45	500 - 700	70 - 100 (A)	very good	1,5	very good	very good
	TPE-E (12Y/13Y)		Polyester elastomer																			
	TPE-O (18Y)		Polyolefin elastomer												20			55 (A) 70 (D)				
Elastomers	G	NR SBR	Natural rubber styrene-butadiene rubber mixtures	–	no	100	5 - 10	300 - 600	60 - 70 (A)	mod.	1,0	no	moderate	very good								
	2G	SIR	Sillicone rubber	0,22											50	300 - 600	40 - 80 (A)	very good	good			
	3G	EPR	Ethylene propylene mixed polymer mixtures	–																200	200 - 400	65 - 85 (A)
	4G	EVA	Ethylene vinyl acetate copolymer mixture	–											100	8 - 12	250 - 350	70 - 80 (A)				
	5G	CR	Polychloroprene mixtures	–	Hydrogen chloride	50	10 - 20	400 - 700	55 - 70 (A)	average	1,0		moderate									
	6G	CSM	Chlorosulfunated polyethylene mixtures	–													350 - 600	60 - 70 (A)		1,5		
Hightemp. materials	10Y	PVDF	Polyvinylidene fluoride Kynar!/Dyflor!	0,17	Hydrogen fluoride	10	50 - 80	150	75 - 80 (D)	very good	0,01	no	very good	very good								
	7Y	ETFE	Ethylentetrafluor-ethylene Tefzel!	0,24	yes	10	40 - 50	150	70 - 75 (D)		0,02											
	6Y	FEP	Perfluorethylen-propylene Teflon!	0,26	yes	1	15 - 25	250	55 - 60 (D)		0,01											
	5YX	PFA	Perfluoralkoxy Teflon!	0,21	yes	0,1	25 - 30	250	55 - 60 (D)													
	5Y	PTFE	Polytetrafluorethylene Teflon!	0,26	yes	0,1	80	50	55 - 60 (D)													
halogen-free mixtures	H	Cross-linked	Halogen-free polymer mixture	0,17	no	100	8 - 13	150 - 250	65 - 95 (A)	average	0,2-1,5	yes	moderate, good in black	average								
	HX	Cross-linked	Halogen-free polymer mixture	0,20	no	200	8 - 13	150 - 250														

* Properties apply to unprocessed material

¹⁾ Propellants, for example, may consist of or contain fluoriated hydrocarbons (HCDCs)

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

Datenleitungen

Conductor ropes

Technical Appendix

Sizes of cable drums

In addition to the below-listed drums (according to DIN 46 391) we may also use **drums made to various manufacturer standards**, with dimensions in between the listed values. In such case our **calculation of the deposit value will be based on the next DIN size up**.

► Plastic drums

nominal size	flange diameter (mm)	barrel diameter (mm)	overall width (mm)	drum weight ca. kg
040	400	125	424	4
050	500	150	456	4
055	500	160	450	7
070	710	355	510	15
080	800	400	510	16
090	900	450	680	23
100	1000	500	704	32

► Wooden standard drums

nominal size	flange diameter (mm)	barrel diameter (mm)	overall width (mm)	drum weight ca. kg
05	500	150	470	8
07	710	355	520	25
08	800	400	520	31
09	900	450	690	47
10	1.000	500	710	71
12	1.250	630	890	144
14	1.400	710	890	175
16	1.600	800	1.100	280
18	1.800	1.000	1.100	380
20	2.000	1.250	1.350	550
22	2.240	1.400	1.450	710
24	2.400	1.400	1.450	920
25	2.500	1.600	1.450	900
26	2.600	1.600	1.450	1.000
28	2.800	1.800	1.635	1.175

► Wooden drums with armoured flanges

nominal size	flange diameter (mm)	barrel diameter (mm)	overall width (mm)	drum weight ca. kg
07	710	355	520	28
08	800	400	520	35
09	900	450	690	51
10	1.000	500	710	78
12	1.250	630	890	165
14	1.400	710	890	199
16	1.600	800	1.100	309
18	1.800	1.000	1.100	413
20	2.000	1.000	1.350	600
20	2.000	1.250	1.350	588
22	2.240	1.120	1.350	750
22	2.240	1.400	1.450	753
25	2.500	1.400	1.450	923
25	2.500	1.250	1.350	925
28	2.800	1.800	1.635	1.280

Legend of icons used in catalogue

	cable conform to Low Voltage directive		not for application in power circuits
	cable with circuit integrity 30 min		cable to a large extent oil resistant
	cable with circuit integrity 90 min		cable with low smoke
	screened cable		cable suitable for drag-chains
	cable for direct burial		max. permitted temperature at conductor 70 °C
	cable with function maintainance 180 min		cable for reeling application
	flame retardant acc. IEC 60332-3		min. installation temperature
	flame retardant acc. IEC 60332-1		installation in free air only with UV-protection (cable not UV-resistant)
	cable with GOST certification		installation in free air without protection (cable UV-resistant)
	cable halogen-free		cable with VDE-certification
	harmonised cable/wire		cable with VdS-approval
	cable metal-free (optical)		cable for use in water
	cable with rodent protection		

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

Datenleitungen

Conductor ropes

Technical Appendix

Abbreviations for colours used in FABER – catalogue

B1	dark blue - white	OB	ocean-blue
BE	beige	OF	without colour
BL	blue	OH	orange (high grade)
BR	brown	OR	orange
BT	brown-transparent	PT	petrol
BW	blue-white	PW	white
DB	dark blue	R1	red-white
DG	dark green	RS	pink
DH	dark blue (high-grade)	RT	red
DW	dark blue - white	SG	grey
GE	yellow	SH	black (high grade)
GG	green-yellow	SW	black
GN	green	TB	turquoise
GR	grey	TR	clear transparent
HB	light blue	VI	violet
KG	pine-green	VL	violet
MG	pink	W0	white-orange
NT	natural	WS	white

(N)2XY-J	17	FACAB EFK 300 CP	179
(N)2XY-O	19	FACAB EFK 300 P	178
(N)HXMH(St)-J	57	FACAB EFK 310 CY	176
(N)Y(Zg)2Y	20	FACAB EFK 310 Y	175
(N)YM(St)-J	54	FACAB EFK Feedback-CP Indramat	181
(N)YYök-J	16	FACAB EFK Feedback-CP Siemens	184
2GTL 13,8/15,0 kV	102	FACAB EFK Li9YC11Y	185
2YSL(St)CYv	159	FACAB EFK SC 12Y11Y	173
A		FACAB EFK SC 12YC11Y	174
A-02YS(St)(Zg)2Y - 0,5 mm	122	FACAB EFK SERVO-CP INDRAMAT	182
A-02YSF(L)2Y StIII Bd	121	FACAB EFK SERVO-CP Siemens	183
A-02YSOF(L)2Y 0,8 mm	120	FACAB EIB	192
A-2Y(L)2Y nx2x0,6	116	FACAB SOLAR 125	93
A-2Y(L)2Y nx2x0,8	117	FACAB SOLAR PV1-F	91
A-2YF(L)2Y nx2x0,6	118	FACAB SOLAR VE	90
A-2YF(L)2Y nx2x0,8	119	FIELD- and PROFIBUS cable	188
A-2YF(L)2YB2Y St III Bd	121	Fire signalisation cable	112
A-DQ(ZN)B2Y	210	G	
A-DQ(ZN)B2Y ... 1,2 kN (Zentralader)	211	GGSG	89
AJ-Y(St)YDY Bd	120	H	
ASI-Busleitung	189	H01N2-D cables with normal flexibility	75
C		H03VV-F	66
Cable for connection of control buttons 05VV2SV	163	H05BQ-F	103
CAN-Bus PUR	190	H05RN-F	69
CAN-Bus PVC	190	H05RNH2-F	81
Copper conductor	216	H05RR-F	69
E		H05SS-F	101
ESUY	216	H05V2V2D3-F (NYPLYw)	106
F		H05V-K	60
FACAB 100 F-CP	162	H05V-U	61
FACAB 100 P	161	H05VV5-F	145
FACAB BUS DeviceNet EFK	192	H05VVC4V5-K	147
FACAB BUS LD	191	H05VV-F	67
FACAB dataline 1000	208	H05Z-K	85
FACAB dataline 1000 outdoor	208	H07BN4-F	73
		H07BQ-F	103

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	H07V-K	62	Li2YCYv	169
	H07V-R	65	LiHCH	171
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	H07VVH6-F	160	LiYCY	165
	H07Z-K	86	LiYCY/EB	168
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	HSLCH-JZ	156	N	
	HSLCH-OZ	158	N2XCH	24
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	HSLH-OZ	156	N2XH-O	23
	I		N2XS(F)2Y 12/20 kV	36
Control and Electronic Cable	I-D(ZN)H	209	N2XS(F)2Y 18/30 kV	37
	Industrial Ethernet	187	N2XS(F)2Y 6/10 kV	35
	Interbus cable (IBS)	191	N2XS(FL)2Y 12/20 kV	39
Cable with circuit integrity	Inter-communication Bus	193	N2XS(FL)2Y 6/10 kV	38
	I-V(ZN)H	209	N2XS2Y 12/20 kV	33
	I-Y(St)Y .. Lg	111	N2XS2Y 18/30 kV	34
LAN cables	I-YY	110	N2XS2Y 6/10 kV	32
	J		N2XSEY 6/10 kV	49
	J-2Y(St)H St III Bd	115	N2XSY 12/20 kV	27
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	JE-H(St)H FE180/E30	202	N2XSY 6/10 kV	26
	JE-H(St)H FE180/E30 Brandmeldekabel	202	NA2XS(F)2Y 12/20 kV	44
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	JE-H(St)H FE180/E30-E90 BMK	203	NA2XS(F)2Y 6/10 kV	43
	JE-LiHCH	133	NA2XS(FL)2Y 12/20 kV	47
	JE-LiY(St)Y	132	NA2XS(FL)2Y 18/30 kV	48
	JE-LiYCY	132	NA2XS(FL)2Y 6/10 kV	46
	JE-Y(St)Y	129	NA2XS2Y 12/20 kV	41
	JE-Y(St)Y ... FR	131	NA2XS2Y 18/30 kV	42
	JE-Y(St)Yv	130	NA2XS2Y 6/10 kV	40
	J-H(ST)H	113	NA2XSY 12/20 kV	30
	J-H(St)H BMK	114	NA2XSY 18/30 kV	31
	L		NA2XSY 6/10 kV	29
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NAYY-O	14
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NGFLGOEU	82
NHXCH E30	198
NHXCH E90	200
NHXH-J/-O E30	196
NHXH-J/-O E90	199
NHXMH-J	55
NHXMH-O	56
NSGAFÖU 1,8/3 kV	87
NSHTöu	79
NSHXAFÖ	88
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YFAZ	105
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YSLCY-OZ	149
YSLCY-JB	144
YSLCY-JZ	142
YSLCY-JZ 600	151
YSLCY-OZ	143
YSLY-JB	138
YSLY-JZ	136
YSLY-JZ 600	150
YSLY-OB	141
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YSLYSY-JZ	153
YSLYSY-OZ	154

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	10003	6	10059	9	10140	8	11005	201	11085	22	11142	24	11207	201			
	10004	6	10060	9	10141	8	11006	201	11086	22	11143	24	11208	201			
	10005	6	10061	9	10147	6	11007	201	11087	22	11144	24	11209	200			
	10006	6	10062	9	10148	6	11008	201	11088	22	11145	24	11210	201			
	10007	6	10063	9	10149	8	11009	201	11089	22	11146	24	11211	201			
	10008	6	10064	9	10150	8	11010	8	11090	22	11147	24	11212	201			
	10009	6	10065	9	10283	8	11018	7	11091	22	11148	24	11213	201			
	10010	6	10066	9	10480	8	11020	200	11092	22	11149	24	11214	197			
	10011	6	10067	9	10483	8	11028	7	11093	22	11150	24	11215	198			
	10012	6	10068	9	10484	8	11029	24	11094	22	11151	24	11216	9			
	10013	6	10069	9	10490	10	11032	8	11095	22	11152	24	11217	197			
	10014	6	10070	9	10491	6	11033	8	11096	22	11153	24	11218	197			
	10015	6	10071	9	10506	6	11034	10	11097	22	11154	24	11219	197			
	10016	6	10072	9	10507	6	11035	10	11098	22	11155	25	11220	197			
	10017	6	10073	9	10508	8	11042	200	11099	22	11156	25	11221	197			
	10018	6	10074	9	10509	8	11043	200	11100	22	11157	25	11222	197			
	10019	6	10075	9	10510	8	11044	196	11101	22	11158	25	11223	197			
	10020	6	10076	7	10918	9	11045	197	11102	22	11159	25	11224	198			
	10021	6	10077	8	10930	9	11046	197	11103	22	11160	25	11225	6			
	10022	6	10078	8	10951	199	11047	197	11104	22	11161	25	11226	198			
	10023	6	10079	8	10952	199	11049	23	11105	22	11162	200	11227	198			
	10024	6	10080	8	10953	199	11051	23	11106	22	11167	198	11229	196			
	10025	6	10081	8	10954	199	11052	23	11107	22	11168	198	11230	196			
	10026	6	10082	8	10955	199	11053	23	11108	22	11169	22	11231	196			
	10027	6	10083	8	10956	199	11054	23	11109	22	11170	22	11232	196			
	10028	6	10084	8	10957	199	11055	23	11110	22	11171	196	11233	196			
	10029	7	10085	7	10958	199	11056	23	11111	22	11172	196	11234	196			
	10030	7	10086	8	10959	199	11057	23	11112	22	11173	197	11235	196			
	10031	7	10087	7	10960	199	11058	23	11113	22	11177	199	11236	196			
	10032	7	10088	8	10961	199	11059	23	11114	22	11178	199	11237	196			
	10033	7	10089	8	10962	199	11060	23	11115	22	11180	197	11238	196			
	10034	7	10090	8	10963	199	11061	23	11116	22	11181	198	11239	196			
	10035	7	10091	8	10964	199	11062	23	11118	22	11182	196	11240	196			
	10036	7	10092	8	10965	199	11063	23	11119	22	11183	198	11241	196			
	10037	7	10093	8	10966	199	11064	23	11120	22	11184	198	11242	196			
	10038	7	10095	8	10967	200	11065	23	11121	22	11185	196	11243	196			
	10039	7	10096	8	10968	200	11066	23	11122	22	11186	196	11244	196			
	10040	7	10102	8	10969	200	11067	23	11124	200	11188	197	11245	196			
	10041	7	10103	8	10970	200	11068	23	11125	16	11189	197	11246	196			
	10042	7	10104	8	10971	200	11069	23	11126	16	11190	197	11247	196			
	10043	7	10105	8	10987	201	11070	21	11127	16	11192	197	11248	196			
	10044	7	10106	8	10988	201	11071	22	11128	24	11193	197	11249	196			
	10045	7	10107	8	10989	200	11072	23	11129	24	11194	196	11251	196			
	10046	7	10108	8	10993	201	11073	22	11130	24	11195	197	11252	196			
	10047	7	10109	8	10994	201	11074	22	11131	24	11196	197	11253	196			
	10048	7	10110	8	10995	201	11075	22	11132	24	11197	201	11254	196			
	10049	7	10111	8	10996	201	11076	22	11133	24	11198	201	11255	196			
	10050	7	10115	8	10997	201	11077	22	11134	24	11199	201	11256	196			
	10052	9	10116	6	10998	201	11078	22	11135	24	11200	201	11257	196			
	10053	9	10117	6	10999	201	11079	22	11136	24	11201	201	11258	196			
	10054	9	10118	6	11000	201	11080	22	11137	24	11202	201	11259	197			
	10055	9	10119	6	11001	201	11081	22	11138	24	11203	201	11260	197			
	10056	9	10120	6	11002	201	11082	22	11139	24	11204	201	11261	197			
	10057	9	10121	6	11003	201	11083	22	11140	24	11205	201	11262	197			
	10058	9	10133	6	11004	201	11084	22	11141	24	11206	201	11263	197			

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11266	197	11332	26	11387	34	11442	40	11498	40	11755	199	12063	24
11267	197	11333	26	11388	34	11443	41	11499	20	11756	199	12064	24
11268	197	11334	27	11389	34	11444	41	11500	20	11757	199	12086	7
11269	196	11335	27	11390	34	11445	41	11505	198	11759	9	12087	7
11270	196	11336	27	11391	34	11446	41	11506	198	11771	20	12088	7
11271	196	11337	27	11392	29	11448	41	11507	198	11772	20	12089	10
11272	196	11338	27	11393	29	11449	41	11508	24	11773	20	12090	10
11274	198	11339	27	11394	29	11450	41	11509	20	11774	20	12091	10
11275	198	11340	27	11395	29	11451	41	11511	9	11777	34	12092	10
11276	198	11341	27	11396	29	11452	41	11512	7	11778	10	12093	10
11277	198	11342	28	11397	29	11453	42	11514	22	11779	10	12094	10
11278	198	11343	28	11398	29	11454	42	11515	22	11780	10	12095	10
11279	198	11344	28	11399	29	11455	42	11516	37	11783	47	12096	10
11280	198	11345	28	11400	29	11456	42	11517	37	11786	39	12097	10
11281	198	11346	28	11401	29	11457	42	11519	37	11825	38	12098	10
11282	198	11347	28	11402	29	11458	42	11520	37	11831	198	12099	10
11283	198	11348	28	11403	29	11459	42	11521	37	11832	198	12100	10
11284	198	11349	28	11404	29	11460	42	11522	37	11838	44	12101	10
11285	198	11350	28	11405	30	11461	42	11523	37	11840	6	12102	10
11288	26	11351	28	11406	30	11462	42	11524	37	11843	199	12103	10
11289	26	11352	32	11407	30	11463	43	11525	37	11848	47	12104	10
11290	26	11353	32	11408	30	11464	43	11526	37	11849	8	12105	10
11291	26	11354	32	11409	30	11465	43	11529	27	11852	47	12110	6
11292	26	11355	32	11410	30	11466	43	11530	9	11858	25	12197	9
11294	26	11356	32	11411	30	11467	43	11531	8	11861	10	12211	23
11295	27	11357	32	11412	30	11468	43	11534	45	11862	10	12212	23
11296	27	11358	32	11413	30	11469	43	11535	45	11863	10	12215	24
11297	27	11359	32	11414	30	11470	43	11536	45	11864	23	12216	37
11298	27	11360	32	11415	30	11471	43	11537	45	11865	89	12221	199
11299	27	11361	32	11416	30	11472	43	11538	45	11869	199	12223	45
11306	44	11362	32	11417	30	11473	44	11539	45	11949	199	12224	35
11307	44	11363	32	11418	31	11474	44	11540	45	11950	199	12225	36
11308	44	11364	32	11419	31	11475	44	11541	45	11955	199	12226	37
11309	36	11365	32	11420	31	11476	44	11542	45	11956	199	12227	41
11310	49	11366	33	11421	31	11477	44	11543	23	11963	199	12228	39
11311	49	11367	33	11422	31	11478	45	11546	36	11972	37	12235	216
11312	49	11368	33	11423	31	11479	35	11547	23	11973	25	12238	216
11313	49	11369	33	11424	31	11480	35	11548	10	11976	26	12239	216
11314	49	11370	33	11425	31	11481	35	11551	47	11979	25	12240	216
11315	49	11371	33	11426	31	11482	35	11552	8	11980	25	12241	216
11316	49	11372	33	11427	31	11483	35	11553	8	11982	200	12242	216
11317	36	11373	33	11428	31	11484	35	11554	8	11997	23	12243	216
11318	27	11374	33	11429	31	11485	35	11687	10	12001	38	12244	216
11319	44	11375	33	11430	31	11486	35	11688	10	12003	9	12245	216
11320	44	11376	33	11431	40	11487	35	11699	50	12011	199	12246	216
11321	41	11377	33	11432	40	11488	35	11729	20	12020	199	12247	216
11323	41	11378	33	11433	40	11489	36	11730	20	12021	199	12248	216
11324	41	11379	33	11434	40	11490	36	11740	20	12022	199	12254	216
11325	41	11380	34	11435	40	11491	36	11742	6	12036	23	12255	216
11326	26	11381	23	11436	40	11492	36	11744	199	12040	23	12256	9
11327	26	11382	23	11437	40	11493	36	11747	201	12041	23	12257	9
11328	26	11383	34	11438	40	11494	36	11748	201	12047	32	12258	44
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Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

Datenleitungen

Conductor ropes

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	12277	19	12528	24	13031	30	20014	52	20197	55	20313	54	30128	136			
	12278	19	12529	24	13032	43	20015	52	20198	56	20314	54	30129	136			
	12363	17	12530	24	13033	39	20016	52	20199	56	20315	54	30130	137			
	12364	17	12533	47	13037	34	20017	52	20200	56	20316	54	30131	137			
	12366	17	12541	23	13061	28	20018	52	20201	56	20317	54	30132	137			
	12367	17	12542	23	13067	45	20019	52	20202	56	20318	54	30134	137			
	12368	17	12566	27	13091	42	20020	52	20203	56	20319	54	30135	137			
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	12370	17	12570	21	13117	39	20022	52	20205	56	20326	53	30139	137			
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	12376	17	12613	38	13121	44	20025	52	20208	55	20329	56	30142	137			
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	12467	38	13018	24	20005	52	20188	55	20301	52	30112	136	30200	164			
	12469	197	13019	24	20006	52	20189	55	20306	57	30114	136	30201	164			
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	12508	29	13021	24	20009	52	20191	55	20308	54	30117	136	30203	164			
	12509	48	13026	40	20010	52	20192	55	20309	54	30121	136	30204	164			
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30241	164	30382	167	30521	167	30613	139	30692	139	30953	180	31061	67
30242	164	30383	167	30522	167	30614	139	30693	139	30954	179	31067	178
30243	164	30392	167	30523	167	30615	139	30694	139	30955	178	31075	95
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30248	164	30395	164	30528	165	30618	139	30697	168	30959	180	31078	95
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30253	165	30421	142	30532	142	30621	139	30707	97	30967	95	31081	95
30254	165	30422	142	30533	142	30622	139	30708	97	30968	95	31082	95
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30259	165	30427	142	30547	140	30627	140	30724	67	30990	95	31087	95
30261	166	30428	142	30548	140	30628	140	30732	137	30991	95	31088	95
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30280	166	30430	142	30558	167	30630	140	30734	168	30993	95	31090	95
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30306	166	30451	142	30578	142	30649	136	30864	137	31009	178	31104	96
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30309	166	30454	142	30584	167	30654	136	30867	138	31022	178	31107	96
30310	166	30455	137	30586	167	30655	136	30868	140	31023	178	31108	96
30312	166	30456	137	30587	164	30656	136	30869	140	31024	178	31109	96
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30326	166	30462	166	30591	137	30658	136	30871	140	31028	178	31112	96
30327	166	30471	166	30592	138	30659	136	30878	167	31029	178	31113	96
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30362	167	30511	166	30600	137	30672	166	30929	168	31051	67	31126	97
30363	167	30512	166	30601	138	30673	166	30933	166	31052	67	31127	97

Power cables
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Building Wires

Flexible Cables

Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

Datenleitungen

Conductor ropes

Technical Appendix

	Power cables 1 up to 30 kV		Building Wires		Flexible Cables		Telecommunication Cables and Cords		Control and Electronic Cable		Cable with circuit integrity		LAN cables		Conductor ropes		Technical Appendix
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	31129	97	31374	164	31525	146	31645	155	31757	105	31902	180	32005	168			
	31130	97	31386	166	31526	146	31647	155	31763	105	31904	168	32006	168			
	31150	140	31394	166	31527	146	31648	155	31764	105	31910	180	32010	161			
	31152	178	31411	178	31528	146	31649	155	31765	105	31914	168	32012	162			
	31154	166	31416	178	31530	146	31650	155	31766	180	31915	216	32013	162			
	31155	167	31420	178	31532	146	31651	155	31767	180	31916	144	32020	168			
	31156	167	31426	141	31533	146	31661	155	31772	162	31918	180	32021	96			
	31158	178	31427	141	31534	146	31662	155	31775	179	31919	180	32022	96			
	31179	98	31428	178	31535	146	31663	155	31778	170	31923	180	32023	100			
	31180	98	31429	179	31536	146	31669	144	31787	162	31925	20	32024	160			
	31181	98	31433	165	31537	146	31670	144	31796	170	31926	171	32026	153			
	31182	98	31442	179	31540	146	31671	144	31797	170	31929	168	32030	170			
	31183	98	31444	153	31541	146	31672	144	31806	99	31930	102	32033	100			
	31184	98	31445	153	31542	146	31673	145	31807	105	31933	102	32036	172			
	31189	167	31453	147	31543	146	31674	145	31809	172	31936	100	32040	157			
	31197	136	31454	147	31544	146	31675	145	31814	163	31938	21	32041	160			
	31208	137	31455	147	31545	146	31676	145	31815	163	31939	94	32043	99			
	31214	137	31456	147	31546	146	31678	166	31816	172	31940	94	32044	162			
	31215	137	31457	147	31554	168	31682	169	31818	172	31941	94	32045	150			
	31216	137	31458	147	31556	180	31683	169	31819	157	31942	94	32049	162			
	31218	139	31459	147	31574	99	31684	169	31820	157	31943	94	32050	162			
	31220	139	31460	147	31580	178	31685	169	31832	150	31944	94	32060	168			
	31221	139	31461	147	31581	66	31686	169	31833	172	31947	216	32061	151			
	31222	139	31462	147	31584	178	31687	169	31843	157	31949	168	32064	180			
	31223	139	31463	147	31585	178	31688	169	31846	172	31951	99	32065	180			
	31256	166	31464	147	31586	145	31689	169	31847	107	31952	20	32067	180			
	31257	167	31465	147	31587	145	31690	169	31848	107	31956	21	32071	20			
	31264	167	31466	147	31599	143	31694	169	31849	107	31957	137	32079	100			
	31265	167	31467	147	31604	153	31695	169	31852	157	31963	172	32085	172			
	31271	167	31468	147	31605	153	31696	169	31853	157	31964	172	32089	180			
	31281	96	31469	147	31606	153	31703	170	31854	157	31966	172	32094	178			
	31288	96	31470	147	31607	153	31704	138	31856	157	31967	172	32097	149			
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	31308	165	31473	147	31619	179	31712	159	31860	157	31974	160	32105	172			
	31312	143	31474	147	31620	154	31713	159	31861	105	31975	160	32107	171			
	31314	141	31475	147	31621	154	31714	159	31862	163	31976	160	32108	96			
	31318	136	31476	147	31622	154	31715	159	31866	21	31977	160	32109	96			
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	31335	143	31498	146	31628	154	31722	159	31872	172	31986	180	32130	159			
	31336	143	31500	146	31629	155	31723	159	31888	158	31990	162	32133	148			
	31339	139	31501	146	31630	155	31724	159	31889	157	31994	159	32135	148			
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	31347	143	31517	146	31639	155	31746	144	31897	153	32002	159	32159	156			
	31348	143	31519	146	31640	155	31748	100	31898	20	32004	160	32160	156			

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32301	160	32550	179	32667	171	32749	156	32830	161	33057	153	33232	152
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32316	137	32558	180	32671	171	32753	156	32848	168	33077	153	33268	148
32319	99	32559	180	32672	171	32754	158	32856	179	33079	153	33270	148
32322	99	32560	180	32673	171	32755	157	32857	148	33085	154	33293	148
32323	216	32561	180	32674	171	32756	157	32858	169	33086	153	33294	148
32324	100	32562	180	32675	171	32757	157	32859	21	33087	153	33295	148
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32326	100	32565	180	32677	171	32759	157	32871	106	33101	153	33300	148
32327	100	32567	180	32678	171	32760	157	32872	97	33102	153	33303	148
32328	100	32570	180	32679	171	32761	157	32873	101	33104	153	33308	148
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32330	100	32572	180	32681	171	32763	157	32876	148	33107	153	33321	149
32331	100	32574	180	32682	171	32764	158	32878	101	33108	153	33322	148
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32357	160	32634	153	32703	172	32804	161	32999	155	33185	152	33391	148
32358	160	32637	99	32704	172	32806	161	33001	155	33195	151	33392	149
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32543	178	32659	172	32733	172	32823	161	33044	153	33219	152	33435	102
32546	179	32662	172	32737	172	32824	161	33050	154	33222	152	33440	141

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

Datenleitungen

Conductor ropes

Technical Appendix

	Power cables 1 up to 30 kV																	
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Building Wires	33441	216	33671	151	34360	161	34775	216	35296	183	35356	185	35411	186				
	33442	216	33680	151	34374	161	34776	216	35297	183	35357	185	35412	186				
	33448	101	33681	151	34381	170	34777	216	35298	183	35358	185	35413	186				
	33449	101	33682	151	34475	162	34788	179	35299	183	35359	185	35414	186				
	33453	101	33683	151	34515	152	34795	99	35300	183	35360	185	35415	186				
	33456	101	33687	151	34516	142	34799	170	35301	183	35361	185	35416	186				
	33457	101	33688	151	34517	143	34819	160	35302	183	35362	185	35417	186				
	33458	101	33689	151	34522	98	34844	168	35303	183	35363	185	35418	186				
Flexible Cables	33459	101	33691	151	34546	152	34858	99	35306	184	35364	185	35419	186				
	33460	101	33692	151	34551	99	34935	156	35307	184	35365	185	35420	186				
	33461	101	33695	151	34552	99	34994	21	35308	184	35366	185	35421	186				
	33463	101	33698	151	34553	99	35048	66	35309	184	35367	185	35422	186				
	33469	160	33699	151	34554	99	35059	143	35310	184	35368	185	35423	175				
	33477	150	33702	151	34556	137	35105	165	35311	184	35369	185	35424	175				
	33478	151	33703	151	34557	160	35140	99	35312	184	35370	185	35425	175				
	33479	151	33705	151	34559	162	35165	182	35313	184	35371	185	35426	175				
Telecommunication Cables and Cords	33482	99	33708	151	34564	162	35172	143	35314	173	35372	185	35427	175				
	33506	97	33710	151	34565	162	35173	143	35315	173	35373	185	35428	175				
	33520	68	33728	99	34566	162	35174	144	35316	173	35374	185	35429	175				
	33521	68	33729	99	34574	162	35175	144	35317	173	35375	185	35430	175				
	33522	68	33730	99	34587	170	35176	144	35318	173	35376	185	35431	175				
	33581	150	33731	99	34588	170	35177	144	35319	173	35377	185	35432	175				
	33582	150	33737	99	34589	170	35178	144	35320	173	35378	185	35433	175				
	33583	150	33741	152	34596	170	35179	144	35321	173	35379	185	35434	175				
Control and Electronic Cable	33585	150	33744	99	34604	170	35180	144	35322	173	35380	185	35435	175				
	33589	150	33745	99	34605	170	35184	99	35323	173	35381	185	35436	175				
	33592	150	33746	99	34606	170	35241	66	35324	173	35382	185	35437	175				
	33595	150	33749	97	34620	162	35242	66	35326	173	35383	185	35438	175				
	33597	150	33763	168	34621	162	35255	143	35327	173	35384	185	35439	175				
	33601	150	33768	168	34622	162	35268	182	35328	173	35385	185	35440	175				
	33602	150	33769	168	34624	162	35269	182	35329	173	35386	186	35441	175				
	33603	150	33770	168	34627	162	35270	182	35330	173	35387	186	35442	175				
Cable with circuit integrity	33608	150	33773	168	34628	162	35271	182	35331	173	35388	186	35443	175				
	33609	150	33824	162	34630	162	35272	182	35332	173	35389	186	35444	175				
	33610	150	33825	162	34631	162	35273	182	35333	173	35390	186	35445	175				
	33611	150	33826	162	34632	162	35274	182	35334	173	35391	186	35446	175				
	33612	150	33827	162	34638	163	35275	182	35335	173	35392	186	35447	175				
	33616	150	33828	162	34639	163	35276	182	35336	173	35393	186	35448	175				
	33619	150	33829	162	34640	163	35278	181	35337	174	35394	186	35449	175				
	33623	150	33844	98	34641	163	35279	181	35338	174	35395	186	35450	175				
LAN cables	33626	150	33845	98	34642	163	35280	181	35339	174	35396	186	35451	175				
	33632	150	33846	98	34643	163	35281	181	35340	174	35397	186	35452	175				
	33633	150	33847	98	34669	100	35282	181	35341	174	35398	186	35453	175				
	33640	150	33848	98	34677	67	35283	181	35342	174	35399	186	35454	175				
	33641	150	33884	94	34720	98	35285	183	35343	174	35400	186	35455	175				
	33647	150	33885	94	34721	98	35286	183	35344	174	35401	186	35456	175				
	33653	150	33886	94	34722	98	35287	183	35345	174	35402	186	35457	175				
	33655	150	33887	94	34723	98	35288	183	35346	174	35403	186	35458	175				
Conductor ropes	33657	150	33888	94	34724	98	35289	183	35347	174	35404	186	35459	175				
	33658	150	33889	94	34725	98	35290	183	35350	185	35405	186	35460	175				
	33660	150	33890	97	34737	147	35291	183	35351	185	35406	186	35461	175				
	33665	150	34220	139	34738	147	35292	183	35352	185	35407	186	35462	176				
	33666	150	34231	139	34739	147	35293	183	35353	185	35408	186	35463	176				
	33667	151	34232	139	34750	94	35294	183	35354	185	35409	186	35464	176				
	33669	151	34359	161	34764	99	35295	183	35355	185	35410	186	35465	176				
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35466	176	35547	96	40058	62	40125	64	40251	62	40317	87	40763	64
35467	176	35548	96	40059	62	40126	64	40252	62	40318	87	40764	64
35468	176	35549	96	40060	63	40128	64	40253	60	40319	87	40765	64
35469	176	35606	97	40061	63	40176	63	40254	60	40320	85	40766	64
35470	176	35653	186	40062	63	40177	64	40257	60	40321	85	40767	86
35471	176	40001	60	40063	63	40181	64	40258	61	40322	85	40768	86
35472	176	40002	60	40065	62	40185	63	40264	86	40323	85	40769	86
35473	176	40003	60	40066	62	40186	63	40265	86	40324	85	40770	91
35474	176	40004	60	40067	62	40188	60	40266	86	40325	85	40770	92
35475	176	40005	60	40068	63	40190	60	40267	86	40326	86	40771	91
35476	177	40006	60	40069	63	40191	60	40268	86	40327	86	40771	92
35477	177	40007	60	40071	62	40193	60	40269	86	40328	86	40784	91
35478	177	40008	60	40073	62	40195	62	40270	86	40329	86	40785	91
35479	177	40009	60	40074	62	40196	62	40271	86	40330	86	40786	91
35480	177	40010	60	40075	63	40197	62	40272	86	40331	86	40788	90
35481	177	40011	60	40076	63	40198	62	40274	86	40332	86	40789	90
35482	177	40012	60	40077	65	40199	63	40275	86	40333	86	40790	90
35483	177	40013	60	40078	65	40200	63	40276	86	40334	86	40791	90
35484	177	40014	60	40079	65	40205	65	40277	86	40335	86	40792	90
35485	177	40015	61	40080	65	40207	65	40278	86	40336	86	40793	90
35486	177	40016	61	40081	65	40208	65	40279	86	40337	86	40803	93
35487	177	40017	61	40082	65	40209	65	40280	86	40338	86	40804	93
35488	177	40018	61	40084	65	40210	65	40281	86	40339	86	40805	93
35490	177	40019	61	40085	65	40211	65	40282	86	40342	63	40807	91
35491	177	40020	61	40086	65	40212	62	40283	86	40349	63	40808	91
35492	177	40021	61	40087	65	40213	62	40284	86	40351	63	40809	91
35493	177	40022	61	40088	65	40214	64	40285	86	40383	63	40810	91
35494	177	40023	61	40089	65	40215	64	40286	86	40433	85	40811	93
35495	177	40024	61	40090	65	40216	60	40287	85	40434	85	40812	93
35496	177	40025	61	40091	65	40217	60	40288	85	40594	65	40813	93
35497	177	40026	61	40092	65	40218	60	40289	85	40696	63	40834	91
35498	177	40027	61	40093	65	40219	60	40290	85	40698	85	40835	91
35499	177	40028	61	40095	64	40220	60	40291	85	40700	63	40836	63
35500	177	40030	62	40096	64	40221	60	40292	85	40704	62	40837	63
35501	177	40031	62	40098	64	40222	60	40293	85	40705	62	40840	90
35502	177	40033	62	40099	64	40223	60	40294	85	40724	93	40844	91
35503	177	40034	62	40100	64	40224	60	40295	85	40725	91	40845	91
35504	177	40035	62	40101	64	40225	60	40296	85	40726	91	40856	91
35505	177	40036	62	40102	64	40226	62	40297	85	40745	93	40856	92
35506	177	40037	62	40103	64	40227	62	40298	85	40746	93	40857	91
35507	177	40039	62	40104	64	40228	62	40301	86	40747	93	40857	92
35508	177	40040	62	40105	64	40229	62	40302	86	40748	61	40858	91
35509	177	40041	62	40107	64	40230	62	40303	86	40749	61	40858	92
35510	177	40042	62	40111	64	40231	62	40304	87	40750	61	40859	91
35511	177	40043	63	40112	64	40232	62	40305	87	40751	61	40859	92
35512	177	40044	63	40114	64	40233	62	40306	87	40752	63	40860	91
35513	177	40046	63	40116	64	40234	62	40308	87	40753	63	40860	92
35514	177	40047	62	40117	64	40235	62	40309	87	40754	63	40864	91
35515	177	40048	63	40118	64	40236	64	40310	87	40755	63	40864	92
35516	177	40049	62	40119	64	40237	64	40311	86	40756	65	40867	91
35517	177	40050	63	40120	64	40238	63	40312	86	40757	65	40867	92
35518	177	40052	62	40121	64	40239	65	40313	87	40758	65	40870	91
35519	177	40054	62	40122	64	40240	60	40314	87	40759	65	40870	92
35524	185	40056	62	40123	64	40241	60	40315	87	40761	64	40886	91
35527	66	40057	62	40124	64	40249	64	40316	87	40762	64	40886	92

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and CordsControl and
Electronic CableCable with
circuit integrity

Datenleitungen

Conductor ropes

Technical Appendix

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	40887	91	50066	72	50184	87	50347	104	50503	80	50572	82	50827	78			
	40887	92	50067	72	50185	71	50350	104	50504	80	50574	82	50828	78			
	40888	91	50068	72	50187	72	50352	72	50505	82	50575	82	50829	78			
	40888	92	50100	69	50190	77	50353	89	50506	82	50576	82	50830	78			
	40889	91	50101	71	50194	87	50355	89	50507	82	50578	83	50831	78			
	40889	92	50102	71	50195	71	50356	89	50508	82	50653	80	50832	78			
	40890	91	50111	71	50196	72	50358	71	50509	82	50654	89	50833	78			
	40890	92	50113	71	50202	72	50359	77	50510	82	50673	73	50834	78			
	40891	91	50114	71	50204	72	50372	82	50511	82	50674	73	50835	73			
	40891	92	50115	71	50205	71	50373	82	50512	82	50681	73	50837	72			
	40892	91	50121	77	50208	88	50374	82	50513	82	50682	73	50839	83			
	40892	92	50122	77	50212	75	50375	71	50514	82	50683	73	50840	83			
	50019	69	50123	77	50214	71	50376	88	50515	82	50698	73	50841	83			
	50020	69	50124	77	50215	72	50377	89	50516	82	50699	73	50842	83			
	50021	69	50125	77	50216	72	50379	88	50517	82	50700	74	50843	83			
	50022	69	50128	75	50217	72	50380	88	50518	82	50701	74	50858	72			
	50023	69	50129	75	50219	72	50381	88	50519	82	50702	74	50863	74			
	50024	69	50130	75	50220	72	50382	88	50520	82	50703	74	50864	74			
	50025	69	50131	76	50227	77	50383	88	50521	82	50704	74	50865	74			
	50026	69	50132	76	50228	72	50384	89	50522	82	50705	74	50880	72			
	50027	69	50133	76	50229	72	50385	89	50523	79	50706	74	50881	72			
	50028	69	50134	76	50233	71	50386	89	50524	79	50707	74	50882	72			
	50029	70	50135	76	50234	76	50387	83	50525	79	50708	74	50883	72			
	50030	70	50136	76	50235	76	50401	104	50526	79	50709	74	50884	72			
	50031	70	50137	76	50236	76	50402	83	50527	79	50710	74	50885	72			
	50033	71	50138	76	50237	76	50408	71	50529	79	50711	74	50886	72			
	50034	71	50139	76	50239	76	50409	104	50530	79	50715	74	50887	72			
	50035	71	50140	75	50240	71	50410	77	50531	79	50716	74	50888	72			
	50036	71	50141	75	50241	88	50411	81	50532	79	50717	74	50889	72			
	50037	71	50142	76	50242	72	50413	104	50534	79	50718	74	50890	72			
	50038	71	50143	76	50243	72	50416	104	50535	79	50719	74	50891	76			
	50039	71	50144	76	50244	88	50417	104	50536	79	50720	74	50892	89			
	50041	71	50145	76	50245	88	50418	104	50537	79	50721	74	50893	89			
	50042	71	50146	76	50246	88	50419	104	50538	79	50722	74	50897	70			
	50043	72	50147	76	50247	88	50420	104	50539	79	50726	74	50905	83			
	50044	72	50148	76	50309	71	50421	104	50540	79	50727	74	50920	70			
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	50046	71	50150	76	50313	79	50426	83	50542	79	50729	74	50983	71			
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	50052	72	50159	87	50323	103	50469	83	50546	79	50740	79	51065	69			
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	50054	71	50163	88	50325	103	50472	88	50548	79	50750	72	51080	72			
	50055	71	50164	88	50326	103	50476	88	50549	80	50753	80	51093	80			
	50056	71	50165	87	50327	103	50477	88	50550	80	50754	80	51114	74			
	50057	71	50166	69	50328	103	50489	83	50551	80	50763	73	51115	74			
	50058	71	50167	69	50329	103	50491	103	50555	82	50766	79	51151	76			
	50059	71	50168	69	50330	103	50492	103	50556	79	50767	79	51171	80			
	50060	71	50169	69	50331	104	50493	103	50557	77	50768	82	60008	75			
	50061	72	50170	72	50332	103	50494	103	50562	80	50769	83	60009	75			
	50062	72	50172	87	50333	103	50495	104	50568	82	50818	73	60010	75			
	50063	72	50178	87	50334	103	50499	80	50569	82	50819	73	60011	75			
	50064	72	50182	88	50335	104	50501	80	50570	82	50825	78	60012	75			
	50065	72	50183	87	50345	104	50502	80	50571	82	50826	78	60013	75			

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60014	75	80005	13	80068	12	90034	15	100008	111	100127	132	100296	113
60016	75	80006	13	80069	11	90035	15	100009	111	100128	132	100297	113
70006	210	80007	13	80072	12	90036	14	100010	111	100130	133	100298	113
70023	210	80008	12	80073	11	90037	14	100011	111	100131	133	100299	113
70044	210	80009	13	80074	12	90038	14	100012	111	100132	133	100300	113
70049	210	80010	13	80075	12	90039	14	100013	111	100133	133	100301	113
70066	210	80011	12	80076	11	90040	15	100014	111	100144	112	100302	113
70067	210	80012	13	80077	11	90041	15	100015	111	100146	112	100303	113
70086	210	80013	12	80078	11	90042	15	100016	111	100147	112	100304	113
70089	210	80014	13	80079	11	90043	15	100017	111	100148	112	100305	113
70090	210	80015	12	80080	11	90044	15	100018	111	100150	110	100306	113
70091	210	80016	13	80081	11	90045	15	100019	111	100152	110	100307	113
70095	210	80017	13	80082	11	90046	15	100020	111	100153	110	100308	114
70103	210	80018	13	80083	11	90047	15	100021	111	100182	212	100309	114
70104	210	80019	13	80084	11	90048	15	100022	111	100194	133	100311	114
70105	209	80020	13	80085	11	90049	15	100023	111	100201	212	100312	114
70106	209	80021	13	80086	11	90050	15	100024	111	100202	132	100313	114
70107	209	80022	13	80087	12	90051	15	100025	111	100210	113	100314	114
70108	209	80023	13	80088	12	90052	15	100026	111	100211	113	100315	114
70109	209	80024	13	80089	12	90053	15	100027	111	100212	113	100353	212
70110	209	80025	13	80090	12	90058	16	100028	111	100213	113	100354	114
70111	209	80026	13	80091	11	90059	16	100029	111	100214	113	100355	114
70112	209	80027	13	80098	11	90060	16	100030	111	100215	113	100356	114
70113	209	80028	13	80207	11	90061	16	100031	111	100216	113	100357	114
70114	209	80029	13	80208	11	90062	16	100032	111	100217	113	100358	114
70137	210	80030	11	80223	12	90063	16	100033	111	100218	113	100359	114
70138	210	80031	11	80225	11	90064	16	100034	111	100220	113	100360	114
70159	210	80032	11	90001	13	90065	16	100035	111	100230	132	100361	114
70164	210	80033	11	90002	13	90066	16	100036	111	100231	132	100362	114
70192	210	80035	11	90003	14	90072	50	100037	111	100234	132	100363	114
70193	210	80037	11	90004	14	90074	16	100038	111	100248	132	100364	114
70202	210	80038	11	90005	14	90075	50	100039	110	100249	133	100366	206
70220	209	80039	11	90006	13	90078	50	100040	110	100250	133	100386	206
70236	210	80040	11	90007	13	90080	50	100041	110	100251	133	100390	115
70242	209	80041	11	90008	14	90091	50	100042	110	100258	212	100394	123
70243	209	80042	11	90009	14	90092	50	100056	112	100275	203	100395	123
70244	209	80043	11	90010	13	90093	13	100057	112	100276	203	100418	202
70245	209	80044	11	90011	15	90098	50	100058	112	100277	203	100419	202
70251	210	80045	11	90012	15	90105	50	100059	112	100278	203	100420	202
70252	210	80046	11	90013	15	90108	50	100060	112	100279	203	100421	202
70253	210	80047	11	90014	15	90109	14	100066	110	100280	203	100422	202
70254	210	80048	11	90015	15	90112	15	100095	212	100281	203	100423	202
70255	210	80049	11	90016	15	90113	15	100101	212	100282	203	100424	202
70256	210	80050	11	90018	14	90116	13	100104	212	100283	203	100425	202
70257	210	80051	11	90019	14	90117	14	100106	129	100284	203	100426	202
70258	210	80052	11	90020	14	90123	14	100107	129	100285	203	100427	202
70673	210	80053	11	90021	14	90135	14	100108	129	100286	203	100428	202
70682	211	80054	11	90022	14	90136	14	100109	129	100287	203	100429	202
70683	211	80055	12	90023	50	100001	111	100110	129	100288	203	100430	202
70698	211	80056	12	90024	50	100002	111	100111	129	100289	203	100431	202
70699	211	80057	12	90025	50	100003	111	100112	129	100290	203	100432	202
70700	211	80058	12	90026	50	100004	111	100113	129	100291	203	100433	202
70701	211	80059	12	90027	15	100005	111	100114	129	100292	203	100434	202
80003	12	80061	13	90029	50	100006	111	100125	132	100294	113	100435	202
80004	13	80062	13	90030	50	100007	111	100126	132	100295	113	100443	123

Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
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Datenleitungen

Conductor ropes

Technical Appendix

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	p/n	page	p/n	page	p/n	page	p/n	page	p/n	page	p/n	page	p/n	page	p/n	page	
	100445	123	100576	188	100675	126	100800	128	100946	213	101365	130	110099	119			
	100446	123	100577	188	100678	126	100801	128	100951	208	101366	130	110112	119			
	100447	123	100578	188	100679	126	100802	128	100952	208	110001	118	110158	121			
	100448	123	100579	188	100680	126	100804	127	100958	123	110002	119	110161	213			
	100449	123	100580	123	100681	126	100805	127	100961	190	110003	118	110162	213			
	100450	123	100581	123	100682	126	100806	127	100967	212	110004	119	110163	120			
	100452	130	100583	126	100683	126	100808	127	101008	208	110005	118	110165	120			
	100454	115	100589	125	100684	126	100810	127	101009	134	110006	119	110198	120			
	100463	213	100592	207	100685	126	100811	127	101010	192	110008	119	110200	120			
	100469	213	100593	207	100686	126	100813	127	101011	192	110009	118	110201	120			
	100470	115	100601	132	100687	126	100816	127	101012	213	110010	119	110202	120			
	100471	115	100602	123	100690	126	100817	127	101019	212	110011	118	110213	120			
	100472	213	100603	125	100691	126	100818	127	101025	189	110012	119	110214	120			
	100476	212	100604	213	100694	126	100819	127	101042	213	110014	118	110219	121			
	100477	213	100605	212	100695	126	100820	127	101043	208	110015	119	110220	121			
	100478	213	100607	132	100696	126	100822	127	101049	192	110016	118	110221	121			
	100479	125	100608	132	100697	126	100823	127	101055	129	110017	119	110222	121			
	100485	213	100609	132	100699	126	100825	127	101056	188	110018	118	110223	122			
	100488	188	100610	132	100700	126	100828	127	101057	188	110019	119	110224	122			
	100492	213	100615	125	100703	127	100829	127	101064	130	110020	118	110225	122			
	100495	126	100616	213	100704	130	100830	127	101065	130	110021	119	110226	122			
	100498	213	100618	130	100719	213	100831	127	101066	130	110022	118	110231	120			
	100500	130	100620	126	100721	130	100832	128	101067	130	110023	119	110232	120			
	100501	123	100621	190	100723	123	100833	128	101068	130	110024	117	110233	120			
	100502	123	100624	125	100724	123	100834	128	101085	213	110025	116	110234	122			
	100503	193	100626	124	100727	127	100835	128	101093	134	110026	117	110236	121			
	100517	191	100637	124	100728	127	100842	192	101112	130	110027	116	110237	121			
	100518	124	100638	124	100729	127	100843	192	101113	130	110028	117	110240	121			
	100520	115	100639	124	100735	213	100848	212	101120	190	110029	116	110248	121			
	100521	115	100640	124	100737	191	100851	131	101121	190	110030	117	110250	213			
	100522	115	100641	124	100738	191	100852	131	101131	188	110031	116	110251	213			
	100523	115	100642	124	100740	191	100853	131	101195	132	110032	117	110268	121			
	100529	212	100643	125	100741	191	100854	131	101196	208	110033	116	110273	121			
	100530	124	100644	125	100742	133	100855	131	101206	213	110034	117	110285	120			
	100533	193	100645	125	100743	133	100856	131	101263	213	110035	116	110297	122			
	100536	115	100646	125	100744	134	100857	131	101269	213	110036	117	110300	121			
	100537	115	100647	125	100745	134	100858	131	101275	129	110037	116	110301	120			
	100538	115	100650	125	100746	134	100859	131	101289	125	110038	117	110324	121			
	100544	188	100651	125	100754	127	100860	131	101290	124	110039	116	110325	121			
	100556	133	100652	125	100755	127	100861	131	101299	129	110040	117	110393	120			
	100557	133	100653	125	100777	127	100862	131	101300	129	110041	116	110413	120			
	100558	133	100654	125	100778	127	100863	131	101301	188	110042	117	110420	121			
	100560	126	100655	125	100779	127	100864	131	101302	188	110043	116	110422	122			
	100561	126	100656	125	100780	127	100865	131	101304	187	110044	117	110439	122			
	100562	125	100657	125	100782	127	100866	131	101305	187	110069	119	110440	122			
	100563	125	100658	125	100786	127	100867	213	101307	187	110073	119	110445	122			
	100564	124	100660	125	100787	127	100926	190	101308	187	110074	119	110446	122			
	100565	126	100663	125	100788	127	100927	132	101309	187	110075	116	110447	122			
	100568	189	100664	125	100789	127	100928	123	101310	187	110076	117	110473	121			
	100569	189	100665	125	100791	127	100929	123	101311	187	110077	118	110555	121			
	100570	189	100666	125	100793	127	100930	124	101318	208	110078	119					
	100571	189	100667	125	100796	127	100931	124	101321	187	110079	118					
	100573	190	100670	125	100797	127	100932	124	101362	213	110080	116					
	100574	190	100671	126	100798	127	100933	124	101363	213	110083	116					
	100575	188	100674	126	100799	127	100945	190	101364	130	110091	119					

The current payment and delivery conditions can be found under
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Un Mundo en Automatización y Potencia

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