



CATALOGUE

WE ALWAYS HAVE
SOMETHING IN STORE.



YOUR CONTACT

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You can find further useful information such as, for example, our image film, a metal course archive or our download area at

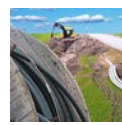
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BUILDING
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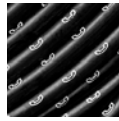


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MISCELLANEOUS
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TECHNICAL
APPENDIX

HIGH
PRODUCT AVAILABILITY
MEETS STRONG
RANGE.

Product availability and product variety are the foundations of our business concept. Our product portfolio with up to 17.000 items makes our cable and wire range one of the largest in Europe. We keep a goods volume of approximately 100 million euros available in 148,000 m². This way we can considerably minimize the risk for our clients because our just-in-time delivery offers the best protection from theft. Plus the fact that our business partners don't need to commit any capital, thanks to our inventory.

Our performance spectrum meanwhile ranges from high voltage cables via data lines through to special cables. We deliver our products around the world from two logistics locations in Germany, in the cross-sections and lengths you require.

We combine internationality in an ideal manner with the flat hierarchies and short distances of a dynamic and personally managed medium-size company – the best conditions for constant top performance. We garner top marks in the supplier ratings of our clients for our on-time delivery and adherence to schedules, and are regarded as an A-supplier in the industry.



up to
17,000
ITEMS
in our product
portfolio





100
MIO €
Volume of goods



148.000 m²
area

You can meanwhile not only rely on ourselves, but also on our products. Our brand FABER® not only stands for an unfailingly good product quality, but also for excellent service. Which, besides the product availability, also includes a steady delivery performance as well as competent and comprehensive advice. We ensure our high quality standard by way of regular and intensive quality controls. Our own companies and partner factories are all ISO 9001-certified. The standard models for the German market are VDE-approved, of course. In addition to this, many of our products have been internationally certified as per UL, CSA or EAC.

We hope you will enjoy browsing through this. And please get in touch with any questions you may have. We would be delighted to help you.

YOUR FABER-TEAM

MANY INDUSTRIES.
ONE MISSION.



A great number of renowned companies in a broad variety of industries put their trust in us around the world. Rely on us. We know the ropes.



ELECTRICAL WHOLESALERS

MECHANICAL AND PLANT ENGINEERING

ENERGY INDUSTRY

We have been successfully established in the market for almost 50 years now, and know that every industry has its own unique characteristics and individual requirements. We have been able to prove our know-how and skills in a great number of projects already.



CONSTRUCTION INDUSTRY

TRANSPORT AND TRAFFIC

COMPUTING

SPECIAL CABLES

We will always find a custom-fit solution for our customers. These can be tried-and-tested solutions, but also concepts you might not have even thought of. The possibilities are virtually unlimited, thanks to our comprehensive product portfolio. On top of that we also offer you on-time delivery, competitive prices and an outstanding customer service – also in technical matters.

You can find a selection of our reference clients on our website.



WE HAVE THE
BEST CONNECTIONS.

OUR PREASSEMBLED CABLES.

Be it for cranes, concrete mixers or construction machinery – you can have cables with a wire cross-section of 16 to 240 mm² (and up to 300 mm² with single-core cables) pre-assembled by us in small batches, using high-quality cable lugs, ferrules, couplings and plugs from renowned manufacturers. The type of preassembly is meanwhile individually tailored to the customer's wishes. A final inspection of the preassembled cables guarantees consistent quality.



OUR CABLE PRINTING SERVICE.

Are you in need of individual labelling for your products that is wind- and weather-proof and offers effective protection from theft or mix-ups? No problem. We will turn your cables and wires into unique specimens with our printing service. Printable are all cables and wires from a cross-section of 3 x 1.5 mm², and that from a minimum purchase volume of no more than 5 meters.

YOU ARE
UNIQUE.

am laufenden Meter



STRONG TEAM.

STRONG SERVICE.

Service means seeing the business with the eyes of the customer. Which is why our entire company and every one of its employees strive to consistently align our proposals and services with the customers' wishes. We therefore consider it meaningful for you to have a dedicated consultant in our company who knows you and is aware of your priorities in orders and deliveries. Because we want satisfied customers who, in a best-case scenario, will also become ambassadors of their – and our – favourite brand: FABER®.





ACTIONS SPEAK

LOUDER THAN WORDS.

We will supply you from stock with cables and wires in nearly all cross-sections and individual lengths virtually anywhere in the world. We will take care of your concerns regardless of whether you need special air freight packaging, ISPM 15 heat treatment or export management in the Atlas process. We can offer you a great variety of transport solutions – all according to your needs. We are there when time is of the essence. We stick to exact delivery dates or enable collection by you as the customer. We do our utmost to satisfy you in every case.



DIGITAL THROUGH AND THROUGH. OUR E-SERVICES.

Benefit from our digital services. Our company is networked with various online information and data exchange systems that will conveniently and comprehensively provide you with information on prices, availabilities and a lot more besides.

Our web services ELGATE and GeDa-X enable you to access inventory information online. Our product master data and latest price information are available in different standard formats. Catalogues and brochures can be found at our OXOMI platform for browsing or download. Our range of e-services is rounded off by the data provision at EPLAN.

We not only set new standards, but also consistently increase our service quality. If you are interested in our e-services, please get in touch with your contact person for internal and external field service or directly with our master data management.



WE GO STRICTLY NEW WAYS AND PROTECT TO
OURSELVES WITH IT OUR SERVICE STRENGTH.

ALWAYS IN THE INTEREST
OF OR CUSTOMERS.



POWER CABLES

1 UP TO 30 KV

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NYY-J



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-603
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	PVC DIV 4
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011840	01X4	RE	SW	38.0	9.1	110.0
011742	01X6	RE	SW	58.0	9.5	130.0
010133	01X10	RE	SW	96.0	10.2	180.0
010116	01X16	RE	SW	154.0	11.2	240.0
010117	01X25	RM	SW	240.0	12.2	350.0
010118	01X35	RM	SW	336.0	13.2	460.0
010119	01X50	RMv	SW	480.0	15.4	600.0
010120	01X70	RMv	SW	672.0	16.4	800.0
010121	01X95	RMv	SW	912.0	18.5	1100.0
010147	01X120	RMv	SW	1152.0	20.5	1350.0
010148	01X150	RMv	SW	1440.0	22.5	1650.0
010506	01X185	RMv	SW	1776.0	24.6	2000.0
010507	01X240	RMv	SW	2304.0	27.6	2600.0
011225	01X300	RMv	SW	2880.0	29.7	3200.0
012110	01X400	RMv	SW	3840.0	33.8	4100.0
010003	03X1.5	RE	SW	43.0	11.2	190.0
010012	03X2.5	RE	SW	72.0	12.2	240.0
010020	03X4	RE	SW	115.0	14.2	330.0
010023	03X6	RE	SW	173.0	15.2	420.0
010004	03X10	RE	SW	288.0	17.3	580.0
010009	03X16	RE	SW	461.0	19.3	810.0
010015	03X25	RM	SW	720.0	24.5	1300.0
010018	03X35	SM	SW	1008.0	22.6	1400.0
010021	03X50	SMv	SW	1440.0	25.6	1800.0
010024	03X70	SMv	SW	2016.0	29.7	2400.0
010026	03X95	SMv	SW	2736.0	33.8	3300.0
010005	03X120	SMv	SW	3456.0	35.8	4000.0
010007	03X150	SMv	SW	4320.0	39.8	4900.0
010010	03X185	SMv	SW	5328.0	46.0	6500.0
010013	03X240	SMv	SW	6912.0	51.0	8300.0
014166	03X400	SMv	SW	11520.0	62.4	13721.0
010491	03X16/10	RE	SW	557.0	21.2	1030.0
010016	03X25/16	RM	SW	874.0	24.5	1500.0
010019	03X35/16	SM	SW	1162.0	24.5	1700.0
010022	03X50/25	SMv	SW	1680.0	28.7	2300.0
010025	03X70/35	SMv	SW	2352.0	31.7	2800.0
010027	03X95/50	SMv	SW	3216.0	37.8	3800.0
010006	03X120/70	SMv	SW	4128.0	41.0	4700.0
010008	03X150/70	SMv	SW	4992.0	45.0	5600.0
010011	03X185/95	SMv	SW	6240.0	50.0	7400.0
010014	03X240/120	SMv	SW	8064.0	57.0	9600.0





Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
010017	03X300/150	SMv	SW	10080.0	64.0	11200.0
010028	04X1.5	RE	SW	58.0	12.2	220.0
010034	04X2.5	RE	SW	96.0	13.2	290.0
010038	04X4	RE	SW	154.0	15.3	400.0
010040	04X6	RE	SW	230.0	16.3	510.0
010029	04X10	RE	SW	384.0	18.3	720.0
014632	04X10	RM	SW	384.0	18.0	640.0
010032	04X16	RE	SW	614.0	21.4	1050.0
011018	04X16	RM	SW	614.0	21.4	1050.0
010036	04X25	RM	SW	960.0	25.5	1600.0
010037	04X35	SM	SW	1344.0	27.7	1750.0
010039	04X50	SMv	SW	1920.0	29.8	2300.0
010041	04X70	SMv	SW	2688.0	33.8	3100.0
010042	04X95	SMv	SW	3648.0	38.9	4200.0
010030	04X120	SMv	SW	4608.0	42.0	5200.0
010031	04X150	SMv	SW	5760.0	47.0	6400.0
010033	04X185	SMv	SW	7104.0	52.0	8050.0
010035	04X240	SMv	SW	9216.0	58.0	11000.0
013150	04X300	SMv	SW	11520.0	62.4	13127.0
010043	05X1.5	RE	SW	72.0	13.2	270.0
010046	05X2.5	RE	SW	120.0	14.2	350.0
010049	05X4	RE	SW	192.0	16.3	480.0
010050	05X6	RE	SW	288.0	18.3	610.0
010044	05X10	RE	SW	480.0	20.4	880.0
014455	05X10	RM	SW	480.0	19.5	816.0
010045	05X16	RE	SW	768.0	22.4	1250.0
014039	05X16	RM	SW	768.0	23.0	1250.0
010047	05X25	RM	SW	1200.0	27.5	1950.0
010048	05X35	RM	SW	1680.0	33.6	2400.0
011028	05X50	RMv	SW	2400.0	40.0	3500.0
012086	05X70	RMv	SW	3360.0	42.4	4450.0
012087	05X95	RMv	SW	4560.0	50.0	6134.0
012088	05X120	RMv	SW	5760.0	51.3	7483.0
014648	05X150	RMv	SW	7200.0	58.5	8361.0

POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

FLEXIBLE
WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
ELECTRONIC CABLES

CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

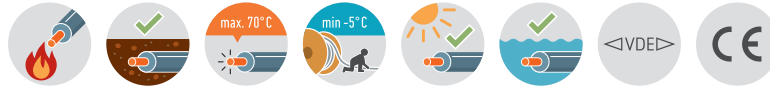
COAXIAL CABLES

OPTICAL FIBRE
CABLES

MISCELLANEOUS
PRODUCTS

TECHNICAL
APPENDIX

NYY-O



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-603
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	PVC DIV 4
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011512	01X1.5	RE	SW	14.4	7.0	63.0
012625	01X2.5	RE	SW	24.0	7.9	105.0
010085	01X4	RE	SW	38.0	9.1	110.0
010087	01X6	RE	SW	58.0	9.5	130.0
010076	01X10	RE	SW	96.0	10.2	180.0
010079	01X16	RE	SW	154.0	11.2	240.0
010082	01X25	RM	SW	240.0	12.2	350.0
010084	01X35	RM	SW	336.0	13.2	460.0
010086	01X50	RMv	SW	480.0	15.4	600.0
010088	01X70	RMv	SW	672.0	16.4	800.0
010089	01X95	RMv	SW	912.0	18.5	1100.0
010077	01X120	RMv	SW	1152.0	20.5	1350.0
010078	01X150	RMv	SW	1440.0	22.5	1650.0
010080	01X185	RMv	SW	1776.0	24.6	2000.0
010081	01X240	RMv	SW	2304.0	27.6	2600.0
010083	01X300	RMv	SW	2880.0	29.7	3200.0
010115	01X400	RMv	SW	3840.0	33.8	4100.0
010141	01X500	RMv	SW	4800.0	38.0	5200.0
010283	01X630	RMv	SW	6048.0	42.5	6650.0
014517	01X800	RMv	SW	7680.0	45.2	8088.0
010090	02X1.5	RE	SW	29.0	11.0	170.0
010093	02X2.5	RE	SW	48.0	12.0	210.0
010095	02X4	RE	SW	77.0	14.0	290.0
010096	02X6	RE	SW	115.0	15.2	360.0
010091	02X10	RE	SW	192.0	16.6	490.0
010092	02X16	RE	SW	307.0	19.0	660.0
010140	02X25	RM	SW	480.0	23.0	940.0
014009	02X35	RM	SW	672.0	25.6	1285.0
013967	02X50	RMv	SW	960.0	27.0	1620.0
011554	03X1.5	RE	SW	43.0	11.2	190.0
011033	03X2.5	RE	SW	72.0	12.2	240.0
010480	03X4	RE	SW	115.0	14.2	330.0
010508	03X6	RE	SW	173.0	15.2	420.0
010483	03X10	RE	SW	288.0	17.3	580.0
010484	03X25	RM	SW	720.0	24.5	1300.0
011032	03X35	SM	SW	1008.0	22.6	1350.0
010150	03X50	SMv	SW	1440.0	25.6	1800.0
014010	03X70	SMv	SW	2016.0	29.7	2400.0
010149	03X95	SMv	SW	2736.0	33.8	3300.0
014011	03X120	SMv	SW	3456.0	35.8	4000.0
010510	03X150	SMv	SW	4320.0	39.8	4900.0



»»» NYY-O

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011552	03X185	SMv	SW	5328.0	46.0	6500.0
014012	03X240	SMv	SW	6912.0	51.0	8300.0
011553	04X1.5	RE	SW	58.0	12.2	220.0
011849	04X2.5	RE	SW	96.0	13.2	290.0
010509	04X4	RE	SW	154.0	15.3	400.0
010109	04X6	RE	SW	230.0	16.3	510.0
010102	04X10	RE	SW	384.0	18.3	720.0
010105	04X16	RE	SW	614.0	21.4	1050.0
010106	04X25	RM	SW	960.0	25.5	1600.0
010107	04X35	SM	SW	1344.0	27.7	1750.0
010108	04X50	SMv	SW	1920.0	29.8	2300.0
010110	04X70	SMv	SW	2688.0	33.8	3100.0
010111	04X95	SMv	SW	3648.0	38.9	4200.0
010103	04X120	SMv	SW	4608.0	42.0	5200.0
010104	04X150	SMv	SW	5760.0	47.0	6400.0
011010	04X185	SMv	SW	7104.0	52.0	8050.0
011531	04X240	SMv	SW	9216.0	58.0	11000.0

NYY-JZ



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-627
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC DIV 4
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C

Application:
For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
010052	07X1.5	RE	SW	101.0	16.0	300.0
012003	08X1.5	RE	SW	115.0	14.2	334.0
010055	10X1.5	RE	SW	144.0	19.0	360.0
010057	12X1.5	RE	SW	173.0	19.0	400.0
010059	14X1.5	RE	SW	202.0	20.0	450.0
010061	16X1.5	RE	SW	230.0	21.0	500.0
010063	19X1.5	RE	SW	274.0	22.0	560.0
010065	21X1.5	RE	SW	302.0	23.0	620.0
010067	24X1.5	RE	SW	346.0	25.0	700.0
010069	30X1.5	RE	SW	432.0	26.0	810.0
011511	31X1.5	RE	SW	446.0	27.0	834.0
010071	40X1.5	RE	SW	576.0	29.0	1050.0
010073	52X1.5	RE	SW	749.0	32.0	1400.0
010075	61X1.5	RE	SW	878.0	34.0	1650.0
010053	07X2.5	RE	SW	168.0	17.0	420.0
010056	10X2.5	RE	SW	240.0	20.0	500.0
010058	12X2.5	RE	SW	288.0	21.0	560.0
010060	14X2.5	RE	SW	336.0	21.0	630.0
010062	16X2.5	RE	SW	384.0	22.0	710.0





Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
010064	19X2.5	RE	SW	456.0	23.0	830.0
010066	21X2.5	RE	SW	504.0	25.0	910.0
010068	24X2.5	RE	SW	576.0	27.0	1050.0
010070	30X2.5	RE	SW	720.0	28.0	1250.0
010072	40X2.5	RE	SW	960.0	31.0	1650.0
010074	52X2.5	RE	SW	1248.0	35.0	2150.0
010054	07X4	RE	SW	269.0	19.0	630.0
011216	10X4	RE	SW	384.0	23.0	930.0
013799	12X4	RE	SW	461.0	24.1	1100.0
011530	14X4	RE	SW	538.0	25.0	1000.0
013028	18X4	RE	SW	691.2	25.7	1181.0
011759	19X4	RE	SW	730.0	28.0	1354.0
012256	24X4	RE	SW	922.0	30.0	1636.0
010918	07X6	RE	SW	403.0	21.0	840.0
012197	14X6	RE	SW	806.0	25.9	1354.0
010930	07X10	RE	SW	672.0	23.0	1150.0




CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-627
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC DIV 4
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C

Application:

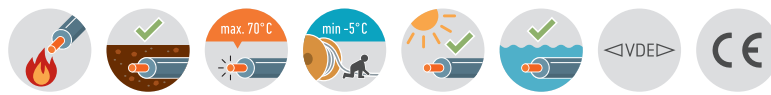
For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011861	05X1.5	RE	SW	72.0	13.2	270.0
010490	07X1.5	RE	SW	101.0	16.0	300.0
012089	08X1.5	RE	SW	115.0	14.2	334.0
012090	10X1.5	RE	SW	144.0	19.0	360.0
011034	12X1.5	RE	SW	173.0	19.0	400.0
012091	14X1.5	RE	SW	202.0	20.0	450.0
011862	16X1.5	RE	SW	230.0	21.0	500.0
012092	19X1.5	RE	SW	274.0	22.0	560.0
012093	21X1.5	RE	SW	302.0	23.0	620.0
011863	24X1.5	RE	SW	346.0	25.0	700.0
011035	30X1.5	RE	SW	432.0	26.0	810.0
012094	40X1.5	RE	SW	576.0	29.0	1050.0
012095	05X2.5	RE	SW	120.0	14.2	350.0
011687	07X2.5	RE	SW	168.0	17.0	420.0
012096	08X2.5	RE	SW	192.0	17.4	480.0
011778	10X2.5	RE	SW	240.0	20.0	500.0
012097	12X2.5	RE	SW	288.0	21.0	560.0
011779	14X2.5	RE	SW	336.0	21.0	630.0
012098	16X2.5	RE	SW	384.0	22.0	710.0
012099	19X2.5	RE	SW	456.0	23.0	830.0

»»» NYY-OZ

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
012100	21X2.5	RE	SW	504.0	25.0	910.0
011780	24X2.5	RE	SW	576.0	27.0	1050.0
012101	30X2.5	RE	SW	720.0	28.0	1250.0
014534	40X2.5	RE	SW	960.0	32.0	1650.0
011688	07X4	RE	SW	269.0	19.0	630.0
012103	10X4	RE	SW	384.0	23.4	930.0
014531	12X4	RE	SW	461.0	22.0	885.0
012104	14X4	RE	SW	538.0	25.0	1000.0
012105	19X4	RE	SW	730.0	27.7	1354.0
014532	24X4	RE	SW	921.6	30.0	1590.0
014533	40X4	RE	SW	1536.0	40.0	2550.0

NAYY-J



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-603
Conductor material	aluminium
Insulation	PVC DIV 4
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Nominal voltage U₀	600 V

Application:
For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
090215	01X16	RE	SW	46.4	10.5	145.0
090216	01X25	RE	SW	72.5	12.0	195.0
090217	01X35	RE	SW	101.5	13.5	255.0
090218	01X50	RMv	SW	145.0	15.4	298.0
090219	01X70	RMv	SW	203.0	17.0	383.0
090220	01X95	RMv	SW	275.0	19.0	490.0
090221	01X120	RMv	SW	348.0	20.0	575.0
090222	01X150	RMv	SW	435.0	22.0	695.0
090223	01X185	RMv	SW	536.0	25.0	845.0
090205	01X240	RMv	SW	696.0	28.0	1100.0
090224	01X300	RMv	SW	870.0	30.0	1379.0
090225	01X400	RMv	SW	1160.0	34.0	1615.0
090226	01X500	RMv	SW	1450.0	37.0	2015.0
090227	01X630	RMv	SW	1827.0	43.0	2472.0
090228	01X800	RMv	SW	2320.0	45.0	3120.0
090197	04X16	RE	SW	186.0	24.0	750.0
090193	04X25	RE	SW	290.0	25.0	950.0
090194	04X35	RE	SW	406.0	28.1	1120.0
090001	04X50	SE	SW	580.0	29.5	1151.0
090002	04X70	SE	SW	812.0	35.0	1549.0
090008	04X95	SE	SW	1102.0	39.0	2030.0
090003	04X120	SE	SW	1392.0	43.0	2400.0
090004	04X150	SE	SW	1740.0	46.0	3030.0
090005	04X185	SE	SW	2146.0	51.0	3650.0
090009	04X240	SE	SW	2784.0	56.0	4800.0





Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
090280	04X300	SE	SW	3480.0	65.5	5685.0
090187	05X10	RE	SW	145.0	19.3	585.0
090183	05X16	RE	SW	232.0	22.5	938.0
090188	05X25	RE	SW	362.5	27.1	1188.0
090363	05X25	RM	SW	362.5	27.1	1188.0
090189	05X35	RE	SW	507.5	30.2	1375.0
090364	05X35	RM	SW	507.5	30.2	1375.0
090181	05X50	RMv	SW	725.0	36.2	1720.0
090184	05X70	RMv	SW	1015.0	44.0	2240.0
090185	05X95	RMv	SW	1378.0	47.0	3060.0
090186	05X120	RMv	SW	1740.0	53.0	3580.0
090191	05X150	RMv	SW	2175.0	56.0	4400.0
090182	05X185	RMv	SW	2683.0	59.0	5481.0
090192	05X240	RMv	SW	3480.0	71.0	7000.0
090116	04X50	SMv	SW	580.0	29.5	1151.0
090117	04X70	SMv	SW	812.0	33.4	1549.0
090018	04X95	SMv	SW	1102.0	39.0	2030.0
090019	04X120	SMv	SW	1392.0	43.0	2400.0
090020	04X150	SMv	SW	1740.0	46.0	3030.0
090021	04X185	SMv	SW	2146.0	51.0	3650.0
090022	04X240	SMv	SW	2784.0	58.0	4800.0
090123	04X300	SMv	SW	3480.0	65.5	5685.0




CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-603
Conductor material	aluminium
Insulation	PVC DIV 4
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Nominal voltage U₀	600 V

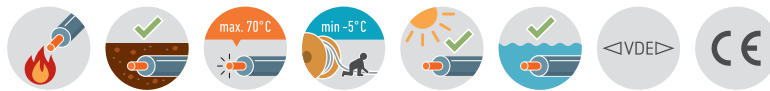
Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
090174	01X16	RE	SW	46.4	10.5	145.0
090175	01X25	RE	SW	72.5	12.0	195.0
090176	01X35	RE	SW	101.5	13.5	255.0
090196	01X35	RM	SW	101.5	13.5	255.0
090179	01X50	RMv	SW	145.0	15.4	298.0
090037	01X70	RMv	SW	203.0	17.0	383.0
090038	01X95	RMv	SW	275.0	19.0	490.0
090039	01X120	RMv	SW	348.0	20.0	575.0
090040	01X150	RMv	SW	435.0	22.0	695.0
090041	01X185	RMv	SW	536.0	25.0	845.0
090035	01X240	RMv	SW	696.0	28.0	1100.0
090027	01X300	RMv	SW	870.0	30.0	1379.0
090042	01X400	RMv	SW	1160.0	34.0	1615.0
090043	01X500	RMv	SW	1450.0	37.0	2015.0

Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
090034	01X630	RMv	SW	1827.0	43.0	2472.0
090173	01X800	RMv	SW	2320.0	45.0	3120.0
090044	04X16	RE	SW	186.0	24.0	750.0
090229	04X25	RE	SW	290.0	25.0	950.0
090230	04X35	RE	SW	406.0	28.1	1120.0
090231	04X50	SE	SW	580.0	30.0	1151.0
090232	04X70	SE	SW	812.0	35.0	1549.0
090233	04X95	SE	SW	1102.0	39.0	2030.0
090234	04X120	SE	SW	1392.0	43.0	2400.0
090235	04X150	SE	SW	1740.0	46.0	3030.0
090236	04X185	SE	SW	2146.0	51.0	3650.0
090237	04X240	SE	SW	2784.0	56.0	4800.0

NYCWY



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-603
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	PVC DIV 4
Concentric conductor	Cu
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C

Application:
For fixed installation indoors, outdoors, in the ground, in water and in concrete.

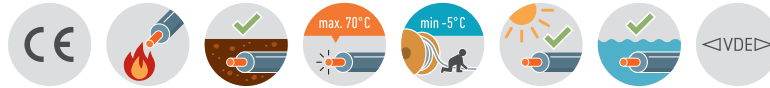
Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
080234	01X95/50	RM	SW	1472.0	24.0	1761.0
080235	01X240/120	RM	SW	3634.0	32.6	4067.0
080001	02X10/10	RE	SW	312.0	19.4	610.0
080002	02X16/16	RE	SW	489.0	20.4	840.0
080263	02X25/16	RM	SW	662.0	24.4	1299.0
080233	02X25/25	RM	SW	763.0	25.1	1340.0
080236	02X50/25	RM	SW	1243.0	30.3	2045.0
080003	03X10/10	RE	SW	408.0	19.4	750.0
080008	03X16/16	RE	SW	643.0	21.4	1050.0
080010	03X25/16	RM	SW	902.0	25.5	1600.0
080012	03X35/16	SM	SW	1190.0	27.6	1700.0
080014	03X50/25	SMv	SW	1723.0	28.7	2300.0
080016	03X70/35	SMv	SW	2410.0	32.8	2900.0
080018	03X95/50	SMv	SW	3296.0	37.8	4000.0
080005	03X120/70	SMv	SW	4236.0	40.8	5000.0
080007	03X150/70	SMv	SW	5100.0	45.0	6000.0
080009	03X185/95	SMv	SW	6383.0	50.0	7500.0
080061	03X240/120	SMv	SW	8242.0	57.0	10000.0
080011	03X25/25	RM	SW	1003.0	25.5	1600.0
080013	03X35/35	SM	SW	1402.0	25.7	1850.0
080015	03X50/50	SMv	SW	2000.0	28.7	2400.0
080017	03X70/70	SMv	SW	2796.0	33.8	3300.0
080019	03X95/95	SMv	SW	3791.0	37.8	4500.0
080004	03X120/120	SMv	SW	4786.0	41.8	5500.0
080006	03X150/150	SMv	SW	5970.0	46.0	6750.0





Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
080259	03X300/150	SMv	SW	10290.0	60.5	11615.0
080020	04X10/10	RE	SW	504.0	20.4	870.0
080023	04X16/16	RE	SW	796.0	23.4	1250.0
080099	04X16/16	RM	SW	796.0	23.4	1250.0
080025	04X25/16	RM	SW	1142.0	27.6	1800.0
080026	04X35/16	SM	SW	1526.0	28.6	2050.0
080027	04X50/25	SMv	SW	2203.0	32.8	2700.0
080028	04X70/35	SMv	SW	3082.0	36.8	3750.0
080029	04X95/50	SMv	SW	4208.0	43.9	5000.0
080021	04X120/70	SMv	SW	5388.0	47.0	6300.0
080022	04X150/70	SMv	SW	6540.0	51.0	7600.0
080024	04X185/95	SMv	SW	8159.0	56.0	9300.0
080062	04X240/120	SMv	SW	10546.0	63.0	11600.0
080254	04X300/150	SMv	SW	13170.0	69.6	15331.0

NYCY



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-603
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	PVC DIV 4
Concentric conductor	Cu
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
080030	02X1.5/1.5	RE	SW	52.0	13.0	200.0
080031	02X2.5/2.5	RE	SW	80.0	13.6	260.0
080032	02X4/4	RE	SW	123.0	15.4	350.0
080033	02X6/6	RE	SW	182.0	16.9	430.0
080035	03X1.5/1.5	RE	SW	66.0	13.2	220.0
080037	03X2.5/2.5	RE	SW	104.0	14.2	280.0
080147	03X2.5/10	RE	SW	192.0	14.4	359.0
080038	03X4/4	RE	SW	161.0	16.3	390.0
080039	03X6/6	RE	SW	240.0	17.3	500.0
080040	04X1.5/1.5	RE	SW	81.0	14.2	250.0
080041	04X2.5/2.5	RE	SW	128.0	15.3	340.0
080042	04X4/4	RE	SW	200.0	17.3	460.0
080043	04X6/6	RE	SW	297.0	18.4	580.0
080044	05X1.5/1.5	RE	SW	95.0	15.0	330.0
080076	05X2.5/2.5	RE	SW	152.0	16.0	400.0
080083	05X4/4	RE	SW	238.0	19.0	550.0
080084	05X6/6	RE	SW	355.0	21.0	700.0
080045	07X1.5/2.5	RE	SW	133.0	15.3	350.0
080046	07X2.5/2.5	RE	SW	200.0	17.4	450.0
080047	07X4/4	RE	SW	315.0	20.0	600.0
080085	07X6/6	RE	SW	470.0	22.5	790.0
080048	10X1.5/2.5	RE	SW	176.0	18.4	410.0
080049	10X2.5/4	RE	SW	286.0	20.4	600.0





Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km	
080086	10X4/6	RE	SW	451.0	23.5	900.0
080050	12X1.5/2.5	RE	SW	205.0	19.4	470.0
080051	12X2.5/4	RE	SW	334.0	20.5	660.0
080069	12X4/6	RE	SW	528.0	24.5	1060.0
080052	14X1.5/2.5	RE	SW	234.0	20.4	520.0
080053	14X2.5/6	RE	SW	403.0	21.5	750.0
080073	16X1.5/4	RE	SW	276.0	20.0	620.0
080054	16X2.5/6	RE	SW	451.0	22.5	800.0
080055	19X1.5/4	RE	SW	320.0	22.5	660.0
080056	19X2.5/6	RE	SW	523.0	23.5	940.0
080057	21X1.5/6	RE	SW	369.0	23.0	790.0
080058	24X1.5/6	RE	SW	413.0	25.5	850.0
080059	24X2.5/10	RE	SW	696.0	27.6	1150.0
080068	30X1.5/6	RE	SW	499.0	26.5	1020.0
080087	30X2.5/10	RE	SW	840.0	29.5	1600.0
080074	40X1.5/10	RE	SW	696.0	30.0	1280.0
080075	40X2.5/10	RE	SW	1080.0	33.0	1660.0
080089	61X1.5/10	RE	SW	998.0	33.0	2000.0

NAYCWY

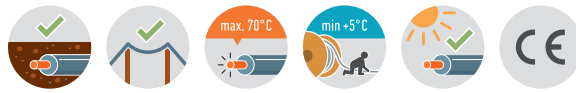


CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-603
Conductor material	aluminium
Insulation	PVC DIV 4
Concentric conductor	Cu
Sheathing material	PVC DMV 5
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C

Application:
For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name	Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km	
090074	04X16/16	RE	SW	182.0	186.0	22.0	950.0
090150	04X25/16	RE	SW	182.0	290.0	26.0	1150.0
090151	04X35/16	RE	SW	182.0	406.0	27.0	1200.0
090152	04X50/25	RE	SW	283.0	580.0	33.0	1600.0
090198	04X50/25	SE	SW	283.0	580.0	31.0	1600.0
090153	04X70/35	SE	SW	394.0	812.0	35.0	2250.0
090154	04X95/50	SE	SW	560.0	1102.0	40.0	2900.0
090155	04X120/70	SE	SW	780.0	1392.0	42.5	3500.0
090156	04X150/70	SE	SW	780.0	1740.0	46.5	4200.0
090157	04X185/95	SE	SW	1055.0	2146.0	53.0	4950.0
090066	04X240/120	SMv	SW	1330.0	2784.0	64.0	5600.0
090199	04X300/150	SMv	SW	1650.0	3480.0	69.0	8080.0

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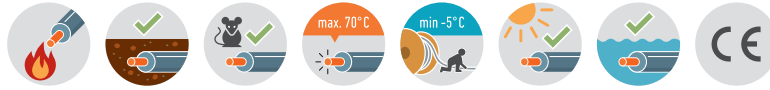
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC DIV 4
Strength member	in outer sheath embedded glass yarns
Sheathing material	polyethylene 2YM1
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-20 - +70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 70 °C
Bending radius, fixed installation	10 x DA
Nominal voltage U_o	600 V
Nominal voltage U	1000 V
Core identification	colours acc. to VDE 0293 (HD308)

Application:

The cable is designed for self-supporting aerial outdoor installation to support distances of up to 50 m. Suitable for supplying thinly populated or hard-to-reach areas, provisional building sites or for bridging difficult terrain. The high-tensile cable sheath can be regarded as a pulling aid so that the cable can also be pulled into pipes over long distances (gas and water pipelines).

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031735	03X1.5	RE	SW	43.0	12.1	160.0
031925	04X1.5	RE	SW	58.0	13.8	180.0
032859	05X1.5	RE	SW	72.0	14.0	230.0
031898	03X2.5	RE	SW	72.0	13.0	195.0
031952	04X2.5	RE	SW	96.0	14.0	240.0
031866	05X2.5	RE	SW	120.0	15.8	240.0
031956	05X4	RE	SW	192.0	17.9	410.0
031938	05X6	RE	SW	288.0	19.7	520.0
032111	04X10	RE	SW	384.0	20.2	630.0
032113	05X10	RE	SW	480.0	22.8	780.0
032112	04X16	RE	SW	614.0	22.8	880.0
034994	05X16	RE	SW	768.0	26.4	1280.0

NYFGY 3.6/6 kV



Standard	VDE 0271
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	PVC YI4
Material inner sheath	PVC
Armour	flat steel wire, galvanized
Sheathing material	PVC YM3
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	3600 V

Application:

As distribution cable for industrial plants and switching boxes. For fixed installation indoors, direct burial in the ground, in water as well as in concrete and for heavy duty mechanical load.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
012108	03X35 SM	RT	1008.0	37.0	2450.0
012109	03X50 SMv	RT	1440.0	39.0	3100.0
012115	03X70 SMv	RT	2016.0	43.0	3700.0
012116	03X95 SMv	RT	2736.0	44.0	4600.0
012117	03X120 SMv	RT	3456.0	47.0	5450.0
012118	03X150 SMv	RT	4320.0	59.0	7300.0
012119	03X185 SMv	RT	5328.0	64.0	7550.0
012213	03X240 SMv	RT	6912.0	61.0	9641.0

BUILDING WIRES

FLEXIBLE WIRES

TELECOMMUNICATION CABLES

CONTROL AND ELECTRONIC CABLES

CABLE WITH CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE CABLES

MISCELLANEOUS PRODUCTS

TECHNICAL APPENDIX

N2XH-J



Fig. similar

CPR-performance acc. to EN 50575	on request
Standard	VDE 0276-604
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	XLPE 2XI1
Sheathing material	FRNC-compound HM4
Flame-retardant	DIN EN 50266-2-4/VDE 0482-266-2-4/IEC 60332-3-24 (cat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C

Application:

Zero-halogen, low-smoke power cable with improved flame-retardance. For fixed installation indoors, in air as well as in concrete, but not for direct burial in the ground or application in water.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011070	03X1.5	RE	SW	43.0	12.0	179.0
011071	03X2.5	RE	SW	72.0	13.0	225.0
011073	03X4	RE	SW	115.0	14.0	291.0
011074	03X6	RE	SW	173.0	15.0	371.0
011075	03X10	RE	SW	288.0	16.0	523.0
011076	03X16	RE	SW	461.0	20.0	773.0
011077	03X25	RM	SW	720.0	22.0	1200.0
011078	03X35	SM	SW	1008.0	25.0	1600.0
011079	03X50	SMv	SW	1440.0	26.0	1800.0
011514	03X25/16	RM	SW	874.0	24.0	1200.0
011515	03X35/16	SM	SW	1162.0	26.0	1640.0
011080	03X50/25	SMv	SW	1680.0	32.0	2200.0
011081	03X70/35	SMv	SW	2352.0	37.0	2950.0
011082	03X95/50	SMv	SW	3216.0	41.0	3900.0
011083	03X120/70	SMv	SW	4128.0	45.0	4800.0
011084	03X150/70	SMv	SW	4992.0	49.0	5750.0
011085	03X185/95	SMv	SW	6240.0	55.0	7200.0
011086	03X240/120	SMv	SW	8064.0	62.0	9150.0
011087	04X1.5	RE	SW	58.0	13.0	208.0
011088	04X2.5	RE	SW	96.0	14.0	265.0
011089	04X4	RE	SW	154.0	15.0	352.0
011090	04X6	RE	SW	230.0	16.0	454.0
011091	04X10	RE	SW	384.0	18.0	647.0
011092	04X16	RE	SW	614.0	20.0	964.0
011093	04X25	RM	SW	960.0	26.0	1446.0
011094	04X35	SM	SW	1344.0	29.0	1906.0
011095	04X50	SMv	SW	1920.0	32.0	2530.0
011096	04X70	SMv	SW	2688.0	37.0	3418.0
011097	04X95	SMv	SW	3648.0	41.0	4574.0
011098	04X120	SMv	SW	4608.0	48.0	5300.0
011099	04X150	SMv	SW	5760.0	50.0	6350.0
011100	04X185	SMv	SW	7104.0	53.0	7800.0
011101	04X240	SMv	SW	9216.0	58.0	10300.0
014441	04X300	SMv	SW	11520.0	57.6	12201.0
011102	05X1.5	RE	SW	72.0	14.0	243.0
011103	05X2.5	RE	SW	120.0	15.0	310.0
011104	05X4	RE	SW	192.0	16.0	413.0
011105	05X6	RE	SW	288.0	17.0	536.0
011106	05X10	RE	SW	480.0	19.0	776.0
011107	05X16	RE	SW	768.0	22.0	1165.0



Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011169	05X25	RM	SW	1200.0	25.0	1766.0
012993	05X35	RM	SW	1680.0	29.0	2155.0
013738	05X50	RMv	SW	2400.0	33.0	2569.0
011108	07X1.5	RE	SW	101.0	14.0	206.0
012199	07X6	RE	SW	403.2	16.0	569.0
011109	10X1.5	RE	SW	144.0	17.0	287.0
011110	12X1.5	RE	SW	173.0	17.0	328.0
011111	14X1.5	RE	SW	202.0	17.0	383.0
011112	19X1.5	RE	SW	274.0	19.0	484.0
011113	24X1.5	RE	SW	346.0	22.0	603.0
011114	30X1.5	RE	SW	432.0	23.0	730.0
011170	40X1.5	RE	SW	576.0	26.0	1200.0
011115	07X2.5	RE	SW	168.0	15.0	287.0
011116	10X2.5	RE	SW	240.0	18.0	472.0
011117	12X2.5	RE	SW	288.0	18.0	472.0
011118	14X2.5	RE	SW	336.0	19.0	670.0
011119	19X2.5	RE	SW	456.0	21.0	840.0
011120	24X2.5	RE	SW	576.0	25.0	1050.0
011121	30X2.5	RE	SW	720.0	26.0	1230.0
011122	07X4	RE	SW	269.0	15.0	530.0
011123	12X4	RE	SW	461.0	21.0	820.0
013986	01X4	RE	SW	38.0	9.0	140.0
013987	01X6	RE	SW	58.0	10.0	160.0
013988	01X10	RE	SW	96.0	11.0	210.0
012570	01X16	RE	SW	154.0	12.0	270.0
013674	01X25	RM	SW	240.0	14.0	380.0
013989	01X35	RMv	SW	336.0	15.0	490.0
013977	01X50	RMv	SW	480.0	16.0	620.0
013978	01X70	RMv	SW	672.0	18.0	830.0
011544	01X95	RMv	SW	912.0	20.0	1200.0
012460	01X120	RMv	SW	1152.0	22.0	1250.0
013883	01X150	RMv	SW	1440.0	24.0	1700.0
012259	01X185	RMv	SW	1776.0	26.0	2200.0
012230	01X240	RMv	SW	2304.0	29.0	2750.0

N2XH-0



CPR-performance acc. to EN 50575	on request
Standard	VDE 0276-604
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	XLPE 2XI1
Sheathing material	FRNC-compound HM4
Flame-retardant	DIN EN 50266-2-4/VDE 0482-266-2-4/IEC 60332-3-24 (cat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C

Application:

Zero-halogen, low-smoke power cable with improved flame-retardance. For fixed installation indoors, in air as well as in concrete, but not for direct burial in the ground or application in water.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
012541	01X1.5	RE	SW	14.4		53.0
012542	01X2.5	RE	SW	24.0		90.0
011049	01X4	RE	SW	38.0	9.0	140.0
011072	01X6	RE	SW	58.0	10.0	160.0
011051	01X10	RE	SW	96.0	11.0	210.0
011052	01X16	RE	SW	154.0	12.0	270.0
011053	01X25	RM	SW	240.0	14.0	380.0
011054	01X35	RM	SW	336.0	15.0	490.0
011055	01X50	RMv	SW	480.0	16.0	620.0
011056	01X70	RMv	SW	672.0	18.0	830.0
011057	01X95	RMv	SW	912.0	20.0	1200.0
011058	01X120	RMv	SW	1152.0	22.0	1250.0
011059	01X150	RMv	SW	1440.0	24.0	1700.0
011060	01X185	RMv	SW	1776.0	26.0	2200.0
011061	01X240	RMv	SW	2304.0	29.0	2750.0
011062	01X300	RMv	SW	2880.0	30.0	3300.0
011864	01X400	RMv	SW	3840.0	32.0	4420.0
011543	01X500	RMv	SW	4800.0	37.0	4866.0
011063	02X1.5	RE	SW	29.0	12.0	180.0
011997	03X1.5	RE	SW	43.0	12.0	179.0
011064	02X2.5	RE	SW	48.0	12.1	210.0
012622	03X2.5	RE	SW	72.0	13.0	225.0
011065	02X4	RE	SW	77.0	13.0	270.0
011066	02X6	RE	SW	115.0	14.0	340.0
011067	02X10	RE	SW	192.0	16.0	450.0
011068	02X16	RE	SW	307.0	18.0	600.0
011069	02X25	RM	SW	480.0	23.0	980.0
012057	04X4	RE	SW	154.0	15.0	352.0
012456	04X6	RE	SW	230.0	16.0	454.0
011382	04X10	RE	SW	384.0	18.0	647.0
011547	04X16	RE	SW	614.0	20.0	964.0
012040	04X25	RM	SW	960.0	26.0	1446.0
012211	04X35	SM	SW	1344.0	29.0	1906.0
012041	04X50	SMv	SW	1920.0	32.0	2530.0
012212	04X70	SMv	SW	2688.0	37.0	3418.0
012036	04X95	SMv	SW	3648.0	41.0	4574.0
011381	04X120	SMv	SW	4608.0	48.0	5300.0
014013	04X150	SMv	SW	5760.0	50.0	6350.0
014133	04X185	SMv	SW	7104.0	53.0	7800.0
014134	04X240	SMv	SW	9216.0	58.0	10300.0

N2XCH



CPR-performance acc. to EN 50575	on request
Standard	VDE 0276-604
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	XLPE 2XI1
Concentric conductor	Cu
Sheathing material	FRNC-compound HM4
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-30 - +70 °C

Application:

Zero-halogen, low-smoke power cable with improved flame-retardance. For fixed installation indoors, in air as well as in concrete, but not for direct burial in the ground or application in water.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011128	02X1.5/1.5 RE	SW	52.0	12.0	250.0
011129	02X2.5/2.5 RE	SW	80.0	12.0	280.0
011508	02X4/4 RE	SW	123.0	14.0	320.0
012528	02X6/6 RE	SW	182.0	15.0	410.0
012529	02X10/10 RE	SW	312.0	17.0	550.0
012530	02X16/16 RE	SW	489.0	19.0	780.0
011130	03X1.5/1.5 RE	SW	66.0	12.0	250.0
011131	03X2.5/2.5 RE	SW	104.0	13.0	320.0
011132	03X4/4 RE	SW	161.0	14.0	400.0
011133	03X6/6 RE	SW	240.0	16.0	500.0
011134	03X10/10 RE	SW	408.0	18.0	750.0
011135	03X16/16 RE	SW	643.0	21.0	1000.0
011136	03X25/16 RM	SW	902.0	24.0	1600.0
011137	03X35/16 SM	SW	1190.0	27.0	1900.0
011138	03X50/25 SMv	SW	1723.0	30.0	2400.0
012063	03X70/35 SMv	SW	2410.0	34.0	2615.0
013018	03X95/50 SMv	SW	3296.0	38.1	3636.0
013019	03X120/70 SMv	SW	4236.0	42.5	4606.0
013020	03X150/70 SMv	SW	5100.0	47.0	5552.0
012064	03X185/95 SMv	SW	6383.0	50.0	6680.0
013021	03X240/120 SMv	SW	8242.0	57.1	8964.0
011139	04X1.5/1.5 RE	SW	81.0	13.0	235.0
011140	04X2.5/2.5 RE	SW	128.0	14.0	302.0
011141	04X4/4 RE	SW	200.0	15.0	411.0
011142	04X6/6 RE	SW	297.0	17.0	527.0
011029	04X10/10 RE	SW	504.0	19.0	762.0
011143	04X16/16 RE	SW	796.0	22.0	1139.0
011144	04X25/16 RM	SW	1142.0	27.0	1634.0
011145	04X35/16 SM	SW	1526.0	29.0	2080.0
011146	04X50/25 SMv	SW	2203.0	33.0	2790.0
011147	04X70/35 SMv	SW	3082.0	41.0	3550.0
011148	04X95/50 SMv	SW	4208.0	46.0	4800.0
011149	04X120/70 SMv	SW	5388.0	50.0	6556.0
011150	04X150/70 SMv	SW	6540.0	55.0	7904.0
011151	04X185/95 SMv	SW	8159.0	62.0	9950.0
011152	04X240/120 SMv	SW	10546.0	68.0	12912.0
012215	05X1.5/1.5 RE	SW	95.0	14.0	283.0
011153	07X1.5/2.5 RE	SW	133.0	16.0	380.0
011154	07X2.5/2.5 RE	SW	200.0	18.0	480.0
011155	07X4/4 RE	SW	315.0	19.0	650.0
011156	07X6/6 RE	SW	470.0	20.0	850.0
011979	10X2.5/4 RE	SW	286.0	18.0	550.0



N2XCH

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km	
011157	12X1.5/2.5	RE	SW	205.0	20.0	550.0
011158	12X2.5/4	RE	SW	334.0	21.0	750.0
013889	12X4/6	RE	SW	528.0	20.5	775.0
012458	14X1.5/2.5	RE	SW	234.0	17.6	486.0
013884	19X2.5/6	RE	SW	523.0	21.7	838.0
011980	21X2.5/10	RE	SW	624.0	23.0	1050.0
011159	24X1.5/6	RE	SW	413.0	25.0	950.0
011973	24X2.5/10	RE	SW	696.0	26.0	1106.0
011160	30X1.5/6	RE	SW	499.0	27.0	1100.0
011858	30X2.5/6	RE	SW	840.0	28.0	1500.0
011161	30X2.5/10	RE	SW	840.0	30.0	1500.0

N2XH-J (B2ca)

Fig.
similar

CPR-performance acc. to EN 50575	B2ca
Standard	VDE 0276-604
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	XLPE 2XI1
Sheathing material	FRNC-compound HM4
Flame-retardant	DIN EN 50266-2-4/VDE 0482-266-2-4/IEC 60332-3-24 (cat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km	
014904	03X1.5	RE	SW	43.0	12.0	179.0
014905	03X2.5	RE	SW	72.0	13.0	225.0
014906	03X4	RE	SW	115.0	14.0	291.0
014907	03X6	RE	SW	173.0	15.0	371.0
014908	03X10	RE	SW	288.0	16.0	523.0
014909	03X16	RE	SW	461.0	20.0	773.0
014910	03X35	SM	SW	1008.0	25.0	1600.0
014911	03X25/16	RM	SW	874.0	24.0	1200.0
014912	03X35/16	SM	SW	1162.0	26.0	1640.0
014913	03X50/25	SMv	SW	1680.0	32.0	2200.0
014914	03X95/50	SMv	SW	3216.0	41.0	3900.0
014915	03X120/70	SMv	SW	4128.0	45.0	4800.0
014916	03X150/70	SMv	SW	4992.0	49.0	5750.0
014917	03X185/95	SMv	SW	6240.0	55.0	7200.0
014918	03X240/120	SMv	SW	8064.0	62.0	9150.0
014919	04X1.5	RE	SW	58.0	13.0	208.0
014920	04X2.5	RE	SW	96.0	14.0	265.0
014921	04X4	RE	SW	154.0	15.0	352.0
014922	04X6	RE	SW	230.0	16.0	454.0
014923	04X10	RE	SW	384.0	18.0	647.0
014924	04X16	RE	SW	614.0	20.0	964.0
014925	04X25	RM	SW	960.0	26.0	1446.0
014926	04X35	SM	SW	1344.0	29.0	1906.0
014927	04X50	SMv	SW	1920.0	32.0	2530.0



»» N2XH-J (B2ca)

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
014928	04X70	SMv	SW	2688.0	37.0	3418.0
014929	04X95	SMv	SW	3648.0	41.0	4574.0
014930	04X120	SMv	SW	4608.0	48.0	5300.0
014931	04X150	SMv	SW	5760.0	50.0	6350.0
014932	04X185	SMv	SW	7104.0	53.0	7800.0
014933	04X240	SMv	SW	9216.0	58.0	10300.0
014934	05X1.5	RE	SW	72.0	14.0	243.0
014935	05X2.5	RE	SW	120.0	15.0	310.0
014936	05X4	RE	SW	192.0	16.0	413.0
014937	05X6	RE	SW	288.0	17.0	536.0
014938	05X10	RE	SW	480.0	19.0	776.0
014939	05X16	RE	SW	768.0	22.0	1165.0
014940	05X25	RM	SW	1200.0	25.0	1766.0
014941	05X35	RM	SW	1680.0	29.0	2155.0
014942	05X50	RMv	SW	2400.0	33.0	2569.0
014943	07X1.5	RE	SW	101.0	14.0	206.0
014944	07X6	RE	SW	403.2	16.0	569.0
014945	10X1.5	RE	SW	144.0	17.0	287.0
014946	12X1.5	RE	SW	173.0	17.0	328.0
014947	14X1.5	RE	SW	202.0	17.0	383.0
014948	19X1.5	RE	SW	274.0	19.0	484.0
014949	24X1.5	RE	SW	346.0	22.0	603.0
014950	30X1.5	RE	SW	432.0	23.0	730.0
014951	40X1.5	RE	SW	576.0	26.0	1200.0
014952	07X2.5	RE	SW	168.0	15.0	287.0
014953	10X2.5	RE	SW	240.0	18.0	472.0
014954	12X2.5	RE	SW	288.0	18.0	472.0
014955	14X2.5	RE	SW	336.0	19.0	670.0
014956	19X2.5	RE	SW	456.0	21.0	840.0
014957	24X2.5	RE	SW	576.0	25.0	1050.0
014958	30X2.5	RE	SW	720.0	26.0	1230.0
014959	07X4	RE	SW	269.0	15.0	530.0
014960	12X4	RE	SW	461.0	21.0	820.0
014961	01X4	RE	SW	38.0	9.0	140.0
014962	01X6	RE	SW	58.0	10.0	160.0
014963	01X10	RE	SW	96.0	11.0	210.0
014964	01X16	RE	SW	154.0	12.0	270.0
014965	01X25	RM	SW	240.0	14.0	380.0
014966	01X35	RM	SW	336.0	15.0	490.0
014967	01X50	RMv	SW	480.0	16.0	620.0
014968	01X70	RMv	SW	672.0	18.0	830.0
014969	01X95	RMv	SW	912.0	20.0	1200.0
014970	01X120	RMv	SW	1152.0	22.0	1250.0
014971	01X150	RMv	SW	1440.0	24.0	1700.0
014972	01X185	RMv	SW	1776.0	26.0	2200.0
014973	01X240	RMv	SW	2304.0	29.0	2750.0

N2XH-0 (B2ca)



CPR-performance acc. to EN 50575	B2ca
Standard	VDE 0276-604
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	XLPE 2XI1
Sheathing material	FRNC-compound HM4
Flame-retardant	DIN EN 50266-2-4/VDE 0482-266-2-4/IEC 60332-3-24 (cat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA

Application:

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

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
014874	01X4	RE	SW	38.0	9.0	140.0
014875	01X6	RE	SW	58.0	10.0	160.0
014876	01X10	RE	SW	96.0	11.0	210.0
014877	01X16	RE	SW	154.0	12.0	270.0
014878	01X25	RM	SW	240.0	14.0	380.0
014879	01X35	RM	SW	336.0	15.0	490.0
014880	01X50	RMv	SW	480.0	16.0	620.0
014881	01X70	RMv	SW	672.0	18.0	830.0
014882	01X95	RMv	SW	912.0	20.0	1200.0
014883	01X120	RMv	SW	1152.0	22.0	1250.0
014884	01X150	RMv	SW	1440.0	24.0	1700.0
014885	01X185	RMv	SW	1776.0	26.0	2200.0
014886	01X240	RMv	SW	2304.0	29.0	2750.0
014887	01X300	RMv	SW	2880.0	30.0	3300.0
014888	01X400	RMv	SW	3840.0	32.0	4420.0
014889	01X500	RMv	SW	4800.0	37.0	4866.0
014890	02X1.5	RE	SW	29.0	12.0	180.0
014891	03X1.5	RE	SW	43.0	12.0	179.0
014892	02X2.5	RE	SW	48.0	12.1	210.0
014893	02X4	RE	SW	77.0	13.0	270.0
014894	02X10	RE	SW	192.0	16.0	450.0
014895	04X4	RE	SW	154.0	15.0	352.0
014896	04X6	RE	SW	230.0	16.0	454.0
014897	04X10	RE	SW	384.0	18.0	647.0
014898	04X16	RE	SW	614.0	20.0	964.0
014899	04X25	RM	SW	960.0	26.0	1446.0
014900	04X35	SM	SW	1344.0	29.0	1906.0
014901	04X50	SMv	SW	1920.0	32.0	2530.0
014902	04X70	SMv	SW	2688.0	37.0	3418.0
014903	04X95	SMv	SW	3648.0	41.0	4574.0

N2XCH (B2ca)

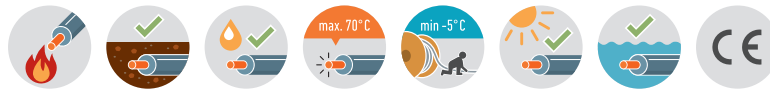
CPR-performance acc. to EN 50575	B2ca
Standard	VDE 0276-604
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	XLPE 2XI1
Concentric conductor	Cu
Sheathing material	FRNC-compound HM4
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-30 - +70 °C

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km	
014974	02X1.5/1.5	RE	SW	52.0	12.0	250.0
014975	02X2.5/2.5	RE	SW	80.0	12.0	280.0
014976	02X4/4	RE	SW	123.0	14.0	320.0
014977	03X1.5/1.5	RE	SW	66.0	12.0	250.0
014978	03X2.5/2.5	RE	SW	104.0	13.0	320.0
014979	03X4/4	RE	SW	161.0	14.0	400.0
014980	03X6/6	RE	SW	240.0	16.0	500.0
014981	03X10/10	RE	SW	408.0	18.0	750.0
014982	03X16/16	RE	SW	643.0	21.0	1000.0
014983	03X25/16	RM	SW	902.0	24.0	1600.0
014984	03X50/25	SMv	SW	1723.0	30.0	2400.0
014985	03X185/95	SMv	SW	6383.0	50.0	6680.0
014986	04X1.5/1.5	RE	SW	81.0	13.0	235.0
014987	04X2.5/2.5	RE	SW	128.0	14.0	302.0
014988	04X4/4	RE	SW	200.0	15.0	411.0
014989	04X6/6	RE	SW	297.0	17.0	527.0
014990	04X10/10	RE	SW	504.0	19.0	762.0
014991	04X16/16	RE	SW	796.0	22.0	1139.0
014992	04X25/16	RM	SW	1142.0	27.0	1634.0
014993	04X35/16	SM	SW	1526.0	29.0	2080.0
014994	04X50/25	SMv	SW	2203.0	33.0	2790.0
014995	04X70/35	SMv	SW	3082.0	41.0	3550.0
014996	04X95/50	SMv	SW	4208.0	46.0	4800.0
014997	04X120/70	SMv	SW	5388.0	50.0	6556.0
014998	04X150/70	SMv	SW	6540.0	55.0	7904.0
014999	04X185/95	SMv	SW	8159.0	62.0	9950.0
015000	04X240/120	SMv	SW	10546.0	68.0	12912.0
015001	07X1.5/2.5	RE	SW	133.0	16.0	380.0
015002	07X2.5/2.5	RE	SW	200.0	18.0	480.0
015003	07X4/4	RE	SW	315.0	19.0	650.0
015004	07X6/6	RE	SW	470.0	20.0	850.0
015005	12X1.5/2.5	RE	SW	205.0	20.0	550.0
015006	12X2.5/4	RE	SW	334.0	21.0	750.0
015007	24X1.5/6	RE	SW	413.0	25.0	950.0

(N)Y Yoek-J



Conductor material	bare copper
Insulation	PVC YI4
Sheathing material	PVC YM3
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Nominal voltage U ₀	600 V
Nominal voltage U	1000 V

Application:

For fixed installation indoors and outdoors, also for direct burial in the the ground. Preferably for power supply and control of oil and fuel pumps, dispensing pumps and similar systems. The resistance to oil and fuel is proofed by BAM-test report VI. 34/10389/96 and tests according to VDE 0472 p. 803, test B. (BAM = Federal Institute for Materials Research and Testing)

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011125	03X1.5	RE	SW	43.0	11.3	190.0
011126	05X1.5	RE	SW	72.0	13.3	270.0
011127	07X1.5	RE	SW	101.0	14.3	300.0

NA2X2Y-J



Standard	VDE 0276-603
Conductor material	aluminium
Insulation	XLPE
Sheathing material	polyethylene
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-20 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U ₀	600 V
Nominal voltage U	1000 V

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
090252	04X16	RE	SW	186.0	19.5	418.0
090253	04X25	RE	SW	290.0	25.5	715.0
090254	04X35	RE	SW	406.0	26.0	775.0
090255	04X50	SE	SW	580.0	27.0	835.0
090256	04X70	SE	SW	812.0	30.5	1125.0



NA2X2Y-J

Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
090257	04X95	SE	SW	1102.0	34.0	1480.0
090258	04X120	SE	SW	1392.0	37.5	1830.0
090259	04X150	SE	SW	1740.0	41.5	2220.0
090260	04X185	SE	SW	2146.0	46.0	2780.0
090121	04X240	SE	SW	2784.0	52.0	3835.0

NA2XY-J



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0276-603
Conductor material	aluminium
Insulation	XLPE DIX3
Sheathing material	PVC DMV6
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	90 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	600 V

Application:
For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
090261	04X16	RE	SW	186.0	19.5	470.0
090262	04X25	RE	SW	290.0	23.0	715.0
090263	04X35	RE	SW	406.0	25.5	835.0
090160	04X50	SE	SW	580.0	27.0	930.0
090264	04X70	SE	SW	812.0	30.5	1245.0
090161	04X95	SE	SW	1102.0	34.0	1620.0
090267	04X120	SE	SW	1392.0	38.0	1990.0
090265	04X150	SE	SW	1740.0	42.0	2450.0
090266	04X185	SE	SW	2146.0	46.0	3000.0
090163	04X240	SE	SW	2784.0	52.0	3860.0
090305	04X300	SMv	SW	3480.0	63.0	4990.0

NAY2Y-J



Standard	VDE 0276-603
Conductor material	aluminium
Insulation	PVC
Sheathing material	polyethylene DMP2
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C
Bending radius, fixed installation	12 x DA
Nominal voltage U ₀	600 V

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
090243	04X35 RE		SW	406.0	28.0	1020.0
090213	04X50 SE		SW	580.0	29.0	1040.0
090244	04X70 SE		SW	812.0	32.0	1330.0
090245	04X95 SE		SW	1102.0	37.0	1785.0
090246	04X120 SE		SW	1392.0	40.0	2140.0
090214	04X150 SE		SW	1740.0	44.0	2635.0
090247	04X185 SE		SW	2146.0	48.5	3210.0
090248	04X240 SE		SW	2784.0	54.5	4085.0

N2XSY 6/10 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	PVC DMV6
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	6000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011292	01X35/16	RM	RT	518.0	24.0	920.0
011288	01X50/16	RMv	RT	662.0	25.0	1100.0
011289	01X70/16	RMv	RT	854.0	27.0	1300.0
011326	01X95/16	RMv	RT	1094.0	28.0	1600.0
011290	01X120/16	RMv	RT	1334.0	30.0	1850.0
011327	01X150/16	RMv	RT	1622.0	31.0	2050.0
011291	01X150/25	RMv	RT	1723.0	31.0	2200.0
011328	01X185/16	RMv	RT	1958.0	33.0	2450.0
011329	01X185/25	RMv	RT	2059.0	33.0	2550.0
011330	01X240/16	RMv	RT	2486.0	35.0	3000.0
011294	01X240/25	RMv	RT	2587.0	35.0	3150.0
011331	01X300/25	RMv	RT	3163.0	37.0	3750.0
011332	01X400/35	RMv	RT	4234.0	41.0	4650.0
011333	01X500/35	RMv	RT	5194.0	44.0	5700.0
011976	01X630/35	RMv	RT	6442.0	49.0	7090.0

BUILDING WIRES

FLEXIBLE WIRES

TELECOMMUNICATION CABLES

CONTROL AND ELECTRONIC CABLES

CABLE WITH CIRCUIT INTEGRITY

LAN CABLES

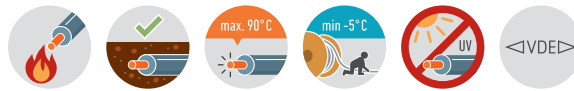
COAXIAL CABLES

OPTICAL FIBRE CABLES

MISCELLANEOUS PRODUCTS

TECHNICAL APPENDIX

N2XSy 12/20 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	PVC DMV6
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	12000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011295	01X35/16 RM		RT	518.0	28.0	1100.0
011296	01X50/16 RMv		RT	662.0	29.0	1250.0
011297	01X70/16 RMv		RT	854.0	31.0	1500.0
011298	01X95/16 RMv		RT	1094.0	32.0	1800.0
011318	01X120/16 RMv		RT	1334.0	34.0	2050.0
011334	01X150/16 RMv		RT	1622.0	35.0	2300.0
011335	01X150/25 RMv		RT	1723.0	35.0	2400.0
011336	01X185/16 RMv		RT	1958.0	37.0	2650.0
011299	01X185/25 RMv		RT	2059.0	37.0	2800.0
011337	01X240/16 RMv		RT	2486.0	40.0	3250.0
011338	01X240/25 RMv		RT	2587.0	40.0	3400.0
011339	01X300/25 RMv		RT	3163.0	42.0	4000.0
011341	01X400/35 RMv		RT	4234.0	45.0	4950.0
011340	01X500/35 RMv		RT	5194.0	49.0	6050.0
012566	01X630/35 RMv		RT	6442.0	53.0	7090.0
012692	01X800/50 RMv		RT	8240.0	60.0	9249.0
011529	01X800/35 RMv		RT	8094.0	60.0	9032.0

N2XSY 18/30 kV



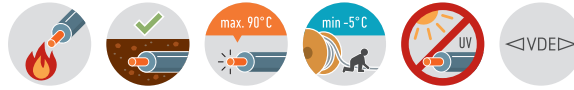
Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	PVC DMV6
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	18000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
013657	01X35/16	RM	RT	518.0	33.0	1350.0
011342	01X50/16	RMv	RT	662.0	34.0	1550.0
011343	01X70/16	RMv	RT	854.0	36.0	1750.0
011344	01X95/16	RMv	RT	1094.0	37.0	2050.0
011345	01X120/16	RMv	RT	1334.0	39.0	2350.0
011346	01X150/25	RMv	RT	1723.0	40.0	2700.0
011347	01X185/25	RMv	RT	2059.0	42.0	3100.0
011348	01X240/25	RMv	RT	2587.0	44.0	3700.0
011349	01X300/25	RMv	RT	3163.0	47.0	4350.0
011350	01X400/35	RMv	RT	4234.0	50.0	5350.0
011351	01X500/35	RMv	RT	5194.0	53.0	6450.0
013061	01X630/35	RMv	RT	6442.0		7833.0
014272	01X800/35	RMv	RT	8074.0	62.0	9500.0

NA2XS Y 6/10 kV



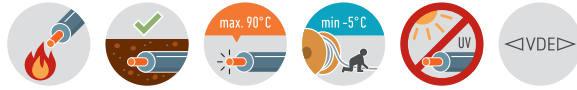
Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	PVC DMV6
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	6000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
011392	01X50/16	RMv	RT	182.0	145.0	25.0	780.0
011393	01X70/16	RMv	RT	182.0	203.0	27.0	870.0
012614	01X70/25	RMv	RT	283.0	203.0	27.0	1395.0
011394	01X95/16	RMv	RT	182.0	276.0	28.0	990.0
011395	01X120/16	RMv	RT	182.0	348.0	30.0	1100.0
012615	01X120/50	RMv	RT	560.0	348.0	30.0	1659.0
011396	01X150/16	RMv	RT	182.0	435.0	31.0	1250.0
011397	01X150/25	RMv	RT	283.0	435.0	31.0	1300.0
011398	01X185/16	RMv	RT	182.0	537.0	33.0	1400.0
011399	01X185/25	RMv	RT	283.0	537.0	33.0	1450.0
011400	01X240/16	RMv	RT	182.0	696.0	35.0	1600.0
011401	01X240/25	RMv	RT	283.0	696.0	35.0	1650.0
011402	01X300/25	RMv	RT	283.0	870.0	37.0	1950.0
011403	01X400/35	RMv	RT	394.0	1160.0	41.0	2350.0
011404	01X500/35	RMv	RT	394.0	1450.0	44.0	2700.0
014005	01X630/35	RMv	RT	394.0	1827.0	44.0	2996.0
012508	01X800/35	RMv	RT	394.0	2320.0		3973.0

NA2XSY 12/20 kV

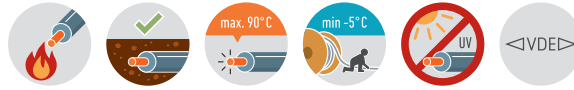


Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	PVC DMV6
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	12000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
011405	01X50/16	RMv	RT	182.0	145.0	29.0	970.0
011406	01X70/16	RMv	RT	182.0	203.0	31.0	1100.0
011407	01X95/16	RMv	RT	182.0	276.0	32.0	1200.0
011408	01X120/16	RMv	RT	182.0	348.0	34.0	1350.0
011409	01X150/16	RMv	RT	182.0	435.0	35.0	1450.0
011410	01X150/25	RMv	RT	283.0	435.0	35.0	1500.0
011411	01X185/16	RMv	RT	182.0	537.0	37.0	1650.0
011412	01X185/25	RMv	RT	283.0	537.0	37.0	1700.0
011413	01X240/16	RMv	RT	182.0	696.0	40.0	1850.0
011414	01X240/25	RMv	RT	283.0	696.0	40.0	1900.0
011415	01X300/25	RMv	RT	283.0	870.0	42.0	2200.0
011416	01X400/35	RMv	RT	394.0	1160.0	45.0	2600.0
011417	01X500/35	RMv	RT	394.0	1450.0	48.0	3000.0
014006	01X630/35	RMv	RT	394.0	1827.0	52.0	3299.0
013532	01X800/35	RMv	RT	394.0	2320.0	57.0	4060.0

NA2XS_Y 18/30 kV

Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	PVC DMV6
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	18000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
011418	01X50/16 RMv		RT	182.0	145.0	34.0	1250.0
011419	01X70/16 RMv		RT	182.0	203.0	36.0	1350.0
012965	01X70/25 RMv		RT	283.0	203.0	37.0	1250.0
011420	01X95/16 RMv		RT	182.0	276.0	37.0	1500.0
011421	01X120/16 RMv		RT	182.0	348.0	39.0	1600.0
011422	01X150/16 RMv		RT	182.0	435.0	40.0	1750.0
011423	01X150/25 RMv		RT	283.0	435.0	40.0	1850.0
011424	01X185/16 RMv		RT	182.0	537.0	42.0	1950.0
011425	01X185/25 RMv		RT	283.0	537.0	42.0	2000.0
011426	01X240/16 RMv		RT	182.0	696.0	44.0	2200.0
011427	01X240/25 RMv		RT	283.0	696.0	44.0	2250.0
011428	01X300/25 RMv		RT	283.0	870.0	47.0	2550.0
011429	01X400/35 RMv		RT	394.0	1160.0	50.0	3000.0
011430	01X500/35 RMv		RT	394.0	1450.0	53.0	3450.0
013137	01X630/35 RMv		RT	394.0	1827.0	57.3	3607.0
014099	01X1000/35 RMv		RT	394.0	2900.0	66.0	5200.0

N2XS2Y 6/10 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Colour outer sheath	black
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	6000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011352	01X35/16	RM	SW	518.0	24.0	900.0
011353	01X50/16	RMv	SW	662.0	25.0	950.0
011354	01X70/16	RMv	SW	854.0	27.0	1200.0
011355	01X95/16	RMv	SW	1094.0	28.0	1450.0
011356	01X120/16	RMv	SW	1334.0	30.0	1700.0
011357	01X150/16	RMv	SW	1622.0	31.0	1950.0
011358	01X150/25	RMv	SW	1723.0	31.0	2050.0
011359	01X185/16	RMv	SW	1958.0	33.0	2350.0
011360	01X185/25	RMv	SW	2059.0	33.0	2400.0
011361	01X240/16	RMv	SW	2486.0	35.0	2900.0
011362	01X240/25	RMv	SW	2587.0	35.0	2950.0
011363	01X300/25	RMv	SW	3163.0	37.0	3550.0
011364	01X400/35	RMv	SW	4234.0	41.0	4500.0
011365	01X500/35	RMv	SW	5194.0	44.0	5500.0

N2XS2Y 12/20 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Colour outer sheath	black
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	12000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011366	01X35/16 RM	SW	518.0	28.0	970.0
011367	01X50/16 RMv	SW	662.0	29.0	1150.0
011368	01X70/16 RMv	SW	854.0	31.0	1350.0
011369	01X95/16 RMv	SW	1094.0	32.0	1650.0
011370	01X120/16 RMv	SW	1334.0	34.0	1900.0
011371	01X150/16 RMv	SW	1622.0	35.0	2150.0
011372	01X150/25 RMv	SW	1723.0	35.0	2250.0
011373	01X185/16 RMv	SW	1958.0	37.0	2550.0
011374	01X185/25 RMv	SW	2059.0	37.0	2600.0
011375	01X240/16 RMv	SW	2486.0	40.0	3100.0
011376	01X240/25 RMv	SW	2587.0	40.0	3200.0
011377	01X300/25 RMv	SW	3163.0	42.0	3800.0
011378	01X400/35 RMv	SW	4234.0	45.0	4750.0
011379	01X500/35 RMv	SW	5194.0	48.0	5800.0
013154	01X630/35 RMv	SW	6442.0	53.0	7090.0

N2XS2Y 18/30 kV



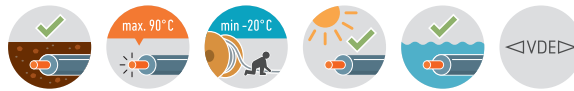
Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Colour outer sheath	black
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	18000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011380	01X50/16 RMv	SW	662.0	34.0	1350.0
011383	01X70/16 RMv	SW	854.0	36.0	1600.0
011384	01X95/16 RMv	SW	1094.0	37.0	1900.0
011385	01X120/16 RMv	SW	1334.0	39.0	2150.0
011386	01X150/25 RMv	SW	1723.0	40.0	2550.0
011387	01X185/25 RMv	SW	2059.0	42.0	2900.0
011388	01X240/25 RMv	SW	2587.0	44.0	3500.0
011777	01X240/70 RMv	SW	3084.0	45.0	4200.0
011389	01X300/25 RMv	SW	3163.0	47.0	4150.0
011390	01X400/35 RMv	SW	4234.0	50.0	5100.0
011391	01X500/35 RMv	SW	5194.0	53.0	6200.0
013037	01X630/35 RMv	SW	6442.0	58.0	7403.0

NA2XS2Y 6/10 kV



Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Colour outer sheath	black
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	6000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
011431	01X50/16	RMv	SW	182.0	145.0	25.0	670.0
011432	01X70/16	RMv	SW	182.0	203.0	27.0	750.0
011433	01X95/16	RMv	SW	182.0	276.0	28.0	860.0
011498	01X120/16	RMv	SW	182.0	348.0	30.0	950.0
011435	01X150/25	RMv	SW	283.0	435.0	31.0	1150.0
011437	01X185/25	RMv	SW	283.0	537.0	33.0	1300.0
011439	01X240/25	RMv	SW	283.0	696.0	35.0	1500.0
011440	01X300/25	RMv	SW	283.0	870.0	37.0	1750.0
011441	01X400/35	RMv	SW	394.0	1160.0	41.0	2150.0
011442	01X500/35	RMv	SW	394.0	1450.0	44.0	2500.0
013026	01X630/35	RMv	SW	394.0	1827.0	48.0	2500.0

NA2XS2Y 12/20 kV



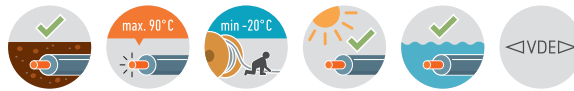
Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Colour outer sheath	black
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	12000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation.

Item number	Item name	Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
012811	01X35/16 RM	SW	182.0	102.0	28.0	725.0
011443	01X50/16 RMv	SW	182.0	145.0	29.0	830.0
011444	01X70/16 RMv	SW	182.0	203.0	31.0	920.0
011324	01X95/16 RMv	SW	182.0	276.0	32.0	1050.0
011323	01X120/16 RMv	SW	182.0	348.0	34.0	1150.0
011325	01X150/25 RMv	SW	283.0	435.0	35.0	1350.0
011321	01X185/25 RMv	SW	283.0	537.0	37.0	1550.0
011448	01X240/25 RMv	SW	283.0	696.0	40.0	1750.0
011450	01X300/25 RMv	SW	283.0	870.0	42.0	2000.0
011451	01X400/35 RMv	SW	394.0	1160.0	45.0	2400.0
011452	01X500/35 RMv	SW	394.0	1450.0	48.0	2800.0
012227	01X630/35 RMv	SW	394.0	1827.0	52.0	3297.0
013152	01X800/35 RMv	SW	394.0	2320.0	58.0	3900.0

NA2XS2Y 18/30 kV



Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Colour outer sheath	black
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	20000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
011453	01X50/16	RMv	SW	182.0	145.0	34.0	1100.0
011454	01X70/16	RMv	SW	182.0	203.0	36.0	1200.0
011455	01X95/16	RMv	SW	182.0	276.0	37.0	1300.0
011456	01X120/16	RMv	SW	182.0	348.0	39.0	1450.0
011457	01X150/25	RMv	SW	283.0	435.0	40.0	1650.0
011458	01X185/25	RMv	SW	283.0	537.0	42.0	1800.0
011459	01X240/25	RMv	SW	283.0	696.0	44.0	2050.0
011460	01X300/25	RMv	SW	283.0	870.0	47.0	2300.0
011461	01X400/35	RMv	SW	394.0	1160.0	50.0	2750.0
011462	01X500/35	RMv	SW	394.0	1450.0	53.0	3150.0
013116	01X630/35	RMv	SW	394.0	1827.0	62.0	3770.0
013091	01X800/35	RMv	SW	394.0	2320.0		4310.0

N2XS(F)2Y 6/10 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration lengthwise following mechanical damage.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
013261	01X35/16 RM	SW	518.0	28.0	820.0
011479	01X50/16 RMv	SW	662.0	25.0	1150.0
011480	01X70/16 RMv	SW	854.0	27.0	1400.0
011481	01X95/16 RMv	SW	1094.0	28.0	1650.0
011482	01X120/16 RMv	SW	1334.0	30.0	1900.0
011483	01X150/25 RMv	SW	1723.0	31.0	2300.0
011484	01X185/25 RMv	SW	2059.0	33.0	2650.0
011485	01X240/25 RMv	SW	2587.0	35.0	3250.0
011486	01X300/25 RMv	SW	3163.0	37.0	3850.0
011487	01X400/35 RMv	SW	4234.0	41.0	4800.0
011488	01X500/35 RMv	SW	5194.0	44.0	5900.0
012224	01X630/35 RMv	SW	6442.0	49.0	7014.0
014387	01X800/35 RMv	SW	8094.0	57.0	8800.0

BUILDING WIRES

FLEXIBLE WIRES

TELECOMMUNICATION CABLES

CONTROL AND ELECTRONIC CABLES

CABLE WITH CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE CABLES

MISCELLANEOUS PRODUCTS

TECHNICAL APPENDIX

N2XS(F)2Y 12/20 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration lengthwise following mechanical damage.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011546	01X35/16	RM	SW	518.0	28.0	1300.0
011489	01X50/16	RMv	SW	662.0	29.0	1350.0
011490	01X70/16	RMv	SW	854.0	31.0	1600.0
011317	01X95/16	RMv	SW	1094.0	32.0	1900.0
011491	01X120/16	RMv	SW	1334.0	34.0	2150.0
011492	01X150/25	RMv	SW	1723.0	35.0	2500.0
011309	01X185/25	RMv	SW	2059.0	37.0	2900.0
011493	01X240/25	RMv	SW	2587.0	40.0	3500.0
011494	01X300/25	RMv	SW	3163.0	42.0	4150.0
011495	01X400/35	RMv	SW	4234.0	45.0	5100.0
011496	01X500/35	RMv	SW	5194.0	48.0	6200.0
012225	01X630/35	RMv	SW	6442.0	52.0	7365.0
013843	01X800/35	RMv	SW	8094.0	57.0	8800.0
014083	01X1000/35	RMv	SW	9994.0	61.0	10900.0

N2XS(F)2Y 18/30 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration lengthwise following mechanical damage.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011516	01X50/16 RMv	SW	662.0	34.0	1650.0
011517	01X70/16 RMv	SW	854.0	36.0	1900.0
011526	01X95/16 RMv	SW	1094.0	37.0	2150.0
011519	01X120/16 RMv	SW	1334.0	39.0	2450.0
011520	01X150/25 RMv	SW	1723.0	40.0	2750.0
011521	01X185/25 RMv	SW	2059.0	42.0	3150.0
011522	01X240/25 RMv	SW	2587.0	44.0	3800.0
011523	01X300/25 RMv	SW	3163.0	47.0	4400.0
011524	01X400/35 RMv	SW	4234.0	50.0	5450.0
011525	01X500/35 RMv	SW	5194.0	53.0	6550.0
012226	01X630/35 RMv	SW	6442.0	58.0	7803.0
013743	01X800/35 RMv	SW	8094.0	62.0	9300.0
014084	01X1000/35 RMv	SW	9994.0	67.0	11400.0

BUILDING WIRES

FLEXIBLE WIRES

TELECOMMUNICATION CABLES

CONTROL AND ELECTRONIC CABLES

CABLE WITH CIRCUIT INTEGRITY

LAN CABLES

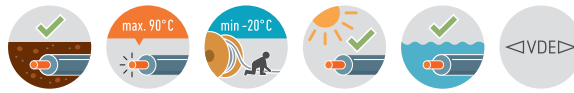
COAXIAL CABLES

OPTICAL FIBRE CABLES

MISCELLANEOUS PRODUCTS

TECHNICAL APPENDIX

NA2XS(F)2Y 6/10 kV



Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration lengthwise following mechanical damage.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
011463	01X50/16	RMv	SW	182.0	145.0	25.0	850.0
011464	01X70/16	RMv	SW	182.0	203.0	27.0	950.0
011465	01X95/16	RMv	SW	182.0	276.0	28.0	1100.0
011466	01X120/16	RMv	SW	182.0	348.0	30.0	1200.0
011467	01X150/25	RMv	SW	283.0	435.0	31.0	1400.0
011468	01X185/25	RMv	SW	283.0	537.0	33.0	1550.0
011469	01X240/25	RMv	SW	283.0	696.0	35.0	1750.0
011470	01X300/25	RMv	SW	283.0	870.0	37.0	2050.0
011471	01X400/35	RMv	SW	394.0	1160.0	40.0	2450.0
011472	01X500/35	RMv	SW	394.0	1450.0	44.0	2850.0
012053	01X630/35	RMv	SW	394.0	1827.0	49.0	2969.0
013230	01X800/35	RMv	SW	394.0	2320.0	52.0	3400.0
013032	01X1000/35	RMv	SW	394.0	2900.0	63.0	4780.0

NA2XS(F)2Y 12/20 kV



Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration lengthwise following mechanical damage.

Item number	Item name	Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
011473	01X50/16 RMv	SW	182.0	145.0	29.0	1050.0
011474	01X70/16 RMv	SW	182.0	203.0	31.0	950.0
011320	01X95/16 RMv	SW	182.0	276.0	32.0	1300.0
011319	01X120/16 RMv	SW	182.0	348.0	34.0	1450.0
011306	01X150/25 RMv	SW	283.0	435.0	36.0	1650.0
011307	01X185/25 RMv	SW	283.0	537.0	37.0	1800.0
011308	01X240/25 RMv	SW	283.0	696.0	40.0	2050.0
011475	01X300/25 RMv	SW	283.0	870.0	42.0	2300.0
011476	01X400/35 RMv	SW	394.0	1160.0	45.0	2800.0
011477	01X500/35 RMv	SW	394.0	1450.0	48.0	3200.0
011838	01X630/35 RMv	SW	394.0	1827.0	52.0	3268.0
012258	01X800/35 RMv	SW	394.0	2320.0	60.0	3973.0
013121	01X1000/35 RMv	SW	394.0	2900.0	62.6	4610.0

NA2XS(F)2Y 18/30 kV



Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration lengthwise following mechanical damage.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
011534	01X50/16	RMv	SW	182.0	145.0	34.0	1350.0
011478	01X70/16	RMv	SW	182.0	203.0	36.0	1450.0
011535	01X95/16	RMv	SW	182.0	276.0	37.0	1600.0
011536	01X120/16	RMv	SW	182.0	348.0	39.0	1750.0
011537	01X150/25	RMv	SW	283.0	435.0	40.0	1950.0
011538	01X185/25	RMv	SW	283.0	537.0	42.0	2150.0
011539	01X240/25	RMv	SW	283.0	696.0	44.0	2400.0
011540	01X300/25	RMv	SW	283.0	870.0	47.0	2700.0
011541	01X400/35	RMv	SW	394.0	1160.0	50.0	3200.0
011542	01X500/35	RMv	SW	394.0	1450.0	53.0	3650.0
012223	01X630/35	RMv	SW	394.0	1827.0	60.0	3738.0
013067	01X800/35	RMv	SW	394.0	2320.0	65.0	4367.0
013568	01X1000/35	RMv	SW	394.0	2900.0	66.0	4800.0

N2XS(FL)2Y 6/10 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
Colour outer sheath	black
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration both crosswise and lengthwise following mechanical damage.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
013784	01X35/16 RM	SW	518.0	28.0	861.0
014065	01X50/16 RMv	SW	662.0	25.0	1150.0
013521	01X70/16 RMv	SW	854.0	32.0	1300.0
012467	01X95/16 RMv	SW	1094.0	29.0	1450.0
012459	01X120/16 RMv	SW	1334.0	31.0	1900.0
012639	01X150/25 RMv	SW	1723.0	32.0	1997.0
012582	01X185/25 RMv	SW	2059.0	34.0	2463.0
011825	01X240/25 RMv	SW	2587.0	36.0	3050.0
012001	01X300/25 RMv	SW	3163.0	38.0	3720.0
014137	01X400/35 RMv	SW	4234.0	42.0	4500.0
012613	01X500/35 RMv	SW	5194.0	45.0	5878.0
012654	01X630/35 RMv	SW	6442.0	48.0	7014.0

N2XS(FL)2Y 12/20 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
Colour outer sheath	black
UV-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration both crosswise and lengthwise following mechanical damage.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
013641	01X35/16 RM	SW	518.0	33.0	1050.0
013117	01X50/16 RMv	SW	662.0	34.0	1170.0
013118	01X70/16 RMv	SW	854.0	36.0	1470.0



N2XS(FL)2Y 12/20 kV

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011786	01X95/16 RMv	SW	1094.0	33.0	1900.0
013119	01X120/16 RMv	SW	1334.0	39.0	2260.0
013033	01X150/25 RMv	SW	1723.0	38.0	2318.0
014210	01X185/25 RMv	SW	2059.0	37.0	3045.0
013030	01X240/25 RMv	SW	2587.0	41.0	3700.0
011750	01X300/25 RMv	SW	3163.0	43.0	3940.0
013561	01X400/35 RMv	SW	4234.0	50.0	4850.0
012228	01X500/35 RMv	SW	5194.0	50.0	5948.0
013974	01X630/35 RMv	SW	6442.0	53.0	7400.0

NA2XS(FL)2Y 6/10 kV



Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration both crosswise and lengthwise following mechanical damage.

Item number	Item name	Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
013643	01X120/16 RMv	SW	182.0	348.0	31.0	1290.0
012462	01X150/25 RMv	SW	283.0	435.0	32.0	1156.0
012461	01X240/25 RMv	SW	283.0	696.0	36.0	1850.0
013155	01X300/25 RMv	SW	283.0	870.0		2466.0
012463	01X400/35 RMv	SW	394.0	1160.0	42.0	2466.0
014243	01X500/35 RMv	SW	394.0	1450.0	44.0	2993.0
014429	01X630/50 RMv	SW	565.0	1827.0	48.0	3200.0
014028	01X800/35 RMv	SW	394.0	2320.0	52.0	3570.0

NA2XS(FL)2Y 12/20 kV



Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration both crosswise and lengthwise following mechanical damage.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
012533	01X70/16	RMv	SW	182.0	203.0	32.0	1000.0
011783	01X120/16	RMv	SW	182.0	348.0	35.0	1250.0
012512	01X150/25	RMv	SW	283.0	435.0	36.0	1650.0
012987	01X185/25	RMv	SW	283.0	537.0	38.0	2000.0
011848	01X240/25	RMv	SW	283.0	696.0	41.0	1850.0
012927	01X300/25	RMv	SW	283.0	870.0	44.0	2550.0
011852	01X400/35	RMv	SW	394.0	1160.0	45.0	2466.0
012762	01X500/35	RMv	SW	394.0	1450.0	50.0	2823.0
014377	01X630/35	RMv	SW	394.0	1827.0	52.0	3431.0
014205	01X800/35	RMv	SW	394.0	2320.0	60.0	4172.0

NA2XS(FL)2Y 18/30 kV



Standard	VDE 0276-620
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	polyethylene DMP2
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
Maximum permitted conductor temperature	90 °C

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration both crosswise and lengthwise following mechanical damage.

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
013171	01X70/16	RMv	SW	182.0	203.0	41.0	1300.0
012509	01X95/16	RMv	SW	182.0	276.0	38.0	1150.0
012657	01X120/16	RMv	SW	182.0	348.0	40.0	1750.0
013172	01X150/25	RMv	SW	283.0	435.0	45.0	1800.0



NA2XS(FL)2Y 18/30 KV

Item number	Item name		Colour	Cop. weight kg/km	Al. weight kg/km	D _A mm	Weight approx. kg/km
013173	01X185/25	RMv	SW	283.0	537.0	43.0	1851.0
012510	01X240/25	RMv	SW	283.0	696.0	45.0	2092.0
012658	01X300/25	RMv	SW	283.0	870.0	48.0	2700.0
012511	01X400/35	RMv	SW	394.0	1160.0	51.0	2466.0
013174	01X500/35	RMv	SW	394.0	1450.0	58.0	3300.0

N2XSEY 6/10 kV



Standard	VDE 0276-620
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	XLPE DIX8
Sheathing material	PVC DMV6
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	6000 V

Application:

For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable allow an easy installation, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011310	03X35/16	RM	RT	1209.0	49.0	3300.0
011311	03X50/16	RM	RT	1671.0	52.0	3900.0
011312	03X70/16	RM	RT	2247.0	55.0	4700.0
011313	03X95/16	RM	RT	2994.0	60.0	5850.0
011314	03X120/16	RM	RT	3714.0	64.0	6800.0
011315	03X150/25	RM	RT	4638.0	67.0	7950.0
011316	03X185/25	RM	RT	5646.0	71.0	9300.0
011497	03X240/25	RM	RT	7272.0	77.0	11550.0
013316	03X300/25	RM	RT	9160.0	80.0	12200.0

NFA2X



Standard	VDE 0274 (Z)
Conductor material	aluminium
Conductor class	class 2 = stranded
Insulation	XLPE
UV-resistant	yes
Permitted outer cable temperature, fixed	-20 - +80 °C
Nominal voltage U₀	600 V
Nominal voltage U	1000 V

Application:

For aboveground distribution grids, primarily for public distribution grids with a highest mains voltage not above 1,2 kV.

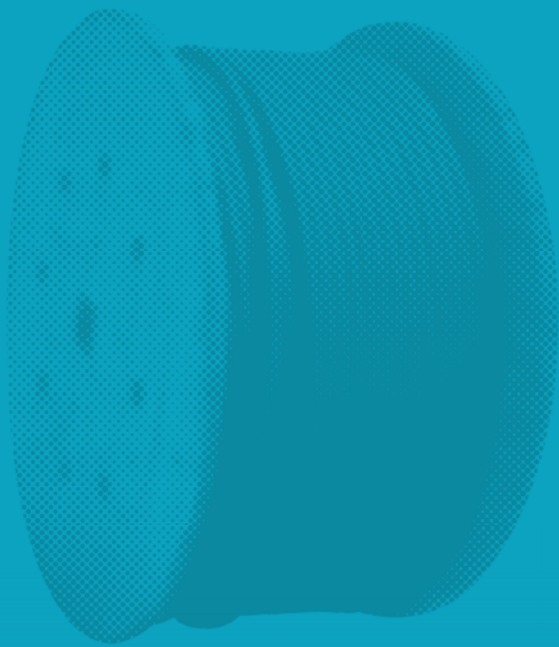
Item number	Item name		Colour	Al. weight kg/km	D _A mm	Weight approx. kg/km
011699	04X25	RM	SW	290.0	22.0	427.0
090072	01X16	RM	SW	46.4	8.0	74.0
090026	01X25	RM	SW	72.0	10.0	105.0
090091	01X35	RM	SW	102.0	11.0	133.0
090092	01X50	RM	SW	145.0	12.5	180.0
090025	01X70	RM	SW	203.0	14.0	258.0
090075	04X16	RM	SW	186.0	18.8	285.0
090023	04X35	RM	SW	406.0	25.0	620.0
090029	04X50	RM	SW	580.0	28.0	785.0
090024	04X70	RM	SW	812.0	32.0	1032.0
090078	04X70 + 1X25	RM	SW	885.0	36.0	1105.0
090105	04X70 + 1X35	RM	SW	914.0	36.2	1150.0
090098	04X70 + 2X25	RM	SW	956.0		1232.0
090080	04X70 + 2X35	RM	SW	1016.0	40.1	1254.0
090030	04X95	RM	SW	1102.0	37.0	1332.0
090108	04X95 + 1X35	RM	SW	1204.0	41.8	1468.0

NOTES





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NYM-J



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0250-204
Conductor material	bare copper
Conductor class	class 1, up from 16 sqmm class 2
Insulation	PVC T11
Sheathing material	PVC TM1
Colour outer sheath	grey RAL 7035
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 70 °C
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

For installation in, on or under plaster, in dry, damp or wet rooms as well as in walls and concrete (except for shaken, jolted, tamped concrete). Also suitable for installation outdoors if protected from sunlight.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
020003	01X2.5 RE	GR	24.0	5.8	70.0
020004	01X4 RE	GR	38.0	6.4	80.0
020005	01X6 RE	GR	58.0	6.8	105.0
020001	01X10 RE	GR	96.0	8.0	155.0
020002	01X16 RM	GR	154.0	9.1	230.0
020150	01X25 RM	GR	240.0	12.3	330.0
020006	03X1.5 RE	GR	43.0	8.2	135.0
020007	03X1.5/TR RE	GR	43.0	8.2	135.0
020302	03X1.5/KTR RE	GR	43.0	8.2	135.0
020009	03X2.5 RE	GR	72.0	9.4	190.0
020166	03X2.5/TR RE	GR	72.0	9.4	190.0
020305	03X2.5/KTR RE	GR	72.0	9.4	190.0
020010	03X4 RE	GR	115.0	10.8	265.0
020044	03X6 RE	GR	173.0	12.2	315.0
020050	03X10 RE	GR	288.0	14.7	465.0
020011	04X1.5 RE	GR	58.0	8.8	160.0
020012	04X1.5/TR RE	GR	58.0	8.8	160.0
020303	04X1.5/KTR RE	GR	58.0	8.8	160.0
020015	04X2.5 RE	GR	96.0	10.2	230.0
020169	04X2.5/TR RE	GR	96.0	10.2	230.0
020018	04X4 RE	GR	154.0	12.1	330.0
020019	04X6 RE	GR	230.0	13.3	460.0
020013	04X10 RE	GR	384.0	16.1	690.0
020014	04X16 RM	GR	614.0	19.0	1090.0
020016	04X25 RM	GR	960.0	23.4	1640.0
020017	04X35 RM	GR	1344.0	25.7	2090.0
020020	05X1.5 RE	GR	72.0	9.5	190.0
020021	05X1.5/TR RE	GR	72.0	9.5	190.0
020304	05X1.5/KTR RE	GR	72.0	9.5	190.0
020024	05X2.5 RE	GR	120.0	11.0	270.0
020170	05X2.5/TR RE	GR	120.0	11.0	270.0
020026	05X4 RE	GR	192.0	13.2	410.0
020027	05X6 RE	GR	288.0	14.5	540.0
020022	05X10 RE	GR	480.0	17.7	850.0
020023	05X16 RM	GR	768.0	21.2	1350.0
020025	05X25 RM	GR	1200.0	25.7	1990.0
020295	05X35 RM	GR	1680.0	33.5	2160.0
020028	07X1.5 RE	GR	101.0	10.5	235.0





Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
020029	07X2.5	RE	GR	168.0	12.6	350.0
020300	08X1.5	RE	GR	115.0	12.5	237.0
020030	10X1.5	RE	GR	144.0	14.3	330.0
020045	12X1.5	RE	GR	173.0	14.4	400.0
020294	12X2.5	RE	GR	288.0	15.4	660.0




CPR-performance acc. to EN 50575	Eca
Standard	VDE 0250-204
Conductor material	bare copper
Conductor class	class 1, up from 16 sqmm class 2
Insulation	PVC T11
Sheathing material	PVC TM1
Colour outer sheath	grey RAL 7035
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 70 °C
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

For installation in, on or under plaster, in dry, damp or wet rooms as well as in walls and concrete (except for shaken, jolted, tamped concrete). Also suitable for installation outdoors if protected from sunlight.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
020031	01X1.5	RE	GR	14.4	5.2	45.0
020043	01X2.5	RE	GR	24.0	5.8	70.0
020178	01X4	RE	GR	38.0	6.4	80.0
020177	01X6	RE	GR	58.0	6.8	105.0
020032	01X10	RE	GR	96.0	8.0	155.0
020033	01X16	RM	GR	154.0	9.1	230.0
020034	02X1.5	RE	GR	29.0	7.8	115.0
020167	02X1.5/TR	RE	GR	29.0	7.8	115.0
020035	02X2.5	RE	GR	48.0	8.9	157.0
020168	02X2.5/TR	RE	GR	48.0	8.9	157.0
020036	03X1.5	RE	GR	43.0	8.2	135.0
020174	03X1.5/TR	RE	GR	43.0	8.2	135.0
020037	04X1.5	RE	GR	58.0	8.8	160.0
020175	04X1.5/TR	RE	GR	58.0	8.8	160.0
020046	04X6	RE	GR	230.0	13.3	460.0
020038	04X10	RE	GR	384.0	16.1	690.0
020039	04X16	RM	GR	614.0	19.0	1090.0
020040	04X25	RM	GR	960.0	23.4	1640.0
020041	04X35	RM	GR	1344.0	25.7	2090.0
020042	07X1.5	RE	GR	101.0	10.5	235.0
020326	12X1.5	RE	GR	173.0	14.4	400.0

(N)YM(St)-J



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Insulation	PVC T11
Screen	foil
Drain wire	yes
Sheathing material	PVC TM1
Colour outer sheath	grey RAL 7035
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 70 °C
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

This installation cable is statically shielded for limiting the electromagnetic fields of current-carrying conductors in sensitive environments such as IT, hospitals, but also for installation in homes where a particular sensitivity to electromagnetic fields is provided. For installation on, over, in and under plaster in dry, humid and wet rooms as well as in masonry and concrete (except for shaken, jolted, tamped concrete). Also for use outdoors if protected from direct sunlight.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
020308	03X1.5 RE	GR	51.0	9.0	154.0
020309	04X1.5 RE	GR	65.0	11.0	184.0
020310	05X1.5 RE	GR	80.0	11.5	208.0
020311	07X1.5 RE	GR	108.0	11.9	248.0
020312	03X2.5 RE	GR	80.0	11.0	203.0
020313	04X2.5 RE	GR	104.0	11.5	256.0
020314	05X2.5 RE	GR	128.0	12.0	284.0
020315	03X4 RE	GR	123.0	11.5	290.0
020316	05X4 RE	GR	200.0	13.5	444.0
020317	03X6 RE	GR	180.0	15.0	379.0
020318	05X6 RE	GR	296.0	15.5	567.0
020319	05X10 RE	GR	488.0	18.0	863.0
020320	05X16 RM	GR	776.0	26.0	1347.0

NYIF-J



CPR-performance acc. to EN 50575	Fca
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 60332-1-2
Permitted outer cable temperature, fixed	70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 60 °C
Nominal voltage U ₀	230 V
Nominal voltage U	400 V
Core identification	colours acc. to VDE 0293 (HD308)
VDE	yes

Application:

For fixed installation in dry rooms, on and under plaster. Without plaster sheet in cavities of ceilings and walls of not combustible building materials.

Item number	Item name	Colour	Cop. weight kg/km	W x H approx. mm	Weight approx. kg/km	
020289	03X1.5	RE	NT	43.0	19.0 x 4.4	115.0
020292	04X1.5	RE	NT	58.0	26.0 x 4.4	160.0
020288	05X1.5	RE	NT	72.0	33.0 x 4.4	205.0
020291	03X2.5	RE	NT	72.0	21.5 x 5.2	160.0
020290	05X2.5	RE	NT	120.0	37.0 x 5.2	260.0

NHXMH-J



CPR-performance acc. to EN 50575	on request
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 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 70 °C
Nominal voltage U ₀	300 V
Nominal voltage U	500 V

Application:

Low-smoke, zero-halogen, flame-retardant building wire, for installation on and under plaster in dry and wet rooms, as well as in concrete (except for shaken, jolted, tamped concrete). For indoor use only, primarily in buildings with a high concentration of people and material assets.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km	
020278	01X1.5	RE	GR	15.0	5.2	75.0
020279	01X2.5	RE	GR	24.0	5.6	85.0
020232	01X4	RE	GR	39.0	7.0	135.0
020280	01X6	RE	GR	58.0	7.4	150.0



NHXMH-J

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
020281	01X10	RE	GR	96.0	7.8	200.0
020233	01X16	RM	GR	154.0	9.6	295.0
020282	01X25	RM	GR	240.0	12.0	350.0
020185	03X1.5	RE	GR	43.0	8.6	130.0
020188	03X2.5	RE	GR	72.0	9.5	165.0
020206	03X4	RE	GR	115.0	10.7	235.0
020207	03X6	RE	GR	173.0	12.3	320.0
020208	03X10	RE	GR	288.0	14.8	480.0
020192	04X1.5	RE	GR	58.0	9.2	150.0
020209	04X2.5	RE	GR	96.0	10.2	200.0
020187	04X4	RE	GR	154.0	12.2	300.0
020189	04X6	RE	GR	230.0	13.2	395.0
020210	04X10	RE	GR	384.0	15.8	595.0
020190	04X16	RM	GR	614.0	20.0	935.0
020191	04X25	RM	GR	960.0	24.5	1420.0
020211	04X35	RM	GR	1344.0	27.5	1910.0
020214	05X1.5	RE	GR	72.0	9.8	175.0
020195	05X2.5	RE	GR	120.0	10.7	235.0
020179	05X4	RE	GR	192.0	13.2	350.0
020196	05X6	RE	GR	288.0	14.8	480.0
020212	05X10	RE	GR	480.0	17.4	710.0
020194	05X16	RM	GR	768.0	22.0	1140.0
020277	05X25	RM	GR	1200.0	28.0	1900.0
020197	07X1.5	RE	GR	101.0	10.2	210.0
020213	07X2.5	RE	GR	168.0	12.2	300.0
020229	10X1.5	RE	GR	144.0	14.5	280.0
020230	12X1.5	RE	GR	173.0	16.5	320.0
020231	24X1.5	RE	GR	346.0	20.0	570.0
020296	24X2.5	RE	GR	576.0	23.0	787.0

(N)HXMH(St)-J



CPR-performance acc. to EN 50575	on request
Conductor material	bare copper
Insulation	XLPE 2XI1
Screen	foil
Drain wire	yes
Sheathing material	FRNC-compound HM2
Colour outer sheath	grey RAL 7035
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Nominal voltage U_o	300 V
Nominal voltage U	500 V

Application:

Low-smoke, zero-halogen, flame-retardant building wire, for installation on and under plaster in dry and wet rooms, as well as in concrete (except for shaken, jolted, tamped concrete). For indoor use only, primarily in buildings with a high concentration of people and material assets. The cable is screened to limit propagation of electromagnetic field of the conductors. It is designed for application in EMC-sensitive environments as hospitals, data processing facilities, laboratories but also in living rooms.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
020283	03X1.5/1.5	RE	GR	48.0	9.5	168.0
020284	03X2.5/1.5	RE	GR	77.0	9.8	209.0
020285	04X1.5/1.5	RE	GR	63.0	9.6	192.0
020286	05X1.5/1.5	RE	GR	77.0	10.3	220.0
020287	05X2.5/1.5	RE	GR	125.0	11.3	282.0
020306	07X1.5/1.5	RE	GR	107.0	12.1	310.0



FLEXIBLE WIRES

SINGLE CORES	70	PUR-INSULATED CABLES	98
H05V-U	70	H05BQ-F	98
H05V-K	71	H07BQ-F (without filler)	98
H07V-U	72	X07BQ-F (without filler)	99
H07V-R	73	X07BQ-F (with filler)	100
H07V-K	74		
H05Z-K	76	SILICONE INSULATED WIRES	101
H07Z-K	77	SiD	101
NSHXAFOE 1.8/3 kV	78	SiF	102
		H05SJ-K	103
INSULATED CORDS	79	SiF/GL	104
H03VV-F	79	FZLSi	105
H05VV-F	79	2GTL 13.8/15 kV	105
H05Z1Z1-F	80	SiHF-J	106
		SiHF-O	107
SPEAKER CABLES	82	SiHFC-Si-J/-O	108
YFAZ	82	SiHF/GLS-P	109
		H05SS-F	110
RUBBER INSULATED CABLES	83	H05SS-F (UL)	111
H05RN-F	83		
H05RR-F	83	SPECIAL CABLES	112
H07RN-F	84	Livz6YYw	112
H07ZZ-F	86	Li2GYw (SiHYw PV/P)	112
H01N2-D - Cable with normal flexibility	87	NYL	113
H1Z2Z2-K	87	FABER® THERM 145 (Single core)	113
NSSH0EU-J	88	FABER® THERM 145	114
NSSH0EU-O	89		
NSSH0EU /3E	90	TRAILING CABLES	115
NSHT0EU	91	(N)TMCGCWOEU 12/20 kV	115
Submersible pump cable (-J)	92	(N)TSCGEWOEU MT PLUS 12/20 kV	115
H05RNH2-F	93		
GGSG	93		
NGFLGOEU	94		
NGFLCGOEU	95		
A05RN-F	95		
FABER® Jalousie FRNC	96		
NSGAFOEU 1.8/3 kV	96		

POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

FLEXIBLE
WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
ELECTRONIC CABLES

CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLES

MISCELLANEOUS
PRODUCTS

TECHNICAL
APPENDIX

H05V-U



CPR-performance acc. to EN 50575	on request
Standard	EN 50525-2-31
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC T11
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Bending radius, fixed installation	4 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V
HAR	yes

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040020	01X0.75	SW	7.2	2.1	10.0
040748	01X0.75	HB	7.2	2.1	10.0
040021	01X0.75	WS	7.2	2.1	10.0
040017	01X0.75	GG	7.2	2.1	10.0
040016	01X0.75	BR	7.2	2.1	10.0
040018	01X0.75	GR	7.2	2.1	10.0
040019	01X0.75	RT	7.2	2.1	10.0
040027	01X1	SW	9.6	2.3	14.0
040024	01X1	GG	9.6	2.3	14.0
040022	01X1	BL	9.6	2.3	14.0
040750	01X1	HB	9.6	2.3	14.0
040025	01X1	GR	9.6	2.3	14.0
040026	01X1	RT	9.6	2.3	14.0
040028	01X1	WS	9.6	2.3	14.0
040023	01X1	BR	9.6	2.3	14.0
040258	01X1	VL	9.6	2.3	14.0

H05V-K



CPR-performance acc. to EN 50575	on request
Standard	EN 50525-2-31
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC TI1
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	70 °C
Bending radius, fixed installation	4 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V
HAR	yes

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040221	01X0.5	SW	4.8	2.2	10.0
040985	01X0.5 (barrel pack)	SW	4.8	2.2	10.0
040253	01X0.5	WS	4.8	2.2	10.0
040240	01X0.5	VL	4.8	2.2	10.0
040217	01X0.5	GG	4.8	2.2	10.0
040216	01X0.5	RT	4.8	2.2	10.0
040984	01X0.5 (barrel pack)	RT	4.8	2.2	10.0
040218	01X0.5	BR	4.8	2.2	10.0
040986	01X0.5 (barrel pack)	BR	4.8	2.2	10.0
040219	01X0.5	HB	4.8	2.2	10.0
040241	01X0.5	GR	4.8	2.2	10.0
040220	01X0.5	DB	4.8	2.2	10.0
040987	01X0.5 (barrel pack)	DB	4.8	2.2	10.0
040254	01X0.5	OR	4.8	2.2	10.0
040006	01X0.75	SW	7.2	2.3	12.0
040978	01X0.75 (barrel pack)	SW	7.2	2.3	12.0
040222	01X0.75	HB	7.2	2.3	12.0
040988	01X0.75 (barrel pack)	HB	7.2	2.3	12.0
040003	01X0.75	GG	7.2	2.3	12.0
040989	01X0.75 (barrel pack)	GG	7.2	2.3	12.0
040990	01X0.75 (barrel pack)	WS	7.2	2.3	12.0
040004	01X0.75	GR	7.2	2.3	12.0
040005	01X0.75	RT	7.2	2.3	12.0
040991	01X0.75 (barrel pack)	RT	7.2	2.3	12.0
040002	01X0.75	BR	7.2	2.3	12.0
040992	01X0.75 (barrel pack)	BR	7.2	2.3	12.0
040191	01X0.75	VL	7.2	2.3	12.0
040993	01X0.75 (barrel pack)	VL	7.2	2.3	12.0
040994	01X0.75 (barrel pack)	OR	7.2	2.3	12.0
040223	01X0.75	DB	7.2	2.3	12.0
040995	01X0.75 (barrel pack)	DB	7.2	2.3	12.0
040013	01X1	SW	9.6	2.4	14.0
040979	01X1 (barrel pack)	SW	9.6	2.4	14.0
040010	01X1	GG	9.6	2.4	14.0
040996	01X1 (barrel pack)	GG	9.6	2.4	14.0
040014	01X1	WS	9.6	2.4	14.0
040997	01X1 (barrel pack)	WS	9.6	2.4	14.0
040011	01X1	GR	9.6	2.4	14.0
040998	01X1 (barrel pack)	GR	9.6	2.4	14.0
040012	01X1	RT	9.6	2.4	14.0
040999	01X1 (barrel pack)	RT	9.6	2.4	14.0
040224	01X1	HB	9.6	2.4	14.0



▶▶▶ H05V-K

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
041000	01X1 (barrel pack)	HB	9.6	2.4	14.0
040009	01X1	BR	9.6	2.4	14.0
041022	01X1 (barrel pack)	BR	9.6	2.4	14.0
040188	01X1	VL	9.6	2.4	14.0
041001	01X1 (barrel pack)	VL	9.6	2.4	14.0
040193	01X1	OR	9.6	2.4	14.0
041002	01X1 (barrel pack)	OR	9.6	2.4	14.0
040225	01X1	DB	9.6	2.4	14.0
041003	01X1 (barrel pack)	DB	9.6	2.4	14.0

H07V-U



CPR-performance acc. to EN 50575	Eca
Standard	EN 50525-2-31
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC Tl1
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 70 °C
Bending radius, fixed installation	4 x DA
Nominal voltage U₀	450 V
Nominal voltage U	750 V
HAR	yes

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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040100	01X1.5	SW	14.4	2.7	20.0
040096	01X1.5	GG	14.4	2.7	20.0
040236	01X1.5	HB	14.4	2.7	20.0
040095	01X1.5	BR	14.4	2.7	20.0
040098	01X1.5	GR	14.4	2.7	20.0
040101	01X1.5	VL	14.4	2.7	20.0
040099	01X1.5	RT	14.4	2.7	20.0
040102	01X1.5	WS	14.4	2.7	20.0
040214	01X1.5	DB	14.4	2.7	20.0
040118	01X2.5	SW	24.0	3.3	31.0
040114	01X2.5	GG	24.0	3.3	31.0
040237	01X2.5	HB	24.0	3.3	31.0
040112	01X2.5	BR	24.0	3.3	31.0
040116	01X2.5	GR	24.0	3.3	31.0
040119	01X2.5	VL	24.0	3.3	31.0
040117	01X2.5	RT	24.0	3.3	31.0
040215	01X2.5	DB	24.0	3.3	31.0
040124	01X4	SW	38.0	3.8	46.0
040122	01X4	GG	38.0	3.8	46.0
040761	01X4	HB	38.0	3.8	46.0
040181	01X4	BR	38.0	3.8	46.0
040123	01X4	GR	38.0	3.8	46.0
040128	01X6	SW	58.0	4.3	65.0
040126	01X6	GG	58.0	4.3	65.0



H07V-U

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040763	01X6	HB	58.0	4.3	65.0
040125	01X6	BR	58.0	4.3	65.0
040107	01X10	SW	96.0	5.5	110.0
040105	01X10	GG	96.0	5.5	110.0
040765	01X10	HB	96.0	5.5	110.0

H07V-R



CPR-performance acc. to EN 50575	Eca
Standard	EN 50525-2-31
Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	PVC T11
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 70 °C
Bending radius, fixed installation	6 x DA
Nominal voltage U ₀	450 V
Nominal voltage U	750 V
HAR	yes

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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040082	01X16	SW	154.0	6.8	175.0
040081	01X16	GG	154.0	6.8	175.0
040085	01X25	SW	240.0	8.5	275.0
040084	01X25	GG	240.0	8.5	275.0
040087	01X35	SW	336.0	9.5	370.0
040086	01X35	GG	336.0	9.5	370.0
040089	01X50	SW	480.0	11.2	500.0
040088	01X50	GG	480.0	11.2	500.0
040091	01X70	SW	672.0	12.7	710.0
040090	01X70	GG	672.0	12.7	710.0
040093	01X95	SW	912.0	14.8	970.0
040092	01X95	GG	912.0	14.8	970.0
040078	01X120	SW	1152.0	16.3	1200.0
040077	01X120	GG	1152.0	16.3	1200.0
040079	01X150	GG	1440.0	18.2	1470.0
040965	01X185	SW	1776.0	20.3	1806.0

H07V-K



CPR-performance acc. to EN 50575	Eca
Standard	EN 50525-2-31
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC T11
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 70 °C
Bending radius, fixed installation	4 x DA
Nominal voltage U_o	450 V
Nominal voltage U	750 V
HAR	yes

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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040035	01X1.5	SW	14.4	2.8	20.0
040980	01X1.5 (barrel pack)	SW	14.4	2.8	20.0
040031	01X1.5	GG	14.4	2.8	20.0
041004	01X1.5 (barrel pack)	GG	14.4	2.8	20.0
040226	01X1.5	HB	14.4	2.8	20.0
041005	01X1.5 (barrel pack)	HB	14.4	2.8	20.0
040030	01X1.5	BR	14.4	2.8	20.0
041006	01X1.5 (barrel pack)	BR	14.4	2.8	20.0
040033	01X1.5	GR	14.4	2.8	20.0
041007	01X1.5 (barrel pack)	GR	14.4	2.8	20.0
040036	01X1.5	VL	14.4	2.8	20.0
040034	01X1.5	RT	14.4	2.8	20.0
041008	01X1.5 (barrel pack)	RT	14.4	2.8	20.0
040037	01X1.5	WS	14.4	2.8	20.0
041009	01X1.5 (barrel pack)	WS	14.4	2.8	20.0
040195	01X1.5	OR	14.4	2.8	20.0
041010	01X1.5 (barrel pack)	OR	14.4	2.8	20.0
040212	01X1.5	DB	14.4	2.8	20.0
041011	01X1.5 (barrel pack)	DB	14.4	2.8	20.0
040058	01X2.5	SW	24.0	3.4	32.0
040981	01X2.5 (barrel pack)	SW	24.0	3.4	32.0
040054	01X2.5	GG	24.0	3.4	32.0
041012	01X2.5 (barrel pack)	GG	24.0	3.4	32.0
040227	01X2.5	HB	24.0	3.4	32.0
041013	01X2.5 (barrel pack)	HB	24.0	3.4	32.0
040052	01X2.5	BR	24.0	3.4	32.0
041014	01X2.5 (barrel pack)	BR	24.0	3.4	32.0
040056	01X2.5	GR	24.0	3.4	32.0
040196	01X2.5	VL	24.0	3.4	32.0
040057	01X2.5	RT	24.0	3.4	32.0
041015	01X2.5 (barrel pack)	RT	24.0	3.4	32.0
040059	01X2.5	WS	24.0	3.4	32.0
040213	01X2.5	DB	24.0	3.4	32.0
040067	01X4	SW	38.0	3.9	46.0
040982	01X4 (barrel pack)	SW	38.0	3.9	46.0
040066	01X4	GG	38.0	3.9	46.0
041016	01X4 (barrel pack)	GG	38.0	3.9	46.0
040228	01X4	HB	38.0	3.9	46.0
041017	01X4 (barrel pack)	HB	38.0	3.9	46.0
040065	01X4	BR	38.0	3.9	46.0
041018	01X4 (barrel pack)	BR	38.0	3.9	46.0



Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040197	01X4	RT	38.0	3.9	46.0
040251	01X4	GR	38.0	3.9	46.0
040229	01X4	DB	38.0	3.9	46.0
040074	01X6	SW	58.0	4.5	65.0
040983	01X6 (barrel pack)	SW	58.0	4.5	65.0
040073	01X6	GG	58.0	4.5	65.0
041019	01X6 (barrel pack)	GG	58.0	4.5	65.0
040230	01X6	HB	58.0	4.5	65.0
041020	01X6 (barrel pack)	HB	58.0	4.5	65.0
040071	01X6	BR	58.0	4.5	65.0
041021	01X6 (barrel pack)	BR	58.0	4.5	65.0
040198	01X6	RT	58.0	4.5	65.0
040252	01X6	GR	58.0	4.5	65.0
040231	01X6	DB	58.0	4.5	65.0
040042	01X10	SW	96.0	5.8	115.0
040040	01X10	GG	96.0	5.8	115.0
040232	01X10	HB	96.0	5.8	115.0
040039	01X10	BR	96.0	5.8	115.0
040041	01X10	RT	96.0	5.8	115.0
040233	01X10	DB	96.0	5.8	115.0
040049	01X16	SW	154.0	7.0	170.0
040047	01X16	GG	154.0	7.0	170.0
040234	01X16	HB	154.0	7.0	170.0
040235	01X16	DB	154.0	7.0	170.0
040046	01X16	BR	154.0	7.0	170.0
040048	01X16	RT	154.0	7.0	170.0
040349	01X16	GR	154.0	7.0	170.0
040061	01X25	SW	240.0	8.5	260.0
040060	01X25	GG	240.0	8.5	260.0
040752	01X25	HB	240.0	8.5	260.0
040383	01X25	BR	240.0	8.5	260.0
040063	01X35	SW	336.0	9.8	360.0
040062	01X35	GG	336.0	9.8	360.0
040754	01X35	HB	336.0	9.8	360.0
040696	01X35	WS	336.0	9.8	360.0
040069	01X50	SW	480.0	11.6	515.0
040068	01X50	GG	480.0	11.6	515.0
040075	01X70	SW	672.0	13.3	710.0
040176	01X70	GG	672.0	13.3	710.0
040076	01X95	SW	912.0	15.3	940.0
040185	01X95	GG	912.0	15.3	940.0
040043	01X120	SW	1152.0	16.9	1180.0
040186	01X120	GG	1152.0	16.9	1180.0
040044	01X150	SW	1440.0	18.8	1600.0
040700	01X150	GG	1440.0	18.8	1600.0
040050	01X185	SW	1776.0	21.0	2100.0
040351	01X185	GG	1776.0	21.0	2100.0
040238	01X240	SW	2304.0	24.0	3015.0
040342	01X240	GG	2304.0	24.0	3015.0

H05Z-K



CPR-performance acc. to EN 50575	Eca
Standard	EN 50525-3-41
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	polyolefin EI5, halogen-free, cross-linked
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

For installation in pipes and ducts on and under plaster, in closed installation ducts and for the internal wiring of electrical appliances, switching and distribution tools. Primarily in buildings with a high concentration of people and material assets as well as in buses and rail-borne vehicles.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040287	01X0.5	SW	4.8	1.9	9.0
040288	01X0.5	GG	4.8	1.9	9.0
040433	01X0.5	GR	4.8	1.9	9.0
040290	01X0.5	HB	4.8	1.9	9.0
040289	01X0.5	BR	4.8	1.9	9.0
040321	01X0.5	DB	4.8	1.9	9.0
040320	01X0.5	RT	4.8	1.9	9.0
040291	01X0.75	SW	7.2	2.2	13.0
040292	01X0.75	GG	7.2	2.2	13.0
040294	01X0.75	HB	7.2	2.2	13.0
040293	01X0.75	BR	7.2	2.2	13.0
040323	01X0.75	DB	7.2	2.2	13.0
040322	01X0.75	RT	7.2	2.2	13.0
040295	01X1	SW	9.6	2.5	15.0
040296	01X1	GG	9.6	2.5	15.0
040434	01X1	GR	9.6	2.5	15.0
040298	01X1	HB	9.6	2.5	15.0
040297	01X1	BR	9.6	2.5	15.0
040325	01X1	DB	9.6	2.5	15.0
040324	01X1	RT	9.6	2.5	15.0

H07Z-K



CPR-performance acc. to EN 50575	Eca
Standard	EN 50525-3-41
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	polyolefin EI5, halogen-free, cross-linked
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	70 °C
Nominal voltage U₀	450 V
Nominal voltage U	750 V

Application:

For installation in pipes and ducts on and under plaster, in closed installation ducts and for the internal wiring of electrical appliances, switching and distribution tools. Primarily in buildings with a high concentration of people and material assets as well as in buses and rail-borne vehicles.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040264	01X1.5	SW	14.4	3.1	21.0
040265	01X1.5	GG	14.4	3.1	21.0
040267	01X1.5	HB	14.4	3.1	21.0
040266	01X1.5	BR	14.4	3.1	21.0
040327	01X1.5	DB	14.4	3.1	21.0
040326	01X1.5	RT	14.4	3.1	21.0
040268	01X2.5	SW	24.0	3.8	34.0
040269	01X2.5	GG	24.0	3.8	34.0
040271	01X2.5	HB	24.0	3.8	34.0
040270	01X2.5	BR	24.0	3.8	34.0
040328	01X2.5	RT	24.0	3.8	34.0
040272	01X4	SW	38.0	4.4	47.0
040274	01X4	GG	38.0	4.4	47.0
040276	01X4	HB	38.0	4.4	47.0
040275	01X4	BR	38.0	4.4	47.0
040331	01X4	DB	38.0	4.4	47.0
040330	01X4	RT	38.0	4.4	47.0
040277	01X6	SW	58.0	5.4	72.0
040278	01X6	GG	58.0	5.4	72.0
040280	01X6	HB	58.0	5.4	72.0
040279	01X6	BR	58.0	5.4	72.0
040333	01X6	DB	58.0	5.4	72.0
040332	01X6	RT	58.0	5.4	72.0
040281	01X10	SW	96.0	6.5	120.0
040282	01X10	GG	96.0	6.5	120.0
040335	01X10	DB	96.0	6.5	120.0
040283	01X16	SW	154.0	7.3	170.0
040284	01X16	GG	154.0	7.3	170.0
040337	01X16	DB	154.0	7.3	170.0
040336	01X16	RT	154.0	7.3	170.0
040285	01X25	SW	240.0	9.5	260.0
040286	01X25	GG	240.0	9.5	260.0
040338	01X25	RT	240.0	9.5	260.0
040301	01X35	SW	336.0	10.9	360.0
040311	01X35	GG	336.0	10.9	360.0
040302	01X50	SW	480.0	11.7	515.0
040312	01X50	GG	480.0	11.7	515.0
040303	01X70	SW	672.0	13.5	710.0
040313	01X70	GG	672.0	13.5	710.0
040304	01X95	SW	912.0	15.5	940.0
040314	01X95	GG	912.0	15.5	940.0



H07Z-K

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040305	01X120	SW	1152.0	17.0	1180.0
040315	01X120	GG	1152.0	17.0	1180.0
040306	01X150	SW	1440.0	19.0	1600.0
040316	01X150	GG	1440.0	19.0	1600.0
040308	01X185	SW	1776.0	21.0	2100.0

NSHXAFOE 1.8/3 kV



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0250 T. 606
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) 3GI3, halogen-free
Sheathing material	FRNC compound HM3
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +70 °C

Application:

This insulated wire is designed for application in buses and rail-borne vehicles. If used in distribution or switching appliances up to 1000 V, it is considered to be short circuit-proof and earth leakage-proof. The cable is halogen-free, flame-retardant and resistant to most oils and grease.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050476	01X1.5	SW	14.4	6.0	60.0
050477	01X2.5	SW	24.0	6.5	70.0
050379	01X4	SW	38.4	7.0	85.0
050380	01X6	SW	57.6	7.5	110.0
050381	01X10	SW	96.0	9.0	160.0
050382	01X16	SW	153.6	10.5	240.0
050383	01X25	SW	240.0	12.5	365.0
050376	01X35	SW	336.0	13.5	494.0
050377	01X50	SW	480.0	15.5	656.0
050353	01X70	SW	672.0	17.5	880.0
050356	01X95	SW	912.0	20.5	1090.0
050355	01X120	SW	1152.0	21.5	1340.0
050384	01X150	SW	1440.0	23.5	1640.0
050385	01X185	SW	1776.0	25.5	2160.0
050386	01X240	SW	2304.0	28.0	2570.0
050654	01X300	SW	2890.0	31.5	3470.0
050892	01X500	SW	4800.0	43.5	5860.0

H03VV-F



Standard	EN 50525-2-11
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC YI2
Sheathing material	PVC TM2
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	60 °C
Permitted outer cable temperature, fixed	50 °C
Bending radius, fixed installation	3 x DA
Bending radius, moving application	5 x DA
Nominal voltage U₀	300 V
Nominal voltage U	300 V

Application:

For the connection of small electrical appliances (table and standard lamps, kitchen appliances, domestic vacuum cleaners, office appliances, radios etc.) at low mechanical stress in household, kitchen and office. Not for the connection of cooking and heating appliances or commercial electric tools. Not for outdoor use, in agricultural or commercial businesses.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030004	02X0.75	SW	14.4	6.3	45.0
030005	02X0.75	WS	14.4	6.3	45.0
030007	03G0.75	WS	21.6	6.7	54.0
030006	03G0.75	SW	21.6	6.7	54.0
031581	04G0.75	SW	29.0	7.3	65.0
030009	04G0.75	WS	29.0	7.3	65.0

H05VV-F



Standard	EN 50525-2-11
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC YI2
Sheathing material	PVC TM2
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	60 °C
Permitted outer cable temperature, fixed	50 °C
Bending radius, fixed installation	3 x DA
Bending radius, moving application	5 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

Suitable for medium mechanical stress in household, kitchen and office rooms. For household appliances even in damp rooms. Suitable for cooking and heating devices if provided that the cable is not in contact with hot parts or is exposed to heat radiation. Not for permanent outdoor use.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031050	02X0.75	WS	14.4	5.8	52.0
030724	02X1	SW	19.0	6.5	65.0
030012	02X1	WS	19.0	6.5	65.0
030013	02X1.5	SW	29.0	7.5	90.0



▶▶▶ H05VV-F

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030014	02X1.5	WS	29.0	7.5	90.0
030039	02X2.5	SW	48.0	9.0	115.0
030015	02X2.5	WS	48.0	9.0	115.0
030016	03G0.75	SW	21.6	6.5	70.0
030017	03G0.75	WS	21.6	6.5	70.0
030019	03G1	WS	29.0	7.0	80.0
030018	03G1	SW	29.0	7.0	80.0
030021	03G1.5	WS	43.0	8.2	115.0
030020	03G1.5	SW	43.0	8.2	115.0
031051	03G1.5	GR	43.0	8.2	115.0
030023	03G2.5	WS	72.0	9.8	175.0
030022	03G2.5	SW	72.0	9.8	175.0
031053	04G0.75	SW	29.0	6.7	75.0
031054	04G0.75	WS	29.0	6.7	75.0
031055	04G1	SW	38.0	7.2	92.0
034677	04G1	WS	38.4	7.2	92.0
030024	04G1.5	SW	58.0	9.2	145.0
030025	04G1.5	WS	58.0	9.2	145.0
030027	04G2.5	WS	96.0	10.7	210.0
030026	04G2.5	SW	96.0	10.7	210.0
031058	05G0.75	SW	36.0	7.5	96.0
031057	05G0.75	WS	36.0	7.5	96.0
031061	05G1	SW	48.0	8.0	113.0
031060	05G1	WS	48.0	8.0	113.0
030029	05G1.5	WS	72.0	10.2	175.0
030028	05G1.5	SW	72.0	10.2	175.0
030030	05G2.5	SW	120.0	13.0	260.0

H05Z1Z1-F



Standard	EN 50525-3-11
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	FRNC compound TI6
Sheathing material	FRNC compound TM7
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	3 x DA
Bending radius, moving application	5 x DA

Application:

For connecting of electrical appliances under low mechanical stress in household, kitchen and office.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
036698	02X0.75	WS	14.4	6.2	52.0
035101	03G0.75	WS	22.0	6.6	68.0
035124	03G0.75	SW	22.0	6.6	68.0
036622	05G0.75	WS	36.0	8.3	92.0
036623	03G1	WS	29.0	7.1	71.0
036624	05G1	WS	48.0	8.4	107.0



 H05Z1Z1-F

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
036700	02X1.5	WS	29.0	7.3	90.0
035198	03G1.5	WS	43.2	8.1	102.0
035304	03G1.5	SW	43.2	8.1	109.0
036625	05G1.5	WS	72.0	10.0	160.0
035102	03G2.5	WS	72.0	10.1	172.0

POWER CABLES
1 UP TO 30 KVBUILDING
WIRESFLEXIBLE
WIRESTELECOMMUNICATION
CABLESCONTROL AND
ELECTRONIC CABLESCABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLESMISCELLANEOUS
PRODUCTSTECHNICAL
APPENDIX

YFAZ



Conductor material	oxygen-free copper (OFC)
Conductor class	class 6 = extra finely stranded
Insulation	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-10 - +70 °C
Insulation resistance	20 MOhm x km
Nominal voltage U_o	50 V
Nominal voltage U	75 V

Application:

Universally applicable: High-quality speaker cable for home application as well as for use in cinemas, theatres and other public buildings. The special construction of copper conductor ensures a long-life flexibility of the cable.

Item number	Item name	Colour	Cop. weight kg/km	W x H approx. mm	Weight approx. kg/km
031861	02X0.75/0.2	SW	14.0	4.9 x 2.4	23.0
032903	02X0.75/0.2	TR	14.4	4.9 x 2.4	23.0
031807	02X1.5/0.15	TR	30.0	5.8 x 2.5	42.0
031763	02X2.5/0.15	TR	50.0	7.4 x 3.6	60.0
031757	02X4/0.15	TR	80.0	9.7 x 4.5	120.0
031764	02X6/0.15	TR	120.0	12.5 x 6.1	141.0
031765	02X10/0.15	TR	200.0	15.0 x 7.0	252.0

POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

FLEXIBLE
WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
ELECTRONIC CABLES

CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLES

MISCELLANEOUS
PRODUCTS

TECHNICAL
APPENDIX

H05RN-F



Standard	EN 50525-2-21
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) EI4
Sheathing material	rubber (CR) EM2
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	60 °C
Permitted outer cable temperature, fixed	-25 - +60 °C
Nominal voltage U₀	300 V
Nominal voltage U	500 V
Core identification	colours acc. to VDE 0293 (HD308)
HAR	yes

Application:

For the connection of electrical appliances (vacuum cleaners, kitchen appliances, soldering iron etc.) with low mechanical stress in household, kitchen, office. Not for permanent outdoor use.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050168	02X0.75	SW	14.4	6.2	60.0
050167	02X1	SW	19.0	6.8	70.0
050166	03G0.75	SW	21.6	6.6	80.0
050169	03G1	SW	29.0	7.2	90.0
051065	04X0.75	SW	29.0	8.8	76.0
051066	04G0.75	SW	29.0	8.8	76.0

H05RR-F



Standard	EN 50525-2-21
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) EI4
Sheathing material	rubber EM3
Maximum permitted conductor temperature	60 °C
Permitted outer cable temperature, fixed	-25 - +60 °C
Nominal voltage U₀	300 V
Nominal voltage U	500 V
Core identification	colours acc. to VDE 0293 (HD308)
HAR	yes

Application:

For the connection of electrical appliances (vacuum cleaners, kitchen appliances, soldering iron etc.) with low mechanical stress in household, kitchen, office. Not for permanent outdoor use.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050019	02X0.75	SW	14.4	6.2	60.0
050020	02X1	SW	19.0	6.8	70.0
050021	02X1.5	SW	29.0	8.2	100.0
050022	02X2.5	SW	48.0	9.7	150.0
050024	03G1	SW	29.0	7.2	90.0
050025	03G1.5	SW	43.0	8.8	130.0
050026	03G2.5	SW	72.0	10.2	180.0



▶▶▶ H05RR-F

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050027	04G0.75	SW	29.0	7.2	90.0
050100	04G1	SW	38.0	7.8	110.0
050028	04G1.5	SW	58.0	9.8	170.0
050029	04G2.5	SW	96.0	11.2	230.0
050897	05G0.75	SW	36.0	9.9	113.0
050030	05G1.5	SW	72.0	10.7	190.0
050031	05G2.5	SW	120.0	12.5	280.0

H07RN-F



CPR-performance acc. to EN 50575	Eca
Standard	EN 50525-2-21
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) EI4
Sheathing material	rubber (CR) EM2
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Ozone-resistant	yes
Maximum permitted conductor temperature	80 °C
Permitted outer cable temperature, fixed	-25 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-25 - +80 °C

Application:

For use at medium mechanical stress in dry, wet and damp locations, as well as outdoors. Also for fixed installation on plaster or machines. The cable is oil-, UV- and ozone-resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050214	01X1.5	SW	14.4	5.9	50.0
050358	01X2.5	SW	24.0	6.6	80.0
050233	01X4	SW	38.0	7.4	100.0
050205	01X6	SW	58.0	8.1	130.0
050033	01X10	SW	96.0	9.7	220.0
050036	01X16	SW	154.0	11.0	280.0
050037	01X25	SW	240.0	12.9	400.0
050038	01X35	SW	336.0	14.6	520.0
050039	01X50	SW	480.0	16.8	720.0
050041	01X70	SW	672.0	18.9	940.0
050042	01X95	SW	912.0	21.1	1220.0
050034	01X120	SW	1152.0	23.1	1510.0
050035	01X150	SW	1440.0	25.6	1900.0
050111	01X185	SW	1776.0	27.9	2300.0
050113	01X240	SW	2304.0	31.0	2900.0
050195	01X300	SW	2880.0	34.1	3600.0
050408	01X400	SW	3840.0	38.5	4800.0
050170	02X1	SW	19.0	7.8	100.0
050043	02X1.5	SW	29.0	8.7	130.0
050044	02X2.5	SW	48.0	10.4	195.0
050228	02X4	SW	77.0	12.0	280.0
050229	02X6	SW	115.0	13.3	400.0
050880	03X1	SW	29.0	8.4	90.0
050045	03G1	SW	29.0	8.4	125.0
050881	03X1.5	SW	43.0	9.4	155.0
050046	03G1.5	SW	43.0	9.4	155.0
050048	03G2.5	SW	72.0	11.1	235.0
050114	03G4	SW	115.0	12.9	310.0
050115	03G6	SW	173.0	14.3	400.0



Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050101	03G10	SW	288.0	19.3	810.0
050102	03G16	SW	461.0	22.1	1000.0
050240	03G25	SW	720.0	27.0	1250.0
050309	03G35	SW	1008.0	29.6	1850.0
050185	03G50	SW	1440.0	36.0	3790.0
050375	04G1	SW	38.0	9.5	129.0
050050	04G1.5	SW	58.0	10.4	190.0
050054	04G2.5	SW	96.0	12.3	280.0
050057	04G4	SW	154.0	14.2	380.0
050059	04G6	SW	230.0	15.9	510.0
050051	04G10	SW	384.0	21.3	940.0
050053	04G16	SW	614.0	24.2	1250.0
050055	04G25	SW	960.0	29.3	1850.0
050056	04G35	SW	1344.0	33.0	2310.0
050058	04G50	SW	1920.0	38.2	3160.0
050060	04G70	SW	2688.0	43.2	4250.0
050061	04G95	SW	3648.0	49.0	5590.0
050052	04G120	SW	4608.0	53.6	6790.0
050187	04G150	SW	5760.0	58.7	8230.0
050196	04G185	SW	7104.0	65.0	9700.0
050837	04G240	SW	9216.0	74.0	13120.0
050062	05G1.5	SW	72.0	11.5	230.0
050065	05G2.5	SW	120.0	13.5	340.0
050067	05G4	SW	192.0	15.9	470.0
050068	05G6	SW	288.0	17.9	630.0
050063	05G10	SW	480.0	22.3	1150.0
050064	05G16	SW	768.0	26.9	1540.0
050066	05G25	SW	1200.0	32.5	2200.0
050160	05G35	SW	1680.0	38.0	2700.0
050217	05G50	SW	2400.0	44.5	3950.0
050319	05G70	SW	3360.0	47.0	4893.0
050352	05G95	SW	4560.0	58.0	6600.0
050858	05G120	SW	5760.0	61.0	8051.0
051080	05G150	SW	7200.0	73.0	10500.0
050216	07G1.5	SW	101.0	14.5	370.0
050219	07G2.5	SW	168.0	17.0	520.0
050215	12G1.5	SW	175.0	18.3	450.0
050204	12G2.5	SW	288.0	19.0	750.0
050220	19G1.5	SW	274.0	23.5	800.0
050242	19G2.5	SW	456.0	26.6	1068.0
050243	24G1.5	SW	346.0	25.5	1000.0
050202	24G2.5	SW	576.0	31.5	1380.0
050750	25G1.5	SW	360.0	26.0	889.0

H07ZZ-F



Standard	EN 50525-3-21
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	rubber EI8
Sheathing material	rubber (EPR) EM8
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Nominal voltage U₀	450 V

Application:

These cables are designed for indoor and outdoor installation, particularly for applications where only small quantities of smoke and corrosive gases may be emitted in the event of a fire.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050673	02X1	SW	19.0	9.2	95.0
050674	02X1.5	SW	29.0	10.2	119.0
050675	02X2.5	SW	48.0	12.2	172.0
050681	03G1	SW	29.0	10.1	115.0
050682	03G1.5	SW	43.0	11.9	144.0
050683	03G2.5	SW	72.0	14.0	211.0
050684	03G4	SW	115.0	16.2	290.0
050698	04G1	SW	38.0	11.1	141.0
050699	04G1.5	SW	58.0	12.9	176.0
050700	04G2.5	SW	96.0	15.3	235.0
050701	04G4	SW	154.0	17.7	365.0
050702	04G6	SW	230.0	19.8	501.0
050703	04G10	SW	384.0	26.5	872.0
050704	04G16	SW	614.0	30.1	1194.0
050705	04G25	SW	960.0	36.6	1822.0
050706	04G35	SW	1344.0	41.1	2307.0
050707	04G50	SW	1920.0	47.5	3253.0
050708	04G70	SW	2688.0	53.8	4130.0
050709	04G95	SW	3648.0	60.9	5720.0
050710	04G120	SW	4608.0	65.8	6965.0
050711	04G150	SW	5760.0	72.7	8644.0
050715	05G1	SW	48.0	12.2	170.0
050716	05G1.5	SW	72.0	14.2	214.0
050717	05G2.5	SW	120.0	16.9	316.0
050718	05G4	SW	192.0	19.8	448.0
050719	05G6	SW	288.0	22.1	607.0
050720	05G10	SW	480.0	29.1	1075.0
050721	05G16	SW	768.0	33.3	1480.0
050722	05G25	SW	1200.0	38.4	2255.0
051002	05G35	SW	1680.0	37.0	2700.0
050726	07G1.5	SW	101.0	19.1	303.0
050727	07G2.5	SW	168.0	21.5	448.0
050728	12G1.5	SW	173.0	22.4	496.0
050729	12G2.5	SW	288.0	26.2	724.0
050865	14G2.5	SW	336.0	25.0	860.0
050731	18G1.5	SW	259.0	26.3	702.0
050732	18G2.5	SW	432.0	29.3	1045.0
051114	27G1.5	SW	389.0	26.2	975.0
051115	27G2.5	SW	648.0	30.2	1375.0
050863	37G1.5	SW	533.0	36.2	1317.0
050864	52G1.5	SW	749.0	43.1	1766.0

H01N2-D - Cable with normal flexibility



Standard	EN 50525-2-81
Conductor material	copper, bare or tinned
Conductor class	class 6 = extra finely stranded
Sheathing material	rubber (CR) EM5
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	85 °C
Permitted outer cable temperature, fixed	-20 - +85 °C
Nominal voltage U₀	100 V
Nominal voltage U	100 V
HAR	yes

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
060008	01X16	SW	154.0	9.2	220.0
060009	01X25	SW	240.0	10.5	300.0
060010	01X35	SW	336.0	12.1	410.0
060011	01X50	SW	480.0	13.5	560.0
060012	01X70	SW	672.0	16.2	770.0
060013	01X95	SW	912.0	18.5	1050.0
060014	01X120	SW	1152.0	20.1	1290.0
060016	01X150	SW	1440.0	22.5	1590.0

H1Z2Z2-K



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0283-618
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	cross-linked polyolefin-copolymer
Sheathing material	cross-linked polyolefin-copolymer
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1
Ozone-resistant	yes
Maximum permitted conductor temperature	120 °C

Application:

Solar line for freely movable use or fixed installation in photovoltaic systems as per EN 60364-7-712. The cable may be used indoors, outdoors, in explosive areas, in industrial or agricultural operations and is approved for direct laying in the ground. The cable is regarded as short-circuit-proof and earth leakage-proof. It meets the VDE application regulation VDE-AR-E 2283-4. The cable has been subjected to the following additional tests:
 - abrasion as per EN 50289-3-7
 - water AD 7 as per HD 516
 - oil-resistance as per NEK 606/EN60811.
 Please note the applicable installation instructions on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
041027	01X4	SW	38.4	5.4	56.0
041028	01X4	BL	38.4	5.4	56.0
041029	01X4	RT	38.4	5.4	56.0
041030	01X6	SW	58.0	5.9	74.0



H1Z2Z2-K

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
041031	01X6	BL	58.0	5.9	74.0
041032	01X6	RT	58.0	5.9	74.0
041033	01X10	SW	96.0	6.9	117.0
041034	01X10	BL	96.0	6.9	117.0
041035	01X10	RT	96.0	6.9	117.0
041036	01X16	SW	154.0	8.0	173.0
041037	01X16	BL	154.0	8.0	173.0
041038	01X16	RT	154.0	8.0	173.0
041039	01X25	SW	240.0	10.3	273.0
041040	01X25	BL	240.0	10.3	273.0
041041	01X25	RT	240.0	10.3	273.0
041042	01X35	SW	336.0	11.8	368.0
041043	01X35	BL	336.0	11.8	368.0
041044	01X35	RT	336.0	11.8	368.0

NSSH0EU-J



Standard	VDE 0250 T. 812
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) 3GI3, halogen-free
Sheathing material	rubber (CR) 5GM5
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +80 °C
Nominal voltage U₀	600 V
Nominal voltage U	1000 V

Application:

Designed to withstand high mechanical stress. For the connection of heavy duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is largely flame- and oil-resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050128	03X1.5	GE	43.0	12.5	200.0
050129	03X2.5	GE	72.0	13.2	260.0
050140	03X70/35	GE	2352.0	44.6	4460.0
050141	03X95/50	GE	3216.0	53.1	5910.0
050212	03X120/70	GE	4128.0	54.0	7300.0
050891	03X150/70	GE	4992.0	73.1	7119.0
050131	04X1.5	GE	58.0	12.6	230.0
050132	04X2.5	GE	96.0	15.9	350.0
050133	04X4	GE	154.0	17.5	450.0
050134	04X6	GE	230.0	18.8	560.0
050135	04X10	GE	384.0	23.0	860.0
050136	04X16	GE	614.0	27.3	1350.0
050137	04X25	GE	960.0	34.5	2010.0
050138	04X35	GE	1344.0	36.4	2590.0
050139	04X50	GE	1920.0	41.5	3660.0
050239	04X70	GE	2688.0	46.5	4605.0
050234	04X95	GE	3648.0	56.8	6400.0
050235	04X120	GE	4608.0	65.5	7705.0
050236	04X150	GE	5760.0	73.2	8200.0
050142	05X1.5	GE	72.0	15.1	255.0
050143	05X2.5	GE	120.0	17.2	385.0
050144	05X4	GE	192.0	19.4	560.0

SSSHOEU-J

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050145	05X6	GE	288.0	21.4	670.0
050146	05X10	GE	480.0	23.5	1000.0
050147	05X16	GE	768.0	30.1	1570.0
050148	05X25	GE	1200.0	35.5	2340.0
050237	05X35	GE	1680.0	44.1	3400.0
050149	07X1.5	GE	101.0	16.9	410.0
050150	07X2.5	GE	168.0	19.5	500.0
050151	10X1.5	GE	144.0	20.5	545.0
051188	12X1.5	GE	173.0	20.1	550.0
050152	12X2.5	GE	288.0	22.9	770.0
050153	18X2.5	GE	432.0	27.8	1160.0
051380	24X1.5	GE	346.0	27.3	906.0

SSSHOEU-O



Fig. similar

Standard	VDE 0250 T. 812
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) 3GI3, halogen-free
Sheathing material	rubber (CR) 5GM5
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +80 °C
Nominal voltage U ₀	600 V
Nominal voltage U	1000 V

Application:

Designed to withstand high mechanical stress. For the connection of heavy duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is largely flame- and oil-resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050121	01X16	GE	154.0	11.4	260.0
050359	01X25	GE	240.0	13.1	400.0
050190	01X35	GE	336.0	14.5	500.0
050122	01X50	GE	480.0	19.0	680.0
050123	01X70	GE	672.0	20.0	900.0
050124	01X95	GE	912.0	22.2	1150.0
050125	01X120	GE	1152.0	24.0	1440.0
050410	01X150	GE	1440.0	27.1	1750.0
050434	01X185	GE	1776.0	30.2	2180.0
050422	01X240	GE	2304.0	34.2	2790.0
050557	01X300	GE	2880.0	42.1	3460.0
050227	02X1.5	GE	29.0	11.8	190.0

NSSHOEU /3E



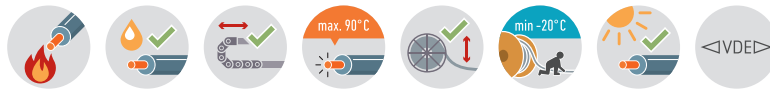
Standard	VDE 0250 T. 812
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) 3GI3, halogen-free
Sheathing material	rubber (CR) 5GM5
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Ozone-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +80 °C
Nominal voltage U₀	600 V

Application:

Designed to withstand high mechanical stress. For the connection of heavy duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is largely flame- and oil-resistant. For applications with specific requirements to EMC.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050825	03X2.5 + 3X2.5/3E + 3X1.5 St	GE	198.0	18.9	470.0
050826	03X6 + 3X6/3E + 3X1.5 St	GE	341.0	20.9	620.0
050827	03X10 + 3X10/3E + 3X2.5 St	GE	514.0	24.7	940.0
050828	03X16 + 3X16/3E + 3X2.5 St	GE	754.0	29.1	1310.0
050829	03X25 + 3X16/3E + 3X2.5 St	GE	1042.0	32.5	1740.0
050830	03X35 + 3X16/3E + 3X2.5 St	GE	1368.0	36.7	2240.0
050831	03X50 + 3X25/3E + 3X2.5 St	GE	1896.0	43.0	3160.0
050832	03X70 + 3X35/3E + 3X2.5 St	GE	2587.0	46.8	4210.0
050833	03X95 + 3X50/3E + 3X2.5 St	GE	3509.0	53.6	5520.0
050834	03X120 + 3X70/3E + 3X2.5 St	GE	4440.0	57.9	6730.0
051039	03X150 + 3X95/3E + 3X2.5 St	GE	5304.0	63.9	8220.0

NSHTOEU



Standard	VDE 0250 T. 814
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) 3GI3, halogen-free
Material inner sheath	rubber GM1b
Torsion protection	polyester braid
Torsion	+/- 25 °/m
Sheathing material	rubber (CR) 5GM3
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	yes
Maximum permitted conductor temperature	90 °C

Application:

As connection and reelable 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 is resistant to acids, lyes, and oils. Please refer to the relevant installation guidelines on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050523	04X1.5	SW	58.0	14.4	275.0
050524	05X1.5	SW	72.0	15.4	317.0
050313	07X1.5	SW	101.0	18.8	414.0
050525	12X1.5	SW	173.0	22.9	650.0
050526	18X1.5	SW	260.0	25.2	743.0
050312	24X1.5	SW	346.0	29.4	1024.0
050527	30X1.5	SW	432.0	32.9	1327.0
050529	04X2.5	SW	96.0	17.2	415.0
050530	05X2.5	SW	120.0	18.2	464.0
050556	07X2.5	SW	168.0	20.8	575.0
050531	12X2.5	SW	288.0	28.2	904.0
050532	18X2.5	SW	432.0	29.2	1230.0
050534	24X2.5	SW	576.0	34.3	1583.0
050535	30X2.5	SW	720.0	38.5	1841.0
050740	50X2.5	SW	1200.0	47.7	3050.0
050536	04X4	SW	154.0	18.8	530.0
050537	04X6	SW	230.4	20.2	684.0
050538	04X10	SW	384.0	24.4	1017.0
050539	04X16	SW	615.0	27.9	1370.0
050540	04X25	SW	960.0	34.9	1985.0
050541	04X35	SW	1344.0	37.5	2605.0
050542	04X50	SW	1920.0	44.2	3593.0
050543	04X70	SW	2688.0	48.6	4950.0
050544	04X95	SW	3648.0	55.4	6490.0
050545	04X120	SW	4608.0	62.0	8600.0
050766	04X150	SW	5760.0	67.6	9090.0
050767	04X185	SW	7104.0	73.2	9730.0
050548	05X4	SW	192.0	20.1	630.0
050546	05X6	SW	288.0	22.7	790.0
050547	05X10	SW	480.0	26.3	1200.0
050749	05X16	SW	768.0	30.1	1700.0

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APPENDIX

Submersible pump cable (-J)



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber EI7
Sheathing material	rubber (CR) 5GM3
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +90 °C
Permitted outer cable temperature, in motion/ during installation	-40 - +90 °C
Bending radius, fixed installation	3 x DA
Bending radius, moving application	5 x DA
Nominal voltage U_o	450 V
Nominal voltage U	750 V
Core identification	colours acc. to VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050562	03X1.5	BL	43.0	9.3	100.0
050501	03X2.5	BL	72.0	10.9	160.0
050499	04X1.5	BL	58.0	10.5	130.0
050502	04X2.5	BL	96.0	12.3	200.0
050503	04X4	BL	154.0	13.9	280.0
050549	04X6	BL	230.0	15.7	390.0
050550	04X10	BL	384.0	18.7	600.0
050504	04X16	BL	614.0	21.2	840.0
050551	04X25	BL	960.0	26.5	1280.0
050753	04X35	BL	1344.0	29.4	1700.0
050653	04X50	BL	1920.0	34.8	2450.0
050754	04X70	BL	2688.0	39.9	3370.0
050993	04X95	BL	3648.0	45.9	4430.0
051311	07X1.5	BL	101.0	16.3	260.0
051312	12X1.5	BL	173.0	17.5	380.0
051171	07X2.5	BL	168.0	19.1	380.0
051313	12X2.5	BL	288.0	22.7	580.0

H05RNH2-F



Standard	EN 50525-2-82
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) EI4
Sheathing material	rubber (CR) EM2
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	60 °C
Permitted outer cable temperature, fixed	-25 - +60 °C
Nominal voltage U₀	300 V
Nominal voltage U	500 V
Core identification	colours acc. to VDE 0293 (HD308)
HAR	yes

Application:

The cable is suitable for dry and wet rooms as well as outdoors for temporary installation of fairy lights.

Item number	Item name	Colour	Cop. weight kg/km	W x H approx. mm	Weight approx. kg/km
050411	02X1.5	GN	28.8	14.0 x 6.0	145.0
051452	02X2.5	SW	48.0	14.0 x 6.0	195.0

GGSG



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	rubber EI7
Material inner sheath	rubber EM7
Screen	copper wires
Sheathing material	rubber EM7
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-25 - +80 °C
Bending radius, fixed installation	6 x DA

Application:

The cable is designed for use in the rail sector, where narrow bending radii and vibrations may occur. The product approval of Deutsche Bahn AG can be provided on request.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011865	01X300/95	RT	3904.0	42.0	4850.0

NGFLGOEU



Standard	VDE 0250 T. 809
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded, 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 60332-1-2
Oil-resistant	EN 60811-2-1
Ozone-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-35 - +80 °C
Bending radius, fixed installation	5 x DA

Application:

For the connection of mobile parts of machine tools, conveyor plants and large-scale equipment, if the cable is exposed to bends in only one level (cable trolley). In dry, damp and wet rooms as well as outdoors.

Item number	Item name	Colour	Cop. weight kg/km	W x H approx. mm	Weight approx. kg/km
050505	04X1.5	SW	58.0	17.5 x 6.2	200.0
050506	05X1.5	SW	72.0	21.5 x 6.2	240.0
050507	07X1.5	SW	101.0	29.1 x 6.2	360.0
050508	08X1.5	SW	115.0	31.5 x 6.2	370.0
050509	10X1.5	SW	144.0	39.9 x 6.5	460.0
050374	12X1.5	SW	173.0	47.1 x 6.5	620.0
050510	24X1.5	SW	346.0	55.1 x 12.5	1300.0
050555	04X2.5	SW	96.0	21.1 x 7.5	280.0
050568	05X2.5	SW	120.0	27.1 x 7.5	332.0
050372	07X2.5	SW	168.0	34.9 x 7.5	520.0
050511	08X2.5	SW	192.0	39.1 x 7.5	550.0
050569	10X2.5	SW	240.0	47.9 x 8.1	680.0
050512	12X2.5	SW	288.0	56.1 x 8.1	800.0
050570	24X2.5	SW	576.0	68.2 x 16.2	1480.0
050513	04X4	SW	154.0	26.1 x 9.1	410.0
050571	05X4	SW	192.0	32.1 x 9.1	560.0
050373	07X4	SW	269.0	41.9 x 9.1	700.0
050514	04X6	SW	230.0	29.1 x 9.5	600.0
050521	05X6	SW	288.0	35.1 x 9.5	650.0
050522	07X6	SW	403.0	42.1 x 9.5	850.0
050515	04X10	SW	384.0	33.1 x 11.1	800.0
050516	04X16	SW	614.0	37.8 x 12.9	1150.0
050768	05X10	SW	480.0	44.1 x 11.1	1135.0
050572	05X16	SW	768.0	49.8 x 12.9	1450.0
050517	04X25	SW	960.0	49.5 x 15.1	1700.0
050518	04X35	SW	1344.0	54.9 x 17.1	2200.0
050574	07X35	SW	2352.0	88.2 x 17.1	3820.0
050519	04X50	SW	1920.0	62.8 x 18.9	3000.0
050575	04X70	SW	2688.0	71.2 x 22.1	3910.0
050520	04X95	SW	3648.0	79.8 x 24.8	5300.0
050576	04X120	SW	4608.0	85.8 x 27.2	6400.0

NGFLCGOEU



Standard	VDE 0250 T. 809 (with reference to)
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded, up from 35 sqmm class 5
Insulation	rubber (EPR) 3GI3, halogen-free
Screen	copper braid, tinned
Screen coverage	80 %
Sheathing material	rubber (CR) 5GM3
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Ozone-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C

Application:

For the connection of mobile parts of machine tools, conveyor plants and major items of equipment, if the cables is exposed to bends in only one level. For installation in dry, damp and wet areas as well as outdoors. Due to the screening of each single core the cable provides enhanced EMC properties.

Item number	Item name	Colour	Cop. weight kg/km	W x H approx. mm	Weight approx. kg/km
050578	04X1.5	SW	99.0	18.5 x 6.5	230.0
050402	12X1.5	SW	342.0	54.5 x 8.5	770.0
050387	04X2.5	SW	163.0	22.5 x 7.5	340.0
050489	04X4	SW	241.0	29.1 x 10.5	505.0
050469	04X6	SW	353.0	31.1 x 10.5	600.0
050839	04X10	SW	495.0	36.1 x 10.5	855.0

A05RN-F



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	rubber EI3
Sheathing material	rubber 5GM2
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Ozone-resistant	yes
Maximum permitted conductor temperature	60 °C
Permitted outer cable temperature, fixed	-25 - +60 °C
Bending radius, fixed installation	4 x DA
Bending radius, moving application	5 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050920	04G0.75	SW	29.0	7.6	76.0
050619	04G0.75	GR	29.0	7.6	76.0

FABER® Jalousie FRNC



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	FRNC-compound HI1
Material inner sheath	halogen-free
Sheathing material	polyurethan
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Ozone-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	5 x DA

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
036583	04G0.75	SW	29.0	7.5	67.0

NSGAFOEU 1.8/3 kV



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0250 T. 602
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) 3GI3, halogen-free
Sheathing material	rubber (CR) 5GM5
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Ozone-resistant	yes
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-25 - +80 °C
Nominal voltage U₀	1800 V

Application:

This wire is designed for use in dry rooms, buses and rail-borne vehicles. It is considered to be short circuit-proof and earth leakage-proof when used in switching appliances and distributors of up to 1 kV. It is flame-retardant and resistant to most oils.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050194	01X1.5	SW	14.4	5.5	60.0
050178	01X2.5	SW	24.0	6.2	70.0
050159	01X4	SW	38.0	6.7	90.0
050165	01X6	SW	58.0	7.2	120.0
050172	01X10	SW	96.0	8.7	180.0
050183	01X16	SW	154.0	10.0	250.0
050184	01X25	SW	240.0	12.0	390.0
050163	01X35	SW	336.0	13.0	470.0



 NSGAFOEU 1.8/3 kV

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050164	01X50	SW	480.0	15.0	625.0
050182	01X70	SW	672.0	17.0	880.0
050208	01X95	SW	912.0	19.5	1190.0
050244	01X120	SW	1152.0	21.0	1430.0
050241	01X150	SW	1440.0	23.0	1750.0
050245	01X185	SW	1776.0	26.0	2160.0
050246	01X240	SW	2304.0	28.0	2640.0
050247	01X300	SW	2880.0	31.0	3178.0
050472	01X500	SW	4800.0	42.0	5500.0

POWER CABLES
1 UP TO 30 KVBUILDING
WIRESFLEXIBLE
WIRESTELECOMMUNICATION
CABLESCONTROL AND
ELECTRONIC CABLESCABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLESMISCELLANEOUS
PRODUCTSTECHNICAL
APPENDIX

H05BQ-F



Standard	EN 50525-2-21
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) EI4
Sheathing material	polyurethan
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Nominal voltage U₀	300 V
Nominal voltage U	500 V
Core identification	colours acc. to VDE 0293 (HD308)
HAR	yes

Application:

In dry and wet environments as well as outdoors under medium mechanical stress. For connection of electrical tools on building sites or in cold environments. The cable is highly oil-, abrasion- and impact resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
050320	02X0.75	OR	14.4	6.4	48.5
051270	03X0.75	OR	21.6	7.1	60.0
050321	03G0.75	OR	21.6	7.1	60.0
050322	04G0.75	OR	29.0	7.6	76.0
050323	05G0.75	OR	36.0	8.5	98.0
050324	02X1	OR	19.2	7.0	57.0
050325	03G1	OR	28.8	7.4	71.0
050326	04G1	OR	38.4	8.1	92.0
050327	05G1	OR	48.0	9.0	115.5

H07BQ-F (without filler)



Standard	EN 50525-2-21
Conductor material	copper, bare or tinned
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) EI4
Sheathing material	polyurethan
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Nominal voltage U₀	450 V
Nominal voltage U	750 V
Core identification	colours acc. to VDE 0293 (HD308)
HAR	yes

Application:

In dry and wet environments as well as outdoors under medium mechanical stress. For connection of electrical tools on building sites or in cold environments. The cable is highly oil-, abrasion- and impact resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
051202	02X1.5	OR	28.8	8.4	88.0
051184	03G1.5	OR	43.2	8.9	106.0
051203	04G1.5	OR	57.6	9.9	136.0
051204	05G1.5	OR	72.0	10.8	170.0



▶▶▶ H07BQ-F (without filler)

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
051205	02X2.5	OR	48.0	10.0	128.0
051206	03G2.5	OR	72.0	10.6	158.0
051207	04G2.5	OR	96.0	11.8	206.0
051208	05G2.5	OR	120.0	13.1	258.0
051209	03G4	OR	115.2	12.9	228.0
051210	04G4	OR	154.0	14.5	294.0
051211	05G4	OR	192.0	16.0	345.0
051212	04G6	OR	230.4	16.2	436.0
051213	05G6	OR	288.0	17.9	518.0
051214	04G10	OR	384.0	21.6	722.0
051215	05G10	OR	480.0	23.2	864.0
051216	04G16	OR	614.4	24.2	1103.0
051217	05G16	OR	768.0	26.9	1382.0

X07BQ-F (without filler)



Fig. similar



Standard	EN 50525-2-21
Conductor material	copper, bare or tinned
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) EI4
Sheathing material	polyurethan
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Nominal voltage U₀	450 V
Nominal voltage U	750 V
Core identification	colours acc. to VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers
HAR	yes

Application:

In dry and wet environments as well as outdoors under medium mechanical stress. For connection of electrical tools on building sites or in cold environments. The cable is highly oil-, abrasion- and impact resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
051218	07G1.5	OR	101.0	13.2	267.0
051219	12G1.5	OR	172.8	16.0	340.0
051220	07G2.5	OR	168.0	15.2	352.0
051221	12G2.5	OR	288.0	20.8	520.0

X07BQ-F (with filler)



Fig. similar

Standard	EN 50525-2-21
Conductor material	copper, bare or tinned
Conductor class	class 5 = fine stranded
Insulation	rubber (EPR) EI4
Sheathing material	polyurethan
Flame-retardant	no
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Nominal voltage U₀	450 V
Nominal voltage U	750 V
Core identification	colours acc. to VDE 0293 (HD308)
HAR	yes

Application:

In dry and wet environments as well as outdoors under medium mechanical stress. For connection of electrical tools on building sites or in cold environments. The cable is highly oil-, abrasion- and impact resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
051624	04G25	OR	960.0	29.2	1609.0
051625	04G35	OR	1344.0	32.4	2107.0
051626	04G50	OR	1920.0	37.6	2901.0
051627	04G70	OR	2688.0	42.4	3876.0
051628	04G95	OR	3648.0	49.2	5121.0
050420	05G25	OR	1200.0	35.0	2400.0
050409	05G35	OR	1680.0	39.0	2500.0
050437	05G50	OR	2400.0	46.5	3290.0
050421	05G70	OR	3360.0	53.0	5556.0
050413	05G95	OR	4560.0	60.0	7274.0
050350	12G2.5	OR	288.0	20.8	520.0

SiD



CPR-performance acc. to EN 50575	Eca
Conductor material	tinned copper
Conductor class	class 1 = solid
Insulation	silicone rubber
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, moving application	6 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

For operation in ambient temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distribution boards.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
034750	01X0.75	WS	7.2	2.1	13.0
031939	01X1	SW	9.6	2.3	13.0
031940	01X1	WS	9.6	2.3	13.0
031941	01X1.5	BL	14.4	2.6	19.0
031942	01X1.5	BR	14.4	2.6	19.0
031943	01X1.5	GG	14.4	2.6	19.0
031944	01X1.5	SW	14.4	2.6	19.0
036091	01X1.5	WS	14.4	2.6	19.0
033886	01X2.5	BL	24.0	3.2	29.0
033887	01X2.5	BR	24.0	3.2	29.0
033884	01X2.5	SW	24.0	3.2	29.0

SiF



CPR-performance acc. to EN 50575	on request
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	6 x DA
Bending radius, moving application	15 x DA
Nominal voltage U_o	300 V
Nominal voltage U	500 V

Application:

For operation in ambient temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distribution boards.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031076	01X0.5	BL	4.8	2.1	8.6
031077	01X0.5	SW	4.8	2.1	8.6
031078	01X0.5	BR	4.8	2.1	8.6
031079	01X0.5	GR	4.8	2.1	8.6
031080	01X0.5	WS	4.8	2.1	8.6
031081	01X0.5	RT	4.8	2.1	8.6
031082	01X0.75	GR	7.2	2.4	11.0
031083	01X0.75	WS	7.2	2.4	11.0
031084	01X0.75	RT	7.2	2.4	11.0
030993	01X0.75	SW	7.2	2.4	11.0
030992	01X0.75	BR	7.2	2.4	11.0
030991	01X0.75	BL	7.2	2.4	11.0
030990	01X0.75	GG	7.2	2.4	11.0
030994	01X1	GG	9.6	2.5	13.6
030997	01X1	SW	9.6	2.5	13.6
030996	01X1	BR	9.6	2.5	13.6
030995	01X1	BL	9.6	2.5	13.6
031085	01X1	GR	9.6	2.5	13.6
031086	01X1	WS	9.6	2.5	13.6
031087	01X1	RT	9.6	2.5	13.6
030999	01X1.5	BL	14.4	2.8	20.3
030998	01X1.5	GG	14.4	2.8	20.3
030972	01X1.5	RT	14.4	2.8	20.3
030971	01X1.5	BR	14.4	2.8	20.3
030970	01X1.5	SW	14.4	2.8	20.3
031088	01X1.5	GR	14.4	2.8	20.3
031089	01X1.5	WS	14.4	2.8	20.3
031090	01X2.5	GG	24.0	3.4	32.0
031091	01X2.5	BL	24.0	3.4	32.0
030967	01X2.5	SW	24.0	3.4	32.0
030968	01X2.5	RT	24.0	3.4	32.0
030969	01X2.5	BR	24.0	3.4	32.0
031092	01X2.5	GR	24.0	3.4	32.0
031093	01X2.5	WS	24.0	3.4	32.0
031094	01X4	GG	38.4	4.2	48.5
031095	01X4	BL	38.4	4.2	48.5
031096	01X4	SW	38.4	4.2	48.5
031097	01X4	BR	38.4	4.2	48.5
031098	01X4	GR	38.4	4.2	48.5
031099	01X4	WS	38.4	4.2	48.5
031100	01X4	RT	38.4	4.2	48.5





Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031101	01X6	GG	57.6	5.2	71.0
031102	01X6	BL	57.6	5.2	71.0
031103	01X6	SW	57.6	5.2	71.0
031104	01X6	BR	57.6	5.2	71.0
031105	01X6	GR	57.6	5.2	71.0
031106	01X6	WS	57.6	5.2	71.0
031107	01X6	RT	57.6	5.2	71.0
032021	01X10	BL	96.0	6.3	124.0
032022	01X10	BR	96.0	6.3	124.0
031108	01X10	SW	96.0	6.3	124.0
031109	01X10	GG	96.0	6.3	124.0
031115	01X16	SW	153.6	8.0	188.0
031111	01X16	GG	153.6	8.0	188.0
031112	01X25	SW	240.0	9.9	296.0
031113	01X25	GG	240.0	9.9	296.0
031114	01X35	SW	336.0	11.2	400.0
031116	01X35	GG	336.0	11.2	400.0
031117	01X50	SW	480.0	13.8	570.0
030963	01X70	SW	672.0	14.8	766.0
031118	01X95	SW	912.0	18.2	1030.0
031119	01X120	SW	1152.0	18.8	1300.0
031281	01X150	SW	1440.0	20.8	1563.0
031288	01X185	SW	1776.0	23.3	1915.0
032108	01X240	SW	2304.0	26.1	2440.0
032109	01X300	SW	2880.0	28.9	3100.0

H05SJ-K



Standard	EN 50525-2-41
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone EI2
Covering	braided glass fibres
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	90 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	6 x DA
Bending radius, single bend	3 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

For operation in ambient temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distribution boards.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031711	01X1.5	WS	14.4	3.5	24.0
031795	01X2.5	WS	24.0	4.2	35.6
035045	01X4	WS	38.4	4.7	53.0

POWER CABLES
1 UP TO 30 KV

BUILDING WIRES

FLEXIBLE WIRES

TELECOMMUNICATION CABLES

CONTROL AND ELECTRONIC CABLES

CABLE WITH CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE CABLES

MISCELLANEOUS PRODUCTS

TECHNICAL APPENDIX

SiF/GL



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Covering	laquered/impregnated glass fibre braid
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	15 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

For operation in ambient temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distribution boards.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
034720	01X4	WS	38.4	4.7	53.0
032651	01X6	WS	58.0	5.4	77.0
034721	01X10	WS	96.0	7.6	129.0
034722	01X16	WS	154.0	8.9	198.0
034723	01X25	WS	240.0	10.9	303.0
034522	01X35	WS	336.0	12.1	413.0
034724	01X50	WS	480.0	14.4	578.0
033844	01X70	WS	672.0	14.9	831.0
033845	01X95	WS	912.0	18.4	1117.0
033846	01X120	WS	1152.0	19.4	1410.0
033847	01X150	WS	1440.0	23.4	1695.0
033848	01X185	WS	1776.0	24.0	2077.0
034725	01X240	WS	2304.0	26.9	2498.0
035842	01X300	WS	2880.0	30.9	3490.0

FZLSi



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-50 - +180 °C

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031753	01X1	RT	9.6	7.2	60.0
032082	01X1.5	RT	14.4	7.6	71.0
032294	01X1.5	BL	14.4	7.8	95.0

2GTL 13.8/15 kV



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Covering	synthetic yarn, varnish coating with PUR
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
UV-resistant	yes
Ozone-resistant	yes
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-50 - +180 °C
Bending radius, fixed installation	6 x DA

Application:
This connection cable is primarily used where great flexibility is required and a great thermal stress provided, e.g. transformers, generators, engines etc. For installation indoors and in cable ducts for power plant, industry and distribution networks. The halogen-free coating lends the cable good non-slip properties and abrasion-resistance as well as a very good resistance to transformer oil and light fuel oil.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
036264	01X10	SW	96.0	14.9	277.0
036326	01X16	SW	154.0	15.8	346.0
036435	01X25	SW	240.0	17.2	454.0
036331	01X35	SW	336.0	18.3	565.0
036298	01X50	SW	480.0	20.0	729.0
036436	01X70	SW	672.0	22.1	957.0



2GTL 13.8/15 kV

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
036437	01X95	SW	912.0	24.1	1219.0
036578	01X120	SW	1152.0	14.8	1470.0
036579	01X150	SW	1440.0	26.6	1769.0
036323	01X185	SW	1776.0	29.3	2123.0
036460	01X240	SW	2304.0	31.9	2665.0

SiHF-J



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Sheathing material	silicone rubber
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	5 x DA
Bending radius, moving application	15 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

For connection of mobile electrical appliances without mechanical stress at increased ambient temperatures, for example in steelworks, but also at low temperatures. Insulation and sheath are resistant to most oils, greases, acids, lyes and oxidants. For fixed installation in mechanically protected conduits. For indoor and outdoor use.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030709	03X0.75	RT	21.6	6.8	66.0
030710	04X0.75	RT	28.8	7.8	84.0
030942	05X0.75	RT	36.0	8.5	101.0
030943	07X0.75	RT	50.4	9.6	158.0
035547	12X0.75	RT	86.5	11.1	178.0
035548	18X0.75	RT	130.0	13.3	260.0
035549	25X0.75	RT	180.0	15.6	370.0
030676	03X1	RT	28.8	7.4	78.0
030682	04X1	RT	38.4	8.0	95.0
030944	05X1	RT	48.0	8.8	116.0
030678	07X1	RT	67.2	10.0	177.0
035895	12X1	RT	115.2	12.6	256.0
032872	20X1	RT	192.0	15.8	400.0
036093	25X1	RT	240.0	18.5	431.0
030680	03X1.5	RT	43.2	8.0	98.0
030665	04X1.5	RT	57.6	8.8	122.0
030711	05X1.5	RT	72.0	9.6	148.0
030800	07X1.5	RT	101.0	10.9	232.0
030791	12X1.5	RT	172.8	14.8	332.0
032625	18X1.5	RT	259.2	17.6	510.0
036094	25X1.5	RT	360.0	21.0	449.0
030664	03X2.5	RT	72.0	9.7	152.0
030674	04X2.5	RT	96.0	10.6	189.0
030691	05X2.5	RT	120.0	11.6	229.0
030766	07X2.5	RT	168.0	12.9	348.0
033890	12X2.5	RT	288.0	17.5	530.0
032636	19X2.5	RT	456.0	21.1	912.0
031126	03X4	RT	115.0	11.5	249.0
030668	04X4	RT	154.0	13.0	330.0



SiHF-J

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030696	05X4	RT	192.0	15.0	359.0
031127	07X4	RT	269.0	16.2	487.0
031129	03X6	RT	173.0	14.2	352.0
031130	04X6	RT	230.0	16.2	429.0
030690	05X6	RT	288.0	17.7	564.0
030951	07X6	RT	403.0	19.3	685.0
030708	04X10	RT	384.0	21.4	710.0
030707	04X16	RT	615.0	24.0	1014.0
031332	04X25	RT	960.0	29.3	1460.0
032880	04X35	RT	1344.0	33.0	2044.0
032847	04X50	RT	1920.0	34.0	2990.0
035844	04X70	RT	2688.0	44.5	3550.0
035845	04X95	RT	3648.0	51.0	4800.0
033749	05X10	RT	480.0	22.5	900.0
031611	05X16	RT	768.0	26.9	1206.0

SiHF-O



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Sheathing material	silicone rubber
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	5 x DA
Bending radius, moving application	15 x DA
Nominal voltage U₀	300 V
Nominal voltage U	500 V

Application:

For connection of mobile electrical appliances without mechanical stress at increased ambient temperatures, for example in steelworks, but also at low temperatures. Insulation and sheath are resistant to most oils, greases, acids, lyes and oxidants. For fixed installation in mechanically protected conduits. For indoor and outdoor use.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031179	02X0.75	RT	14.4	6.4	57.0
031180	02X1	RT	19.2	6.6	64.0
031181	02X1.5	RT	28.8	7.6	87.0
031182	02X2.5	RT	48.0	9.2	137.0
031183	02X4	RT	76.8	10.8	192.0
031184	02X6	RT	116.0	13.4	289.0

POWER CABLES
1 UP TO 30 KV

BUILDING WIRES

FLEXIBLE WIRES

TELECOMMUNICATION CABLES

CONTROL AND ELECTRONIC CABLES

CABLE WITH CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE CABLES

MISCELLANEOUS PRODUCTS

TECHNICAL APPENDIX

SiHFC-Si-J/-O



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Material inner sheath	silicone rubber
Screen	copper braid, tinned
Screen coverage	85 %
Sheathing material	silicone rubber
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	5 x DA
Bending radius, moving application	10 x DA

Application:

For connection of electrical appliances without mechanical stress at increased environmental temperatures, for example in steelworks, but also at low temperatures. Insulation and sheath are resistant to most oils, acids, lyes and oxidants. For indoor and outdoor use. The cable is designed for use in EMC-sensitive applications.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
034551	02X0.75	RT	62.0	9.2	132.0
031574	03G0.75	RT	69.1	9.6	145.0
031894	04G0.75	RT	86.0	10.7	180.0
033728	05G0.75	RT	95.2	11.6	208.0
032639	07G0.75	RT	113.3	12.3	244.0
036099	12G0.75	RT	180.3	15.2	356.0
036100	18G0.75	RT	282.1	18.0	494.0
036101	25G0.75	RT	297.4	20.8	600.0
034552	02X1	RT	67.0	9.6	145.0
033737	03G1	RT	86.2	10.0	160.0
032889	04G1	RT	97.0	11.4	206.0
033729	05G1	RT	110.0	12.3	237.0
032890	07G1	RT	142.0	13.0	278.0
035184	12G1	RT	254.0	16.0	423.0
036102	18G1	RT	297.4	18.5	558.0
031895	24G1	RT	325.0	21.8	780.0
036049	25G1	RT	386.0	21.8	813.0
034553	02X1.5	RT	88.0	11.1	192.0
031951	03G1.5	RT	103.5	11.5	212.0
032322	04G1.5	RT	132.0	12.3	244.0
033730	05G1.5	RT	149.0	13.1	285.0
032637	07G1.5	RT	193.4	13.9	330.0
031806	12G1.5	RT	298.0	17.6	534.0
034858	18G1.5	RT	394.0	21.3	775.0
035140	25G1.5	RT	488.2	27.0	870.0
034554	02X2.5	RT	123.0	12.3	238.0
034764	03G2.5	RT	148.0	13.2	289.0
032789	04G2.5	RT	189.0	14.1	334.0
032043	05G2.5	RT	214.9	15.1	393.0
032319	04G4	RT	294.0	16.4	466.0
033731	05G4	RT	374.0	17.8	557.0
033482	04G6	RT	449.0	18.5	614.0
033732	05G6	RT	563.0	20.5	749.0
033744	04G10	RT	759.0	24.1	978.0
033745	04G16	RT	1180.0	26.2	1285.0
033746	04G25	RT	1236.0	31.7	1966.0
036103	04G35	RT	1564.0	33.8	3150.0

SiHF/GLS-P



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Covering	braided glass fibres
Armour	round or flat steel wires, galvanized
Sheathing material	silicone rubber
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Radiation resistance	20 x 10exp6 cJ/kg
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	10 x DA
Nominal voltage U₀	300 V

Application:

For the connection of electrical appliances at high mechanical stress at increased environmental temperatures, for example in steelworks, but also at low temperatures. Insulation and sheath are resistant to most oils, greases, acids, lyes and oxidants.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032325	02X0.75	SD	14.4	7.9	84.0
032326	03G0.75	SD	21.6	8.3	95.0
032327	04G0.75	SD	29.0	9.3	116.0
032328	05G0.75	SD	36.0	10.1	140.0
032033	07G0.75	SD	50.0	10.7	177.0
032329	02X1	SD	19.2	7.9	91.0
032330	03G1	SD	29.0	8.9	110.0
031748	04G1	SD	38.4	9.4	142.0
032331	05G1	SD	48.0	10.4	155.0
031936	07G1	SD	67.2	11.1	197.7
032332	02X1.5	SD	29.0	9.1	119.0
032333	03G1.5	SD	43.2	9.5	137.0
032079	04G1.5	SD	58.0	10.3	170.0
032334	05G1.5	SD	72.0	11.1	193.0
032292	07G1.5	SD	101.0	12.1	198.0
032023	12G1.5	SD	173.0	15.5	328.0
035712	18G1.5	SD	259.2	18.7	440.0
032309	24G1.5	SD	346.0	21.5	600.0
032336	02X2.5	SD	48.0	10.7	175.0
032337	03G2.5	SD	72.0	11.2	194.0
031970	04G2.5	SD	96.0	12.1	278.0
032338	05G2.5	SD	120.0	13.3	304.0
032340	07G2.5	SD	168.0	14.4	368.0
032343	04G4	SD	154.0	14.9	359.0
032324	05G4	SD	192.0	16.1	435.0
032344	07G4	SD	269.0	17.5	559.0
032347	04G6	SD	230.4	18.1	508.0
032348	05G6	SD	288.0	19.4	615.0
032349	04G10	SD	384.0	22.1	925.0
032350	04G16	SD	614.4	26.1	1235.0
034669	04G25	SD	960.0	30.4	1700.0

H05SS-F



Standard	EN 50525-2-83
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Sheathing material	silicone rubber
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	4 x DA
Nominal voltage U_o	300 V
Nominal voltage U	500 V

Application:

For connection of mobile electrical appliances with low mechanical stress at increased ambient temperatures, for example in steelworks or sauna, but also at low temperatures. Insulation and sheath are resistant to most oils, greases, acids, lyes and oxidants. For fixed installation in mechanically protected conduits. For indoor and outdoor use. The sheath has enhanced performance in terms of tearing, breaking and notch strength (EWKF).

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033448	02X0.75	SW	14.4	7.4	57.0
033449	03G0.75	SW	22.0	7.2	71.0
033450	04G0.75	SW	29.0	7.8	90.0
033451	05G0.75	SW	36.0	9.9	109.0
033452	02X1	SW	19.2	8.0	67.0
033453	03G1	SW	29.0	8.5	84.0
033454	04G1	SW	38.4	9.3	101.0
033455	05G1	SW	48.0	10.3	125.0
032873	03G1.5	SW	43.2	9.1	114.0
033459	02X2.5	SW	48.0	12.6	149.0
033460	04G2.5	SW	96.0	14.8	209.0
033461	05G2.5	SW	120.0	16.3	255.0

H05SS-F (UL)



Standard	EN 50525-2-83
Specification/Standard	HD 525/UL 4476
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Sheathing material	silicone rubber
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-60 - +180 °C
Bending radius, fixed installation	5 x DA

Application:

For connection of mobile electrical appliances with low mechanical stress at increased ambient temperatures, for example in steelworks or sauna, but also at low temperatures. Insulation and sheath are resistant to most oils, greases, acids, lyes and oxidants. For fixed installation in mechanically protected conduits. For indoor and outdoor use. The sheath has enhanced performance in terms of tearing, breaking and notch strength (EWKF).

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
036247	02X AWG 16 (02X1.5)	SW	29.0	8.7	95.0
036248	03G AWG 16 (03G1.5)	SW	43.2	9.2	123.0
036249	04G AWG 16 (04G1.5)	SW	58.0	10.0	139.0
036250	05G AWG 16 (05G1.5)	SW	72.0	10.9	165.0
036251	03G AWG 14 (03G2.5)	SW	72.0	10.5	171.0
036252	04G AWG 14 (04G2.5)	SW	96.0	11.6	209.0
036253	05G AWG 14 (05G2.5)	SW	120.0	12.9	255.0

Livz6YYw



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	FEP
Sheathing material	special PVC-compound
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	200 °C
Permitted outer cable temperature, fixed	-20 - +90 °C
Bending radius, fixed installation	7.5 x DA
Nominal voltage U_o	300 V
Nominal voltage U	500 V

Application:

Universally applicable: Cable with wide range of applications in electronics, nuclear engineering, aviation, marine and military, heating devices and lighting. The insulation is flame-retardant and heat-resistant. For heavy duty use.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032904	02X0.75 FL	TR	14.4		56.0
032609	03G0.75	TR	22.0	5.0	66.0
032906	05G0.75	TR	36.0	6.2	91.0
035738	03G1.5	TR	43.2	6.4	71.0
035980	05G1.5	TR	72.0	8.0	119.0
032984	04G1.5 T	TR	58.0	7.0	144.0

Li2GYw (SiHYw PV/P)



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	silicone rubber
Sheathing material	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	180 °C
Permitted outer cable temperature, fixed	-40 - +90 °C
Permitted outer cable temperature, in motion/ during installation	5 - 90 °C
Bending radius, fixed installation	7.5 x DA
Nominal voltage U	24 V
Core identification	red, blue

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	Weight approx. kg/km
031847	02X1.5	SW	28.8	44.0
031848	02X2.5	SW	48.0	66.0

NYL



Standard	VDE 0283-1
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	4 x DA
Nominal voltage U ₀	5000 V
Nominal voltage U	10000 V

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032902	01X1.5	GE	14.4	7.5	59.0

FABER® THERM 145 (Single core)



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	cross-linked polyolefin-copolymer
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Ozone-resistant	yes
Maximum permitted conductor temperature	145 °C
Permitted outer cable temperature, fixed	-55 - +145 °C
Permitted outer cable temperature, in motion/ during installation	-35 - +120 °C
Bending radius, fixed installation	4 x DA
Bending radius, moving application	6 x DA

Application:

This electron beam cross-linked, halogen-free, insulated wire is used for the connection of lights, heating units and machines in environments with increased temperatures. In addition to a long working life and a high permissible conductor temperature it also ensures an increased current carrying capacity in comparison to conventional cables. Not for installation on ladders or trays. Ship approvals (GL, DNV, LRS, BV) can be provided on request.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040417	01X0.75	SW	7.2	2.2	11.0
040448	01X1	SW	10.0	2.5	14.0
040413	01X1.5	SW	14.4	3.0	21.0
040414	01X2.5	SW	24.0	3.7	32.0
040449	01X4	SW	38.4	4.3	48.0



FABER® THERM 145 (Single core)

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040435	01X6	SW	58.0	6.2	76.0
040430	01X10	SW	96.0	6.7	120.0
040441	01X16	SW	154.0	8.4	181.0
040442	01X25	SW	240.0	10.2	265.0
040443	01X35	SW	336.0	11.7	386.0
040389	01X50	SW	480.0	13.7	580.0
040444	01X70	SW	672.0	15.8	765.0
040348	01X95	SW	912.0	17.3	1040.0
040422	01X120	SW	1152.0	20.2	1273.0

FABER® THERM 145



Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	cross-linked polyolefin-copolymer
Sheathing material	cross-linked polyolefin-copolymer
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Ozone-resistant	yes
For outdoor use	yes
Maximum permitted conductor temperature	145 °C
Permitted outer cable temperature, fixed	-55 - +145 °C
Permitted outer cable temperature, in motion/ during installation	-35 - +120 °C

Application:

This electron beam cross-linked, halogen-free, insulated wire is used for the connection of lights, heating units and machines in environments with increased temperatures. In addition to a long working life and a high permissible conductor temperature it also ensures an increased current carrying capacity in comparison to conventional cables. Ship approvals (GL, DNV, LRS, BV) can be provided on request.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
040513	02X1.5	SW	29.0	7.8	69.0
040343	03G1.5	SW	43.2	8.3	96.0
040388	04G1.5	SW	58.0	9.1	120.0
040384	03G2.5	SW	72.0	9.9	140.0
040376	05G2.5	SW	120.0	12.2	235.0

(N)TMCGCWOEU 12/20 kV



Standard	VDE 0250-813 (with ref. to)
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber 3GI3
Electrical field control	inner and outer semiconducting rubber layer
Arrangement of protective conductors	copper spiral shield on each core
Torsion	+/- 25 °/m
Sheathing material	rubber (CR) 5GM3
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant	yes
Oil-resistant	EN 60811-2-1

Application:

Single core cables are used in short lengths, e.g. for the connection of switchgear cubicles and for the connection of mobile transformer substations. When laying and during operation, care should be taken to protect them from excessive mechanical stress. The outer semi-conducting layer must not be heated before removal.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
051277	01X50/16	RT	712.0	27.3	1200.0
051135	01X95/16	RT	1145.0	30.8	1690.0
051300	01X150/25	RT	1740.0	36.0	2510.0
051292	01X240/25	RT	2640.0	41.0	3540.0

(N)TSCGEWOEU MT PLUS 12/20 kV



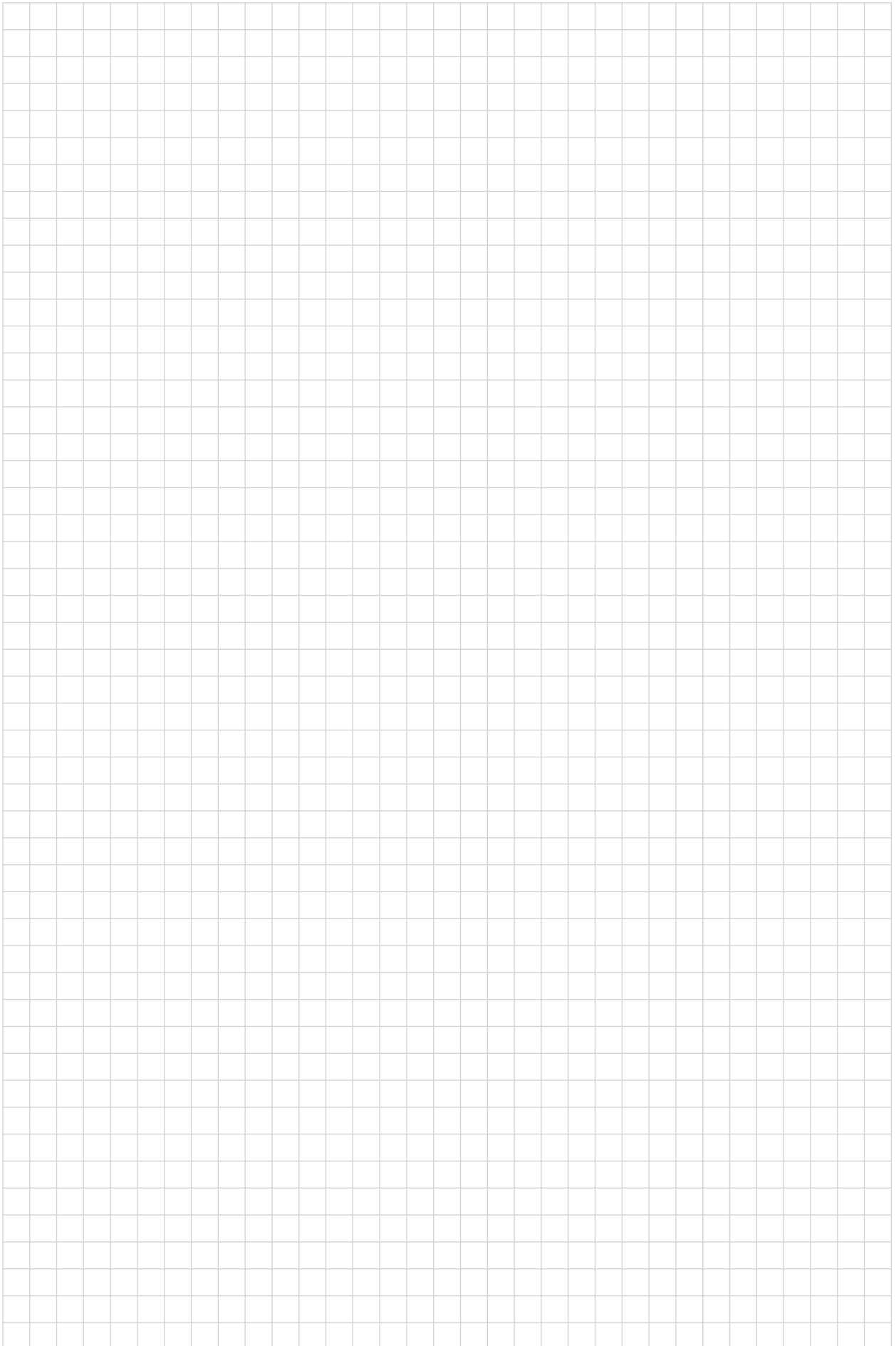
Standard	VDE 0250-813
Conductor material	tinned copper
Conductor class	class 5 = fine stranded
Insulation	rubber 3GI3
Electrical field control	inner and outer semiconducting rubber layer
Central filler	semiconductive compound on polyester support
Core wrapping	semiconductive tape
Arrangement of protective conductors	split into three elements in outer interstices
Material inner sheath	rubber GM1b
Torsion protection	polyester braid
Torsion	+/- 25 °/m
Sheathing material	rubber (CR) 5GM3

Application:

Flexible medium voltage reeling cable for high and extreme mechanical stress, e.g. torsional stress, deflection and high reeling speed. Other applications have to be agreed with Faber otherwise warranty may become void.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
051088	03X35 + 3X25/3	RT	1248.0	50.6	3690.0
051045	03X50 + 3X25/3	RT	1680.0	55.5	4640.0
051089	03X95 + 3X50/3	RT	3216.0	63.1	6660.0
051258	03X120 + 3X70/3	RT	4128.0	68.7	8200.0

NOTES





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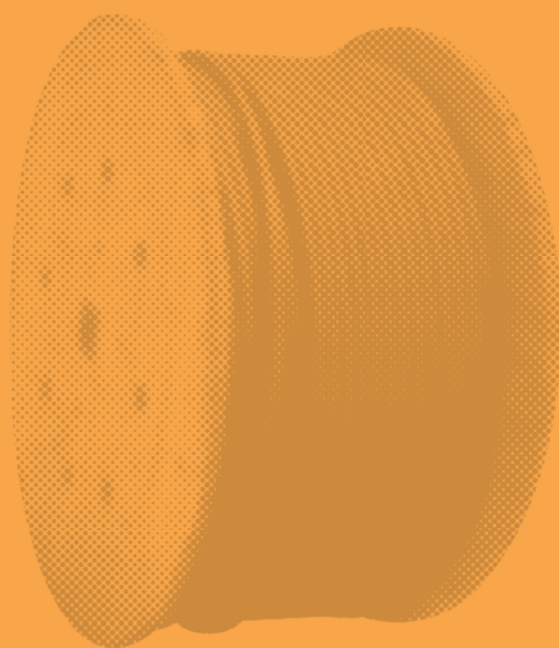
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I-YY



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0815
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC T11
Stranding unit	quads
Stranding	bunches
Sheathing material	PVC TM1
Colour outer sheath	grey RAL 7032
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C

Application:

Preferably for telecommunication installations inside buildings in dry and humid rooms, but also for permanent installation at external walls if protected from sunlight. These cables are not approved for high-voltage applications.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100039	02X2X0.6	GR	11.0	5.0	30.0
100040	04X2X0.6	GR	23.0	6.5	50.0
100041	06X2X0.6	GR	34.0	7.0	70.0
100042	10X2X0.6	GR	57.0	8.5	100.0
100150	20X2X0.6	GR	113.0	11.0	180.0
100152	30X2X0.6	GR	170.0	13.5	280.0
100153	40X2X0.6	GR	226.0	15.0	360.0
100066	100X2X0.6	GR	565.0	22.5	840.0

I-Y(St)Y ... Lg



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0815
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC T11
Stranding unit	pair
Stranding	layers
Screen over strand	foil
Drain wire	yes
Sheathing material	PVC TM1
Colour outer sheath	grey RAL 7032
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2

Application:

Preferably for telecommunication installations inside buildings in dry and humid rooms, but also for permanent installation at external walls if protected from sunlight. These cables are not approved for high-voltage applications.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100001	01X2X0.6	GR	7.0	5.0	30.0
100003	02X2X0.6	GR	13.0	5.5	35.0
100005	03X2X0.6	GR	18.0	6.3	50.0
100007	04X2X0.6	GR	24.0	6.8	55.0



Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100009	05X2X0.6	GR	30.0	7.2	65.0
100011	06X2X0.6	GR	35.0	7.5	75.0
100013	08X2X0.6	GR	46.0	8.0	90.0
100017	10X2X0.6	GR	58.0	9.0	110.0
100019	12X2X0.6	GR	71.0	9.5	130.0
100023	16X2X0.6	GR	93.0	10.5	155.0
100025	20X2X0.6	GR	116.0	11.0	200.0
100027	24X2X0.6	GR	139.0	11.5	235.0
100029	30X2X0.6	GR	172.0	13.0	275.0
100031	40X2X0.6	GR	229.0	15.0	350.0
100033	50X2X0.6	GR	286.0	17.0	445.0
100035	60X2X0.6	GR	342.0	18.0	520.0
100037	80X2X0.6	GR	455.0	20.5	675.0
100015	100X2X0.6	GR	568.0	23.0	870.0
100002	01X2X0.8	GR	11.0	6.0	40.0
100004	02X2X0.8	GR	21.0	7.0	55.0
100006	03X2X0.8	GR	31.0	8.5	80.0
100008	04X2X0.8	GR	41.0	9.0	95.0
100010	05X2X0.8	GR	52.0	9.5	115.0
100012	06X2X0.8	GR	62.0	10.5	130.0
100014	08X2X0.8	GR	82.0	11.5	160.0
100018	10X2X0.8	GR	102.0	13.0	205.0
100020	12X2X0.8	GR	123.0	14.0	240.0
100024	16X2X0.8	GR	164.0	15.5	300.0
100026	20X2X0.8	GR	204.0	16.5	380.0
100028	24X2X0.8	GR	244.0	19.0	445.0
100030	30X2X0.8	GR	304.0	20.0	540.0
100032	40X2X0.8	GR	405.0	22.5	710.0
100034	50X2X0.8	GR	506.0	25.5	875.0
100036	60X2X0.8	GR	606.0	28.0	1085.0
100038	80X2X0.8	GR	807.0	31.0	1440.0
100016	100X2X0.8	GR	1008.0	32.0	1790.0

Fire signalisation cable



CPR-performance acc. to EN 50575	on request
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC T11
Stranding unit	pair
Stranding	layers
Screen over strand	foil
Drain wire	yes
Sheathing material	PVC TM1
Colour outer sheath	red
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +70 °C

Application:

For the connection of telecommunication units inside buildings in and under plaster in dry and wet rooms. Also suitable for installation outdoors if the cable is protected from sunlight. By the special sheath imprint -Brandmeldekabel- this cable is particularly designed for the use in fire signalisation systems.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100947	01X2X0.8	RT	11.0	5.5	38.0
100056	02X2X0.8	RT	21.0	7.0	55.0
100057	04X2X0.8	RT	41.0	9.0	95.0



Fire signalisation cable

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100058	06X2X0.8	RT	62.0	10.5	130.0
100059	10X2X0.8	RT	102.0	13.0	205.0
100060	20X2X0.8	RT	204.0	16.5	380.0
100146	40X2X0.8	RT	405.0	22.0	710.0
100147	50X2X0.8	RT	506.0	25.5	875.0
100148	80X2X0.8	RT	807.0	31.0	1440.0
100144	100X2X0.8	RT	1008.0	32.0	1780.0

J-H(ST)H



CPR-performance acc. to EN 50575	Cca
Standard	VDE 0815
Conductor material	bare copper
Insulation	FRNC-compound HI1
Screen	plastic coated aluminium foil + solid copper drain wire
Sheathing material	FRNC-compound HM1
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	7.5 x DA
Coupling K1	300 pF

Application:

Low-smoke, zero-halogen communication cable with improved flame-retardance. Primarily for use in buildings with a high concentration of people or material assets. For the connection of communication units indoors in wet and dry rooms on and under plaster. For outdoor installation the cable must be protected from sunlight.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100294	02X2X0.6	GR	14.0	5.5	49.0
100295	04X2X0.6	GR	25.0	6.8	92.0
100296	06X2X0.6	GR	37.0	7.5	101.0
100297	10X2X0.6	GR	59.0	9.0	146.0
100298	20X2X0.6	GR	116.0	11.0	310.0
100299	30X2X0.6	GR	172.0	13.0	352.0
100300	40X2X0.6	GR	229.0	15.0	464.0
100301	50X2X0.6	GR	286.0	17.0	573.0
100302	60X2X0.6	GR	342.0	18.0	661.0
100303	80X2X0.6	GR	455.0	20.5	876.0
100304	100X2X0.6	GR	568.0	23.0	1056.0
100305	02X2X0.8	GR	25.0	7.0	69.0
100306	04X2X0.8	GR	45.0	9.0	136.0
100307	06X2X0.8	GR	65.0	10.5	152.0
100308	10X2X0.8	GR	106.0	13.0	230.0
100309	20X2X0.8	GR	206.0	16.5	508.0
100310	30X2X0.8	GR	307.0	20.0	599.0
100311	40X2X0.8	GR	407.0	22.5	787.0
100312	50X2X0.8	GR	508.0	25.5	973.0
100314	60X2X0.8	GR	608.0	28.0	1121.0
100315	100X2X0.8	GR	1010.0	32.0	1805.0

J-H(St)H Fire signalisation cable



CPR-performance acc. to EN 50575	Cca
Standard	VDE 0815 (with ref. to)
Conductor material	bare copper
Insulation	FRNC-compound HI1
Screen	foil
Drain wire	yes
Sheathing material	FRNC-compound HM1
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA

Application:

Low-smoke, zero-halogen communication cable with improved flame-retardance. Primarily for use in buildings with a high concentration of people or material assets. For connection of communication units indoors, in wet and dry rooms on and under plaster. By the special sheath printing -Brandmeldekabel- this cable is particularly designed for the use in fire signalisation systems.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100354	02X2X0.8	RT	25.0	7.0	69.0
100355	04X2X0.8	RT	45.0	9.0	136.0

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



Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	polyethylene
Stranding unit	quads
Stranding	bunches
Screen over strand	foil
Drain wire	yes
Sheathing material	PVC
Colour outer sheath	grey RAL 7032
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100210	02X2X0.6	GR	13.0	5.5	42.0
100211	04X2X0.6	GR	24.0	7.5	66.0
100212	06X2X0.6	GR	35.0	8.5	80.0
100213	10X2X0.6	GR	58.0	9.0	115.0
100214	20X2X0.6	GR	116.0	12.0	217.0



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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100215	30X2X0.6	GR	172.0	14.5	283.0
100216	40X2X0.6	GR	229.0	16.0	370.0
100217	50X2X0.6	GR	286.0	18.5	434.0
100218	60X2X0.6	GR	342.0	20.0	526.0
100220	100X2X0.6	GR	568.0	25.0	861.0

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



Conductor material	bare copper
Insulation	polyethylene
Stranding	bunched star-quads
Screen	foil
Drain wire	yes
Sheathing material	FRNC-compound HM2
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density	DIN EN 61034/IEC 61034
Permitted outer cable temperature, fixed	-5 - +50 °C
Impedance	100 Ohm
Insulation resistance	5000 MOhm·km
Transfer impedance	200 Ohm/km

Application:

Halogen-free and flame-retardant ISDN-system cable, for connection of telecommunication and IT-components up to 16 Mbit/s (cat. 3). For installation indoors, in and under plaster, in dry and wet rooms.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100454	02X2X0.6	GR	13.0	4.9	42.0
100390	04X2X0.6	GR	25.0	6.9	60.0
100471	06X2X0.6	GR	35.0	7.0	85.0
100470	10X2X0.6	GR	58.0	9.2	115.0
100521	20X2X0.6	GR	116.0	12.0	217.0
100536	30X2X0.6	GR	172.0	14.5	300.0
100537	40X2X0.6	GR	229.0	16.2	370.0
100522	50X2X0.6	GR	286.0	18.2	434.0
100523	60X2X0.6	GR	342.0	19.6	526.0
100538	80X2X0.6	GR	455.0	22.1	680.0
100520	100X2X0.6	GR	568.0	24.7	861.0

A-2Y(L)2Y 0.6 mm



Standard	VDE 0816
Conductor material	bare copper
Conductor class	solid
Insulation	polyethylene 2YI1
Stranding unit	quads
Stranding	bunched star-quads
Screen over strand	foil
Sheathing material	polyethylene 2YM1
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	no
Colour outer sheath	black

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110080	02X2X0.6	SW	11.0	9.0	80.0
110075	04X2X0.6	SW	23.0	11.0	120.0
110025	06X2X0.6	SW	34.0	12.0	130.0
110029	10X2X0.6	SW	57.0	13.5	155.0
110035	20X2X0.6	SW	113.0	16.0	240.0
110037	30X2X0.6	SW	170.0	18.0	310.0
110039	40X2X0.6	SW	226.0	20.0	385.0
110041	50X2X0.6	SW	283.0	21.0	460.0
110043	70X2X0.6	SW	396.0	25.0	605.0
110027	100X2X0.6	SW	565.0	28.0	870.0
110031	150X2X0.6	SW	848.0	33.0	1345.0
110033	200X2X0.6	SW	1131.0	38.0	1755.0
110083	300X2X0.6	SW	1696.0	44.5	2525.0

A-2Y(L)2Y 0.8 mm



Standard	VDE 0816
Conductor material	bare copper
Conductor class	solid
Insulation	polyethylene 2Y11
Stranding unit	quads
Stranding	bunched star-quads
Screen over strand	foil
Sheathing material	polyethylene 2YM1
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	no
Colour outer sheath	black

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110076	02X2X0.8	SW	20.0	9.0	90.0
110024	04X2X0.8	SW	40.0	12.0	140.0
110026	06X2X0.8	SW	60.0	13.0	160.0
110030	10X2X0.8	SW	101.0	15.0	205.0
110036	20X2X0.8	SW	201.0	18.5	355.0
110038	30X2X0.8	SW	302.0	21.0	475.0
110040	40X2X0.8	SW	402.0	23.0	600.0
110042	50X2X0.8	SW	503.0	26.0	745.0
110044	70X2X0.8	SW	704.0	29.0	1100.0
110028	100X2X0.8	SW	1005.0	34.0	1425.0
110032	150X2X0.8	SW	1508.0	40.0	2200.0
110034	200X2X0.8	SW	2011.0	44.0	2900.0

A-2YF(L)2Y 0.6 mm



Standard	VDE 0816
Conductor material	bare copper
Conductor class	solid
Insulation	polyethylene 2YI1
Stranding unit	quads
Stranding	bunched star-quads
Screen over stranding unit	foil
Sheathing material	polyethylene 2YM1
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
Colour outer sheath	black

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110077	02X2X0.6	SW	11.0	9.0	80.0
110079	04X2X0.6	SW	23.0	11.0	130.0
110001	06X2X0.6	SW	34.0	12.0	140.0
110005	10X2X0.6	SW	57.0	13.5	190.0
110011	20X2X0.6	SW	113.0	16.5	310.0
110016	30X2X0.6	SW	170.0	19.5	430.0
110018	40X2X0.6	SW	226.0	21.5	545.0
110020	50X2X0.6	SW	283.0	23.5	660.0
110022	70X2X0.6	SW	396.0	27.0	875.0
110003	100X2X0.6	SW	565.0	31.5	1225.0
110009	200X2X0.6	SW	1131.0	42.5	2315.0
110014	300X2X0.6	SW	1696.0	51.5	3480.0

A-2YF(L)2Y 0.8 mm



Standard	VDE 0816
Conductor material	bare copper
Conductor class	solid
Insulation	polyethylene 2Y11
Stranding unit	quads
Stranding	bunched star-quads
Screen over stranding unit	foil
Sheathing material	polyethylene 2YM1
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
Colour outer sheath	black

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110078	02X2X0.8	SW	20.0	10.0	100.0
110074	04X2X0.8	SW	40.0	13.0	175.0
110002	06X2X0.8	SW	60.0	13.5	200.0
110006	10X2X0.8	SW	101.0	15.5	280.0
110012	20X2X0.8	SW	201.0	20.0	485.0
110017	30X2X0.8	SW	302.0	23.0	675.0
110019	40X2X0.8	SW	402.0	26.5	885.0
110021	50X2X0.8	SW	503.0	28.5	1070.0
110023	70X2X0.8	SW	704.0	33.0	1420.0
110004	100X2X0.8	SW	1005.0	38.5	2000.0
110008	150X2X0.8	SW	1508.0	47.0	2935.0
110010	200X2X0.8	SW	2011.0	52.0	3800.0
110091	250X2X0.8	SW	2514.0	58.0	4590.0
110015	300X2X0.8	SW	3016.0	62.0	5480.0
110069	350X2X0.8	SW	3519.0	66.0	6350.0
110073	400X2X0.8	SW	4022.0	72.0	7350.0
110099	500X2X0.8	SW	5027.0	79.0	8920.0

A-02YSF(L)2Y ... St III Bd



Standard	VDE 0816
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	foam skin
Sheathing material	polyethylene
Bonded sheath	yes
UV-resistant	yes
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	7.5 x DA
Insulation resistance	5000 MOhm _x km
Coupling K1	400 pF
Coupling K9-12	100 pF

Application:

Subscriber line cable in local networks, for data and voice transmission. For installation outdoors, in the ground and in ducts.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110223	10X2X0.8	SW	101.0	15.5	245.0
110224	20X2X0.8	SW	201.0	19.7	420.0
110234	30X2X0.8	SW	302.0	20.0	496.0
110225	50X2X0.8	SW	503.0	28.9	950.0
110226	100X2X0.8	SW	1005.0	37.9	1705.0

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



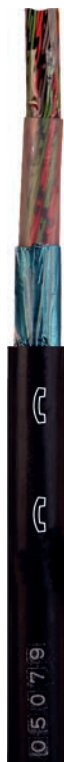
Standard	VDE 0816 (with ref. to)
Conductor material	bare copper
Conductor class	solid
Insulation	polyethylene 2Y11
Armour	steel tape, galvanized
Sheathing material	polyethylene 2YM2
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
UV-resistant	yes
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C

Application:

For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110268	04X2X0.8	SW	40.0	15.5	288.0
110236	10X2X0.8	SW	101.0	17.8	410.0
110237	20X2X0.8	SW	201.0	23.1	710.0
110240	50X2X0.8	SW	503.0	31.1	1280.0
110300	100X2X0.8	SW	1005.0	42.0	1985.0

A-02YS(St)(Zg)2Y 0.5 mm



Conductor material	bare copper
Conductor class	solid
Insulation	foam skin
Stranding	bunched star-quads
Screen	foil
Strength member	in outer sheath embedded glass yarns
Sheathing material	polyethylene
Flame-retardant	no
Permitted outer cable temperature, fixed	-20 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +70 °C
Bending radius, fixed installation	5 x DA
Insulation resistance	1000 MOhm \times km

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 ground over short distances. If necessary, they have to be protected mechanically.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110446	04X2X0.5	SW	17.0	11.0	100.0
110422	06X2X0.5	SW	28.0	12.0	115.0
110447	10X2X0.5	SW	43.0	13.0	145.0
110593	20X2X0.5	SW	83.0	16.0	220.0
110632	30X2X0.5	SW	122.0	17.0	285.0
110608	50X2X0.5	SW	201.0	21.0	420.0

A-02YSOF(L)2Y 0.8 mm



Standard	VDE 0816
Conductor material	bare copper
Conductor class	solid
Insulation	foam-PE
Sheathing material	polyethylene
Bonded sheath	yes
Transversely watertight	yes
Longitudinally watertight	yes
UV-resistant	yes
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	7.5 x DA
Insulation resistance	5000 MOhm \times km

Application:

For use as a connection cable in local voice and data transmission networks. For installation outdoors, in the ground, in cable ducts and cable pipes.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110213	10X2X0.8	SW	101.0	14.0	230.0
110231	20X2X0.8	SW	201.0	18.0	360.0
110301	30X2X0.8	SW	302.0	21.0	675.0
110232	50X2X0.8	SW	503.0	25.0	750.0
110233	100X2X0.8	SW	1005.0	32.0	1440.0

AJ-Y(St)YDY Bd



Standard	VDE 0816
Conductor material	bare copper
Conductor class	solid
Insulation	PVC
Stranding unit	pair
Stranding	bunches
Screen	copper wires
Screen over strand	plastic coated Al-foil + solid copper drain wire, tinned
Sheathing material	PVC
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +70 °C

Application:

For signal transmission in telecommunication systems or measurement, control and data systems where interference or disruption from high-voltage systems is to be expected. For permanent installation indoors and outdoors as well as in the ground. The instructions in VDE 0891 T. 6 and VDE 0845 T. 1 must be complied with.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110198	02X2X0.8	SW	193.0	12.5	300.0
110163	04X2X0.8	SW	213.0	15.1	350.0
110200	08X2X0.8	SW	253.0	17.5	440.0
110165	12X2X0.8	SW	294.0	19.5	495.0
110201	20X2X0.8	SW	374.0	22.5	630.0
110214	40X2X0.8	SW	575.0	28.5	1020.0
110285	48X2X0.8	SW	661.0	30.2	1190.0

A-Y(St)Yoe



Standard	VDE 0816
Conductor material	tinned copper
Conductor class	class 1 = solid
Insulation	PVC
Stranding unit	core
Stranding	layers
Screen over stranding unit	plastic coated Al-foil + copper drain wire, tinned
Drain wire	yes
Sheathing material	special PVC-compound
Colour outer sheath	black
UV-resistant	yes
Oil-resistant	EN 60811-2-1

Application:

These data transmission cables are used for connections between petrol pumps and the cash register respective price display. The cable is largely oil- and fuel-resistant. For fixed installation in buildings, outdoors as well as in ground without mechanical stress.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
110184	04X0.75	SW	36.0	9.1	144.0
110179	08X0.75	SW	65.0	10.8	222.0

RD-Y(St)Y



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 2, 7-wired construction
Insulation	PVC
Suitable for Maxi-Termi-Point applications	yes
Screen over strand	foil
Drain wire	yes
Sheathing material	PVC
Colour outer sheath	grey
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-5 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C

Application:

In measuring and control circuits of industrial installations for transfer of analogue and digital data up to 10 kHz. For fixed installation inside buildings. The version with blue outer sheath is suitable for application in intrinsically safe circuits.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100928	01X2X0.5	GR	15.0	5.5	35.0
100443	02X2X0.5	GR	25.0	6.1	60.0
100445	04X2X0.5	GR	45.0	8.1	95.0
100446	08X2X0.5	GR	85.0	11.5	157.0
100447	12X2X0.5	GR	125.0	13.1	229.0
100448	16X2X0.5	GR	165.0	13.7	290.0
100394	24X2X0.5	GR	245.0	16.3	422.0
100449	32X2X0.5	GR	325.0	21.1	535.0
100450	48X2X0.5	GR	485.0	23.1	796.0
100395	96X2X0.5	GR	965.0	30.5	1410.0
100929	01X2X0.5	BL	15.0	5.5	35.0
100602	02X2X0.5	BL	25.0	6.1	60.0
100580	04X2X0.5	BL	45.0	8.1	95.0
100501	08X2X0.5	BL	85.0	11.5	157.0
100958	12X2X0.5	BL	125.0	13.1	229.0
100723	16X2X0.5	BL	165.0	13.7	290.0

RD-H(St)H



Conductor material	bare copper
Conductor class	class 2 = stranded
Insulation	FRNC-compound HI1
Screen	foil
Drain wire	yes
Sheathing material	FRNC-compound HM1
Colour outer sheath	grey
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	0 - 70 °C
Bending radius, fixed installation	7.5 x DA
Nominal voltage U	225 V

Application:

In measuring and control circuits of industrial installations for transfer of analogue and digital data up to 10 kHz. For fixed installation inside buildings.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100976	02X2X0.5	GR	25.0	7.0	65.0
100977	04X2X0.5	GR	46.0	9.0	110.0
100978	08X2X0.5	GR	86.0	12.5	138.0
100979	12X2X0.5	GR	127.0	13.5	265.0
100980	16X2X0.5	GR	167.0	14.0	335.0

RD-Y(St)Yv



Conductor material	bare copper
Conductor class	class 2, 7-wired construction
Insulation	PVC
Screen	plastic coated aluminium foil + solid copper drain wire
Drain wire	yes
Sheathing material	PVC, enforced
Colour outer sheath	grey RAL 7032
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA
Insulation resistance	100 MOhm x km

Application:

In measuring and control circuits of industrial installations for transfer of analogue and digital data up to 10 kHz. For fixed installation inside buildings, outdoors and for direct burial. The cable may be used for Maxi-Termi-Point connections.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
101026	02X2X0.5	GR	25.0	8.0	80.0
100982	04X2X0.5	GR	45.0	10.9	142.0

RE-2X(St)Yv-fl



Standard	EN 50288-7
Conductor material	bare copper
Conductor class	class 2, 7-wired construction
Insulation	XLPE
Stranding unit	pair
Stranding	pairs in layers
Screen over strand	foil
Drain wire	yes
Sheathing material	PVC
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Permitted outer cable temperature, fixed	-20 - +70 °C
Bending radius, fixed installation	7.5 x DA

Application:

For data communication with transmission rates up to 200 kBit/s in MSR- and EDP systems. Transmission characteristics are guaranteed by high-quality stranding and screening. For fixed installation in dry and damp areas as well as in the ground.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100627	01X2X0.5	BL	15.0	7.3	70.0
100629	02X2X0.5	BL	30.0	9.7	98.0
100630	04X2X0.5	BL	46.0	10.9	130.0
100635	16X2X0.5	BL	165.0	17.2	340.0
100637	01X2X0.75	BL	25.0	7.7	80.0
100564	02X2X0.75	BL	47.0	10.4	101.0
100639	04X2X0.75	BL	64.0	11.7	160.0
100642	08X2X0.75	BL	125.0	14.4	278.0
100643	12X2X0.75	BL	184.0	16.8	344.0
100645	16X2X0.75	BL	245.0	18.8	430.0
100647	24X2X0.75	BL	370.0	22.1	610.0
100650	01X2X1.3	BL	34.0	8.4	102.0
100651	01X3X1.3	BL	50.0	10.0	110.0
100562	02X2X1.3	BL	60.0	11.6	125.0
100653	04X2X1.3	BL	114.0	13.2	220.0
100657	08X2X1.3	BL	218.0	16.4	360.0
100563	12X2X1.3	BL	322.0	19.2	488.0
100659	16X2X1.3	BL	426.0	21.6	622.0
100660	24X2X1.3	BL	684.0	26.1	912.0
100628	01X2X0.5	SW	15.0	7.3	70.0
100619	02X2X0.5	SW	30.0	9.7	98.0
100631	04X2X0.5	SW	46.0	10.9	130.0
100623	12X2X0.5	SW	130.0	15.4	266.0
100638	01X2X0.75	SW	25.0	7.7	80.0
100518	02X2X0.75	SW	47.0	10.4	101.0
100626	04X2X0.75	SW	64.0	11.7	160.0
100530	08X2X0.75	SW	125.0	14.4	278.0
100644	12X2X0.75	SW	184.0	16.8	344.0
100646	16X2X0.75	SW	245.0	18.8	430.0
100624	24X2X0.75	SW	370.0	22.1	610.0
100615	01X2X1.3	SW	34.0	8.4	102.0
100652	01X3X1.3	SW	50.0	10.0	110.0
100589	02X2X1.3	SW	60.0	11.6	125.0
100654	04X2X1.3	SW	114.0	13.2	220.0
100658	08X2X1.3	SW	218.0	16.4	360.0
100603	12X2X1.3	SW	322.0	19.2	488.0
100587	16X2X1.3	SW	426.0	21.6	622.0
100479	24X2X1.3	SW	684.0	26.1	912.0

RE-2X(St)Yv-fl PiMF



Standard	EN 50288-7
Conductor material	bare copper
Conductor class	strand, 7-wired construction
Insulation	XLPE
Screen over stranding unit	foil
Screen over strand	foil
Drain wire	yes
Sheathing material	PVC, enforced
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA

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, outdoors and direct burial in the ground.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100664	02X2X0.5	SW	35.0	10.7	120.0
100666	04X2X0.5	SW	62.0	12.1	160.0
100671	12X2X0.5	SW	176.0	17.4	340.0
100675	24X2X0.5	SW	348.0	23.0	580.0
100679	02X2X0.75	SW	47.0	11.4	140.0
100681	04X2X0.75	SW	82.0	13.0	190.0
100685	08X2X0.75	SW	160.0	16.1	310.0
100687	12X2X0.75	SW	237.0	18.8	410.0
100689	16X2X0.75	SW	315.0	21.1	530.0
100691	24X2X0.75	SW	470.0	25.5	760.0
100560	02X2X1.3	SW	68.0	12.6	135.0
100495	04X2X1.3	SW	124.0	14.4	220.0
100561	08X2X1.3	SW	239.0	18.0	389.0
100697	12X2X1.3	SW	353.0	21.3	580.0
100590	16X2X1.3	SW	468.0	24.3	719.0
100700	24X2X1.3	SW	697.0	29.0	1090.0
100663	02X2X0.5	BL	35.0	10.7	120.0
100665	04X2X0.5	BL	62.0	12.1	160.0
100670	12X2X0.5	BL	176.0	17.4	340.0
100674	24X2X0.5	BL	348.0	23.0	580.0
100678	02X2X0.75	BL	47.0	11.4	140.0
100680	04X2X0.75	BL	82.0	13.0	190.0
100684	08X2X0.75	BL	160.0	16.1	310.0
100686	12X2X0.75	BL	237.0	18.8	410.0
100688	16X2X0.75	BL	315.0	21.1	530.0
100690	24X2X0.75	BL	470.0	25.5	760.0
100620	02X2X1.3	BL	68.0	12.6	135.0
100565	04X2X1.3	BL	124.0	14.4	220.0
100695	08X2X1.3	BL	239.0	18.0	389.0
100696	12X2X1.3	BL	353.0	21.3	580.0
100698	16X2X1.3	BL	468.0	24.3	719.0
100699	24X2X1.3	BL	697.0	29.0	1090.0

RE-2Y(St)Yv 0.5 sqmm



CPR-performance acc. to EN 50575	on request
Conductor material	bare copper
Conductor class	class 2, 7-wired construction
Insulation	polyethylene
Suitable for Maxi-Termi-Point applications	yes
Screen	plastic coated aluminium foil + solid copper drain wire
Sheathing material	PVC TM1
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +50 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA
Insulation resistance	5 MOhm x km

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, outdoors and direct burial in the ground.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100777	01X2X0.5	SW	15.0	8.2	74.0
100778	02X2X0.5	SW	30.0	10.2	117.0
100727	04X2X0.5	SW	50.0	11.0	138.0
100780	08X2X0.5	SW	90.0	13.8	210.0
100728	12X2X0.5	SW	130.0	15.7	273.0
100782	16X2X0.5	SW	170.0	17.5	348.0
100729	24X2X0.5	SW	250.0	20.2	467.0
100804	01X2X0.5	BL	15.0	8.2	74.0
100805	02X2X0.5	BL	30.0	10.2	117.0
100806	04X2X0.5	BL	50.0	11.5	138.0
100808	08X2X0.5	BL	90.0	13.8	210.0
100810	12X2X0.5	BL	130.0	15.7	273.0
100811	16X2X0.5	BL	170.0	17.5	348.0
100813	24X2X0.5	BL	250.0	20.2	467.0

RE-2Y(St)Yv 0.75 sqmm



CPR-performance acc. to EN 50575	on request
Conductor material	bare copper
Conductor class	class 2, 7-wired construction
Insulation	polyethylene
Suitable for Maxi-Termi-Point applications	yes
Screen	plastic coated aluminium foil + solid copper drain wire
Sheathing material	PVC TM1
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +50 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA
Insulation resistance	5 MOhm x km

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, outdoors and direct burial in the ground.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100786	01X2X0.75	SW	20.0	7.9	72.0
100754	02X2X0.75	SW	35.0	10.6	127.0
100787	04X2X0.75	SW	65.0	11.8	167.0
100789	08X2X0.75	SW	125.0	14.6	262.0
100755	12X2X0.75	SW	185.0	17.1	353.0
100791	16X2X0.75	SW	245.0	19.1	443.0
100793	24X2X0.75	SW	365.0	23.2	615.0
100816	01X2X0.75	BL	20.0	7.9	72.0
100817	02X2X0.75	BL	35.0	10.6	127.0
100818	04X2X0.75	BL	65.0	11.8	167.0
100820	08X2X0.75	BL	125.0	14.6	262.0
100822	12X2X0.75	BL	185.0	17.1	353.0
100823	16X2X0.75	BL	245.0	19.1	443.0
100825	24X2X0.75	BL	365.0	23.2	615.0

RE-2Y(St)Yv 1.3 sqmm



CPR-performance acc. to EN 50575	on request
Conductor material	bare copper
Conductor class	class 2, 7-wired construction
Insulation	polyethylene
Suitable for Maxi-Termi-Point applications	yes
Screen	plastic coated aluminium foil + solid copper drain wire
Sheathing material	PVC TM1
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +50 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA
Insulation resistance	5 MOhm _x km

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, outdoors and direct burial in the ground.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100796	01X2X1.3	SW	31.0	9.4	102.0
100703	02X2X1.3	SW	62.0	11.7	161.0
100797	04X2X1.3	SW	114.0	13.5	230.0
100798	06X2X1.3	SW	168.0	16.1	310.0
100799	08X2X1.3	SW	218.0	17.1	376.0
100800	12X2X1.3	SW	322.0	19.3	515.0
100801	16X2X1.3	SW	426.0	22.1	654.0
100802	24X2X1.3	SW	684.0	26.5	951.0
100828	01X2X1.3	BL	31.0	9.4	102.0
100829	02X2X1.3	BL	62.0	11.7	161.0
100830	04X2X1.3	BL	114.0	13.5	230.0
100831	06X2X1.3	BL	168.0	16.1	310.0
100832	08X2X1.3	BL	218.0	17.1	376.0
100833	12X2X1.3	BL	322.0	19.3	515.0
100834	16X2X1.3	BL	426.0	22.1	654.0
100835	24X2X1.3	BL	684.0	26.5	951.0

RD-YwCYw



Conductor material	bare copper
Conductor class	class 2, 7-wired construction
Insulation	PVC YI 8
Screen	copper braid
Screen coverage	80 %
Sheathing material	PVC YM 4
Colour outer sheath	grey
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +90 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +90 °C
Bending radius, fixed installation	7.5 x DA
Insulation resistance	100 MOhm \times km

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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100930	01X2X0.5	GR	43.0	6.1	89.0
100931	02X2X0.5	GR	54.0	6.5	89.0

JE-Y(St)Y



CPR-performance acc. to EN 50575	Eca
Standard	VDE 0815
Conductor material	bare copper
Conductor class	solid
Insulation	PVC Y13
Core wrapping	plastic foil
Screen	plastic coated aluminium foil + solid copper drain wire
Sheathing material	PVC TM1
Colour outer sheath	grey RAL 7032, alternatively blue RAL 5015
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	7.5 x DA

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
101299	01X2X0.8	GR	15.0	5.2	41.0
100106	02X2X0.8	GR	25.0	7.0	60.0
100107	04X2X0.8	GR	45.0	9.0	96.0
100108	08X2X0.8	GR	85.0	11.5	158.0
100109	12X2X0.8	GR	126.0	14.0	235.0
100110	16X2X0.8	GR	166.0	15.5	295.0
100111	20X2X0.8	GR	206.0	16.5	355.0
100112	24X2X0.8	GR	246.0	19.0	430.0
100113	32X2X0.8	GR	327.0	21.0	555.0
100114	40X2X0.8	GR	407.0	22.5	670.0
100115	48X2X0.8	GR	488.0	26.6	740.0
101300	01X2X0.8	BL	15.0	5.2	41.0
100484	02X2X0.8	BL	25.0	7.0	60.0
100496	04X2X0.8	BL	45.0	9.0	96.0
100481	08X2X0.8	BL	85.0	11.5	158.0
101055	12X2X0.8	BL	126.0	14.0	235.0
101275	24X2X0.8	BL	246.0	19.0	430.0

JE-Y(St)Yv



Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC Y13
Screen	plastic coated aluminium foil + solid copper drain wire
Sheathing material	PVC, enforced
Colour outer sheath	grey
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	7.5 x DA
Nominal voltage U	225 V
Core identification	colours + rings

Application:

For signal transmission between electronic devices, in computer systems, process control units or office equipment. For installation in dry and wet rooms. The sheath is resistant to most frequently used oils.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
101064	02X2X0.8	SW	25.0	7.5	85.0
101065	04X2X0.8	SW	45.0	10.0	123.0
101066	08X2X0.8	SW	85.0	12.5	195.0
101067	12X2X0.8	SW	126.0	14.0	250.0
101068	20X2X0.8	SW	206.0	16.0	365.0
101364	02X2X0.8	BL	25.0	7.5	85.0
100721	04X2X0.8	BL	45.0	10.0	123.0
101365	08X2X0.8	BL	85.0	12.5	195.0
101366	12X2X0.8	BL	126.0	14.0	250.0
100500	20X2X0.8	BL	206.0	16.0	365.0

JE-Y(St)Y ... FR



Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC Y11
Screen	foil
Sheathing material	special PVC-compound
Colour outer sheath	grey
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA
Bending radius, moving application	15 x DA
Insulation resistance	100 MΩm·km

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100851	02X2X0.8	GR	25.0	6.5	60.0
100852	04X2X0.8	GR	45.0	8.0	90.0
100853	08X2X0.8	GR	85.0	10.5	150.0
100854	12X2X0.8	GR	126.0	11.5	200.0
100855	16X2X0.8	GR	166.0	12.5	260.0
100856	20X2X0.8	GR	206.0	16.5	315.0
100857	32X2X0.8	GR	327.0	19.0	510.0
100858	40X2X0.8	GR	407.0	20.0	610.0
100859	02X2X0.8	BL	25.0	6.5	60.0
100860	04X2X0.8	BL	45.0	8.0	90.0
100861	08X2X0.8	BL	85.0	10.5	150.0
100862	12X2X0.8	BL	126.0	11.5	200.0
100863	16X2X0.8	BL	166.0	12.5	260.0
100864	20X2X0.8	BL	206.0	16.5	315.0
100865	32X2X0.8	BL	327.0	19.0	510.0
100866	40X2X0.8	BL	407.0	20.0	610.0

JE-LiYCY



Standard	VDE 0815
Conductor material	bare copper
Conductor class	strand, 7-wired construction
Insulation	PVC
Screen	copper braid
Sheathing material	PVC
Colour outer sheath	grey
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	7.5 x DA
Insulation resistance	20 MΩ·km
Specific inductivity	0.65 mH/km

Application:

For signal transmission between electronic devices, in computer systems, process control or office equipment units with increased electromagnetic compatibility requirements. For installation in dry and wet rooms.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100125	02X2X0.5	GR	48.0	8.1	81.0
100126	04X2X0.5	GR	84.0	10.1	137.0
100127	08X2X0.5	GR	140.0	13.5	194.0
100128	12X2X0.5	GR	193.0	15.5	307.0
100202	16X2X0.5	GR	243.0	17.5	375.0
100130	20X2X0.5	GR	292.0	20.1	461.0
100131	24X2X0.5	GR	342.0	21.1	570.0
100132	32X2X0.5	GR	435.0	23.1	690.0
100133	40X2X0.5	GR	531.0	25.5	831.0
100230	02X2X0.5	BL	48.0	8.1	81.0
100234	04X2X0.5	BL	84.0	10.1	137.0
100231	08X2X0.5	BL	140.0	13.5	194.0
100248	12X2X0.5	BL	193.0	15.5	307.0
100194	16X2X0.5	BL	243.0	17.5	375.0
100249	20X2X0.5	BL	292.0	20.1	461.0
100250	24X2X0.5	BL	342.0	21.1	570.0
100251	32X2X0.5	BL	435.0	23.1	690.0

JE-LiHCH



Conductor material	bare copper
Conductor class	strand, 7-wired construction
Insulation	FRNC-compound HI1
Screen	copper braid
Screen coverage	70 %
Sheathing material	FRNC-compound HM2
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	7.5 x DA

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100556	02X2X0.5	GR	48.0	9.1	92.0
100557	04X2X0.5	GR	84.0	10.3	155.0
100558	08X2X0.5	GR	152.0	13.3	250.0
100742	12X2X0.5	GR	193.0	15.6	315.0
100743	16X2X0.5	GR	243.0	17.1	389.0
100744	20X2X0.5	GR	292.0	18.5	457.0
101009	24X2X0.5	GR	342.0	20.8	556.0
100745	32X2X0.5	GR	435.0	23.5	680.0
100746	40X2X0.5	GR	531.0	25.2	823.0
101093	48X2X0.5	GR	665.0	25.9	988.0

YR



Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	PVC
Sheathing material	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, fixed	-5 - +70 °C
Bending radius, fixed installation	7.5 x DA
Nominal voltage U	100 V

Application:

For fixed installation on or under plaster. Core identification: bk, bu, bn, ye, gn, vt, wh, tr, gy

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031841	02X0.8	WS	9.6	4.2	24.0
031656	03X0.8	WS	14.4	4.8	32.0
031424	04X0.8	WS	19.2	5.2	47.0
032934	05X0.8	WS	24.0	5.8	46.0
032080	06X0.8	WS	28.8	6.1	52.0
032124	08X0.8	WS	38.0	6.3	70.0
031842	10X0.8	WS	48.0	7.4	92.0
031438	12X0.8	WS	58.0	7.7	106.0
032138	16X0.8	WS	77.0	8.4	124.0

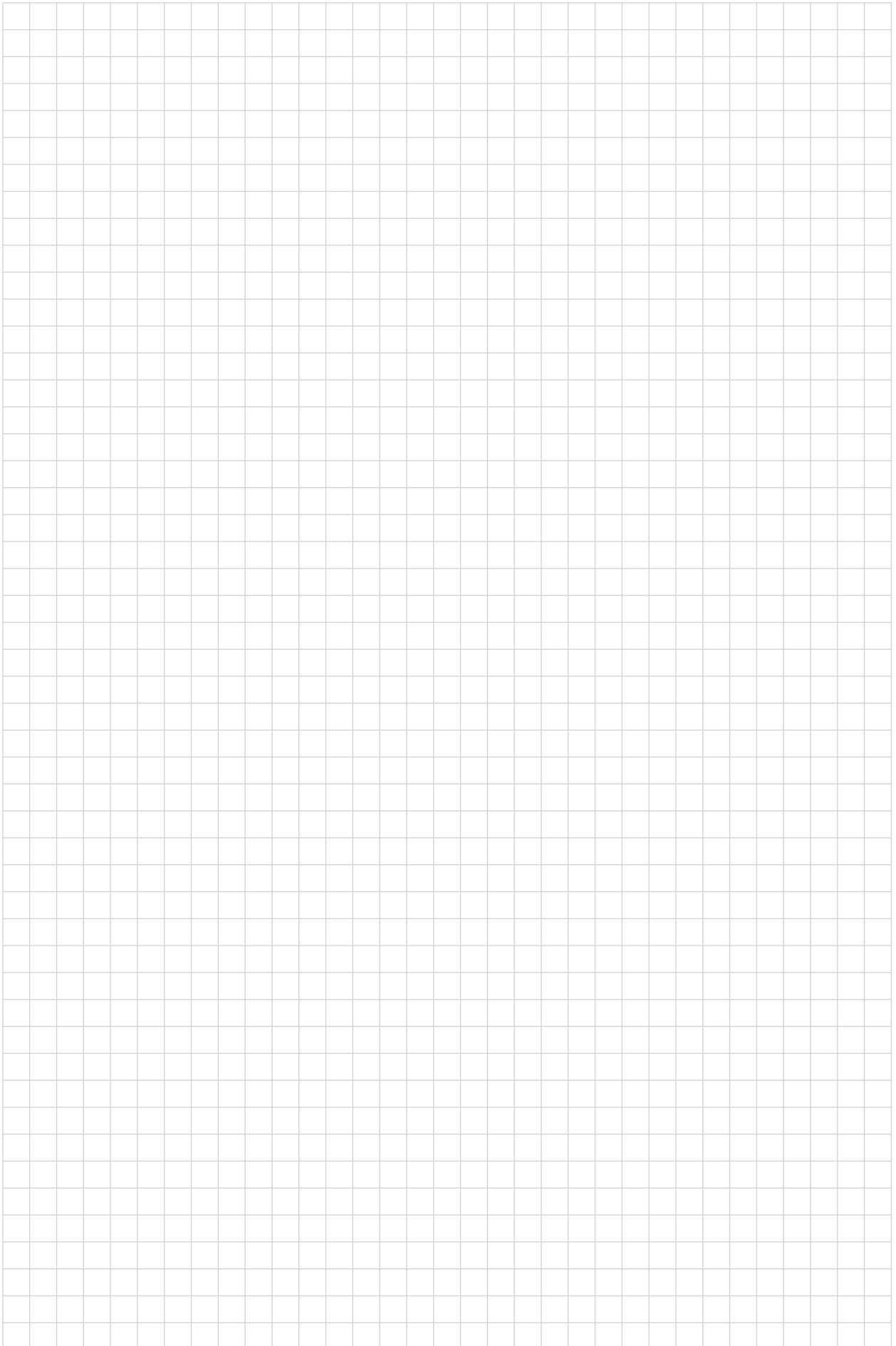
POWER CABLES
1 UP TO 30 KVBUILDING
WIRESFLEXIBLE
WIRESTELECOMMUNICATION
CABLESCONTROL AND
ELECTRONIC CABLESCABLE WITH
CIRCUIT INTEGRITY

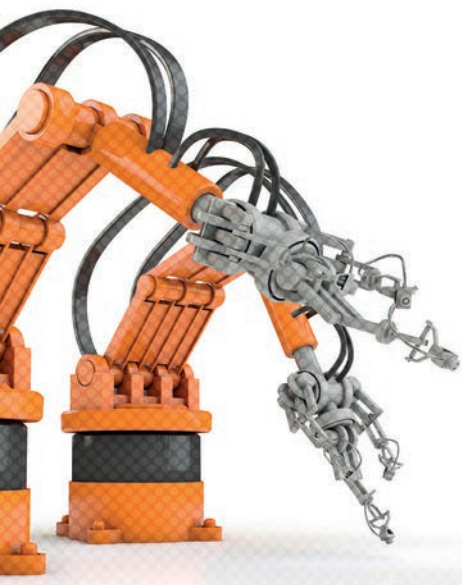
LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
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NOTES





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POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

FLEXIBLE
WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
ELECTRONIC CABLES

CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLES

MISCELLANEOUS
PRODUCTS

TECHNICAL
APPENDIX

YSLY-JZ



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC T11
Stranding unit	core
Sheathing material	PVC TM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	4 x DA

Application:

Universally applicable: Flexible power, process control and instrumentation cable for industrial applications and mechanical engineering for indoor applications. For installation in dry and damp rooms. The cable is resistant to most usual chemicals, oil and grease. Not suitable for constant motion.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030643	03X0.5	GR	14.4	5.1	47.0
030644	04X0.5	GR	19.2	5.7	58.0
030645	05X0.5	GR	24.0	6.2	75.0
030647	07X0.5	GR	33.6	6.8	93.0
030649	10X0.5	GR	48.0	8.6	142.0
030650	12X0.5	GR	58.0	8.8	150.0
030651	14X0.5	GR	67.0	9.5	172.0
030604	18X0.5	GR	86.0	10.5	216.0
030654	25X0.5	GR	120.0	12.6	257.0
030655	34X0.5	GR	163.0	14.6	398.0
030656	40X0.5	GR	192.0	15.4	452.0
030657	42X0.5	GR	202.0	16.2	471.0
030102	03X0.75	GR	22.0	5.6	66.0
030104	04X0.75	GR	29.0	6.4	78.0
030105	05X0.75	GR	36.0	7.0	91.0
030107	07X0.75	GR	50.4	7.5	124.0
031197	08X0.75	GR	58.0	8.2	143.0
030861	09X0.75	GR	64.8	8.7	162.0
030109	10X0.75	GR	72.0	9.8	185.0
030110	12X0.75	GR	86.4	10.0	191.0
030111	15X0.75	GR	108.0	11.2	229.0
030112	18X0.75	GR	130.0	11.8	283.0
030114	25X0.75	GR	180.0	13.8	388.0
031300	30X0.75	GR	216.0	15.2	445.0
030116	34X0.75	GR	245.0	15.8	546.0
030117	42X0.75	GR	302.0	17.5	673.0
030121	03X1	GR	29.0	6.1	68.0
030122	04X1	GR	38.4	7.0	85.0
030123	05X1	GR	48.0	7.6	110.0
030125	07X1	GR	67.0	8.2	146.0
030862	08X1	GR	76.8	9.2	148.0
030863	09X1	GR	86.4	9.5	178.0
030128	10X1	GR	96.0	10.7	210.0
030129	12X1	GR	115.2	10.8	232.0
030130	14X1	GR	134.4	11.4	271.0
031201	16X1	GR	154.0	12.1	300.0
030131	18X1	GR	173.0	13.1	328.0
030960	19X1	GR	183.0	13.2	346.0
030132	20X1	GR	192.0	13.7	357.0
030134	25X1	GR	240.0	16.3	531.0



Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030135	34X1	GR	326.4	17.7	618.0
030864	41X1	GR	395.0	19.2	715.0
030137	42X1	GR	403.0	19.3	731.0
030455	61X1	GR	586.0	22.5	1080.0
030141	03X1.5	GR	43.2	6.8	95.0
030142	04X1.5	GR	58.0	7.3	117.0
030143	05X1.5	GR	72.0	8.1	152.0
031957	06X1.5	GR	86.4	9.1	183.0
030144	07X1.5	GR	101.0	9.2	192.0
030716	08X1.5	GR	115.2	10.1	205.0
030704	09X1.5	GR	129.6	10.7	220.0
030531	10X1.5	GR	144.0	11.5	252.0
030148	12X1.5	GR	173.0	11.7	312.0
030149	14X1.5	GR	202.0	12.6	349.0
030150	18X1.5	GR	259.2	14.5	456.0
030152	25X1.5	GR	360.0	17.1	638.0
030153	32X1.5	GR	461.0	19.2	820.0
030154	34X1.5	GR	490.0	19.7	860.0
030155	42X1.5	GR	605.0	21.7	1052.0
030156	50X1.5	GR	720.0	23.7	1296.0
030456	61X1.5	GR	878.4	25.4	1502.0
031208	65X1.5	GR	936.0	26.3	1600.0
030158	03X2.5	GR	72.0	8.2	148.0
030159	04X2.5	GR	96.0	9.3	236.0
030160	05X2.5	GR	120.0	10.2	263.0
030161	07X2.5	GR	168.0	11.2	298.0
030169	12X2.5	GR	288.0	14.7	522.0
030163	14X2.5	GR	336.0	15.9	588.0
030164	18X2.5	GR	432.0	18.1	749.0
030165	25X2.5	GR	600.0	21.4	1024.0
030166	34X2.5	GR	816.0	24.6	1513.0
030576	42X2.5	GR	1008.0	27.1	1800.0
030167	50X2.5	GR	1200.0	29.9	2200.0
031214	03X4	GR	115.2	9.8	235.0
030546	04X4	GR	154.0	10.9	299.0
030593	05X4	GR	192.0	12.3	363.0
030597	07X4	GR	269.0	13.9	488.0
031215	03X6	GR	172.8	11.6	415.0
030602	04X6	GR	230.0	12.9	480.0
030594	05X6	GR	288.0	14.4	583.0
030598	07X6	GR	403.0	15.7	782.0
031216	03X10	GR	288.0	14.8	682.0
030590	04X10	GR	384.0	16.5	737.0
030595	05X10	GR	480.0	18.4	914.0
030607	07X10	GR	672.0	19.9	1191.0
034556	03X16	GR	461.0	16.9	827.0
030591	04X16	GR	614.0	19.6	1087.0
030596	05X16	GR	768.0	22.0	1370.0
030732	07X16	GR	1075.0	23.9	1779.0
030600	04X25	GR	960.0	23.8	1582.0
030608	05X25	GR	1200.0	27.5	1998.0
030601	04X35	GR	1344.0	28.8	2106.0
030606	05X35	GR	1680.0	31.8	2485.0
030592	04X50	GR	1920.0	34.9	2943.0
031913	05X50	GR	2400.0	38.3	3936.0

YSLY-OZ



Y-OZ 2x1,5 mm² FACAB 2230

CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC T11
Stranding unit	core
Sheathing material	PVC TM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	4 x DA

Application:

Universally applicable: Flexible power, process control and instrumentation cable for industrial applications and mechanical engineering for indoor applications. For installation in dry and damp rooms. The cable is resistant to most usual chemicals, oil and grease. Not suitable for constant motion.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030642	02X0.5	GR	9.6	4.8	40.0
030868	03X0.5	GR	14.4	5.1	47.0
030869	04X0.5	GR	19.2	5.7	58.0
030870	05X0.5	GR	24.0	6.2	75.0
030871	07X0.5	GR	33.6	6.8	93.0
030103	02X0.75	GR	15.0	5.4	56.0
030547	03X0.75	GR	22.0	5.6	66.0
030548	04X0.75	GR	29.0	6.4	78.0
030549	05X0.75	GR	36.0	7.0	91.0
030633	07X0.75	GR	50.4	7.5	124.0
030168	02X1	GR	19.2	5.6	57.0
030624	03X1	GR	29.0	6.1	68.0
030627	04X1	GR	38.4	7.0	85.0
030630	05X1	GR	48.0	7.6	110.0
030634	07X1	GR	67.0	8.2	148.0
030140	02X1.5	GR	29.0	6.4	78.0
030625	03X1.5	GR	43.2	6.8	95.0
030628	04X1.5	GR	58.0	7.3	117.0
030631	05X1.5	GR	72.0	8.1	152.0
030635	07X1.5	GR	101.0	9.2	192.0
031150	02X2.5	GR	48.0	7.7	115.0
030626	03X2.5	GR	72.0	7.9	148.0

YSLY-JB



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC T11
Stranding unit	core
Sheathing material	PVC TM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	4 x DA

Application:

Universally applicable: Flexible power, process control and instrumentation cable for industrial applications and mechanical engineering for indoor applications. For installation in dry and damp rooms. The cable is resistant to most usual chemicals, oil and grease. Not suitable for constant motion.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030865	03X0.5	GR	14.4	5.0	47.0
030866	04X0.5	GR	19.2	5.7	58.0
030867	05X0.5	GR	24.0	6.1	75.0
030612	03X0.75	GR	22.0	5.6	66.0
030616	04X0.75	GR	29.0	6.4	78.0
030620	05X0.75	GR	36.0	7.0	91.0
030613	03X1	GR	29.0	6.1	68.0
030617	04X1	GR	38.4	7.0	85.0
030621	05X1	GR	48.0	7.6	110.0
030614	03X1.5	GR	43.2	6.8	95.0
030618	04X1.5	GR	58.0	7.3	117.0
030622	05X1.5	GR	72.0	8.1	152.0
030615	03X2.5	GR	72.0	8.1	148.0
030619	04X2.5	GR	96.0	9.1	236.0
030623	05X2.5	GR	120.0	10.2	263.0
030695	04X4	GR	154.0	10.6	299.0
030694	05X4	GR	192.0	12.0	363.0
030783	04X6	GR	230.0	12.7	480.0
030693	05X6	GR	288.0	14.2	583.0
030784	04X10	GR	384.0	16.5	737.0
031223	05X10	GR	480.0	18.5	914.0
030785	04X16	GR	614.0	19.7	1087.0
031222	05X16	GR	768.0	21.8	1370.0
034222	03X25	GR	720.0	20.7	1388.0
030692	04X25	GR	960.0	23.4	1582.0
031221	05X25	GR	1200.0	25.8	1998.0
034223	03X35	GR	1008.0	24.6	1766.0
030786	04X35	GR	1344.0	28.6	2106.0
031220	05X35	GR	1680.0	31.6	2485.0
034224	03X50	GR	1440.0	30.3	2556.0
030787	04X50	GR	1920.0	34.6	2943.0
030788	04X70	GR	2688.0	42.2	4050.0
031339	04X95	GR	3648.0	46.7	5626.0
031340	04X120	GR	4608.0	52.2	6994.0

YSLY-OB



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC T11
Stranding unit	core
Sheathing material	PVC TM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	4 x DA

Application:

Universally applicable: Flexible power, process control and instrumentation cable for industrial applications and mechanical engineering for indoor applications. For installation in dry and damp rooms. The cable is resistant to most usual chemicals, oil and grease. Not suitable for constant motion.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031017	02X0.5	GR	9.6	4.8	40.0
031013	03X0.5	GR	14.4	5.2	47.0
030637	02X0.75	GR	15.0	5.3	56.0
031314	03X0.75	GR	22.0	5.8	66.0
033440	04X0.75	GR	29.0	6.1	67.3
030638	02X1	GR	19.2	5.6	57.0
031426	03X1	GR	29.0	6.1	68.0
030639	02X1.5	GR	29.0	6.2	78.0
031427	03X1.5	GR	43.2	7.3	95.0

YSLYC-YJZ



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC YI2
Material inner sheath	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	PVC TM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C

Application:

Universally applicable: Flexible power, process control and instrumentation cable for industry and machinery environment with increased electromagnetic compatibility requirements for indoor applications. For installation in dry and damp rooms. The cable is oil-resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030421	03X0.75	GR	69.2	7.7	145.0
030422	04X0.75	GR	87.0	8.2	163.0
030436	05X0.75	GR	95.1	9.4	183.0
030423	07X0.75	GR	111.0	9.6	233.0
030437	12X0.75	GR	180.2	12.5	384.0
030438	18X0.75	GR	243.0	14.1	492.0
030439	25X0.75	GR	312.0	16.1	671.0
030440	34X0.75	GR	413.0	18.2	822.0
030424	03X1	GR	77.0	8.3	156.0
030425	04X1	GR	97.0	8.6	178.0
030443	05X1	GR	108.0	9.3	209.0
030444	07X1	GR	128.3	10.1	255.0
030445	12X1	GR	210.0	13.0	426.0
030446	18X1	GR	286.0	14.9	552.0
030447	25X1	GR	388.5	17.2	766.0
030448	34X1	GR	505.0	20.0	973.0
030426	03X1.5	GR	102.0	9.1	200.0
030427	04X1.5	GR	117.0	9.6	247.0
030420	05X1.5	GR	146.0	10.6	304.0
030428	07X1.5	GR	196.0	11.5	393.0
030451	12X1.5	GR	280.0	14.8	615.0
030429	18X1.5	GR	389.0	17.2	793.0
030430	25X1.5	GR	535.0	20.8	1116.0
030454	50X1.5	GR	1006.0	26.5	1881.0
030431	03X2.5	GR	148.0	10.6	211.0
030733	04X2.5	GR	171.5	11.8	298.0
030534	05X2.5	GR	213.0	12.9	326.0
030535	07X2.5	GR	288.0	14.0	498.0
030579	12X2.5	GR	477.3	18.0	796.0
030581	18X2.5	GR	572.0	21.4	1080.0
035255	25X2.5	GR	780.0	24.7	1320.0
031319	04X4	GR	290.0	13.4	351.0
031312	05X4	GR	328.0	14.6	480.0
031336	04X6	GR	360.0	15.4	553.0
031344	05X6	GR	441.0	16.9	600.0
035059	03X10	GR	371.0	17.4	628.0
031335	04X10	GR	535.0	19.8	901.0
031345	05X10	GR	714.0	21.8	1048.0
031320	04X16	GR	910.0	22.5	1122.0
031346	05X16	GR	1050.0	25.6	1402.0
031347	04X25	GR	1310.0	28.5	1699.0
031348	05X25	GR	1486.0	31.9	2124.0

POWER CABLES
1 UP TO 30 KVBUILDING
WIRESFLEXIBLE
WIRESTELECOMMUNICATION
CABLESCONTROL AND
ELECTRONIC CABLESCABLE WITH
CIRCUIT INTEGRITY

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COAXIAL CABLES

OPTICAL FIBRE
CABLESMISCELLANEOUS
PRODUCTSTECHNICAL
APPENDIX

YSLYCY-OZ



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC YI2
Material inner sheath	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	PVC TM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C

Application:

Universally applicable: Flexible power, process control and instrumentation cable for industry and machinery environment with increased electromagnetic compatibility requirements for indoor applications. For installation in dry and damp rooms. The cable is oil-resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031341	02X0.75	GR	61.3	7.5	108.0
031599	03X0.75	GR	69.2	7.9	145.0
035172	04X0.75	GR	87.0	8.4	163.0
035173	05X0.75	GR	95.1	8.8	183.0
031342	02X1	GR	66.5	7.7	143.0
031746	03X1	GR	77.0	8.3	156.0
035174	05X1	GR	108.0	9.9	209.0
031343	02X1.5	GR	86.4	8.2	189.0
031916	03X1.5	GR	102.0	9.0	200.0

YSLYCY-JB



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC Y12
Material inner sheath	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	PVC TM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C

Application:

Universally applicable: Flexible power, process control and instrumentation cable for industry and machinery environment with increased electromagnetic compatibility requirements for indoor applications. For installation in dry and damp rooms. The cable is oil-resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031669	04X4	GR	290.0	12.7	320.0
031670	04X6	GR	360.0	15.7	470.0
031671	04X10	GR	535.0	19.2	740.0
031672	04X16	GR	910.0	22.9	1450.0
031673	04X25	GR	1310.0	28.4	1520.0
031674	04X35	GR	1693.0	33.5	2010.0
031675	04X50	GR	2342.0	40.5	2840.0
031586	04X70	GR	3090.0	47.5	3880.0
031587	04X95	GR	4060.0	53.2	5070.0
031676	04X120	GR	5299.0	55.2	6430.0

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APPENDIX

YSLCY-JZ



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	PVC
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C

Application:

Optimized control and instrumentation cable for industry and machinery environment with specific EMC (electromagnetic compatibility) requirements for indoor applications. The inner sheath has been replaced by a separating foil, hence diameter, bending radius and weight are less. For installation in dry and damp rooms. The cable is resistant to most commonly used chemicals, oil and grease.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033293	03X0.75	GR	50.0	6.5	69.0
033294	04X0.75	GR	61.0	7.1	88.0
033295	05X0.75	GR	72.0	7.8	120.0
033297	07X0.75	GR	98.0	8.6	153.0
033300	12X0.75	GR	151.0	11.1	220.0
033303	18X0.75	GR	211.0	12.9	306.0
033308	25X0.75	GR	280.0	15.6	431.0
032857	03X1	GR	76.0	7.4	100.0
033322	04X1	GR	80.0	7.6	117.0
032133	05X1	GR	92.0	7.8	127.0
033324	07X1	GR	120.0	9.1	178.0
033326	12X1	GR	186.0	12.4	275.0
032135	18X1	GR	271.0	13.9	380.0
033332	25X1	GR	360.0	18.0	607.0
033345	03X1.5	GR	90.0	7.7	115.0
033346	04X1.5	GR	110.0	8.3	149.0
032876	05X1.5	GR	125.0	9.4	180.0
033347	07X1.5	GR	152.0	10.7	230.0
033350	12X1.5	GR	268.0	13.5	354.0
033266	18X1.5	GR	373.0	15.8	523.0
033357	25X1.5	GR	530.0	20.3	722.0
033371	03X2.5	GR	148.0	9.1	180.0
033372	04X2.5	GR	174.0	10.2	220.0
032136	05X2.5	GR	203.0	10.9	270.0
033373	07X2.5	GR	253.0	13.7	342.0
033375	12X2.5	GR	441.0	18.2	580.0
033379	04X4	GR	248.0	12.9	306.0
033383	04X6	GR	343.0	14.7	422.0
033388	04X10	GR	535.0	18.9	731.0
033391	04X16	GR	809.0	20.8	993.0
033393	04X25	GR	1165.0	26.2	1570.0
033395	04X35	GR	1576.0	30.4	2070.0
033397	04X50	GR	2155.0	34.6	3015.0

YSLCY-OZ



Fig. similar



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	PVC
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C

Application:

Optimized control and instrumentation cable for industry and machinery environment with specific EMC (electromagnetic compatibility) requirements for indoor applications. The inner sheath has been replaced by a separating foil, hence diameter, bending radius and weight are less. For installation in dry and damp rooms. The cable is resistant to most commonly used chemicals, oil and grease.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032097	02X0.75	GR	43.0	6.2	57.0
032098	03X0.75	GR	53.0	6.5	66.0
032101	07X0.75	GR	98.0	8.6	156.0
033321	02X1	GR	55.0	6.7	76.0
033344	02X1.5	GR	65.0	7.3	93.0
033370	02X2.5	GR	98.0	8.3	141.0

H05VV5-F



CPR-performance acc. to EN 50575	Eca
Standard	EN 50525-2-51
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC TI2
Sheathing material	PVC TM5
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	60 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	5 - 50 °C

Application:

Flexible power, process control and instrumentation cable for industry and machinery environment for indoor applications. The cable is resistant to most commonly used chemicals, oil and grease.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031478	03G0.5	GR	14.4	6.5	51.0
031479	04G0.5	GR	19.2	7.1	62.0
031480	05G0.5	GR	24.0	7.7	75.0
031481	07G0.5	GR	33.6	9.5	117.0



H05VV5-F

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031483	12G0.5	GR	57.6	11.7	174.0
031493	03G0.75	GR	21.6	7.2	61.0
031494	04G0.75	GR	28.8	7.8	75.0
031495	05G0.75	GR	36.0	9.0	100.0
031496	07G0.75	GR	50.4	10.5	141.0
031498	12G0.75	GR	86.4	13.0	214.0
031500	18G0.75	GR	129.6	15.1	306.0
031501	25G0.75	GR	180.0	18.6	427.0
031509	03G1	GR	28.8	7.4	71.0
031510	04G1	GR	38.4	8.0	89.0
031511	05G1	GR	48.0	9.2	116.0
031512	07G1	GR	67.2	10.8	166.0
031514	12G1	GR	115.2	13.4	251.0
031516	18G1	GR	172.8	16.2	385.0
031517	25G1	GR	240.0	19.8	534.0
031519	34G1	GR	326.4	22.0	700.0
031525	03G1.5	GR	43.2	8.0	92.0
031526	04G1.5	GR	57.6	9.2	125.0
031527	05G1.5	GR	72.0	10.0	155.0
031528	07G1.5	GR	100.8	12.2	227.0
031530	12G1.5	GR	172.8	14.6	330.0
031532	18G1.5	GR	259.2	17.7	506.0
031533	25G1.5	GR	360.0	21.6	700.0
031537	50G1.5	GR	720.0	28.8	1320.0
031540	03G2.5	GR	72.0	9.7	146.0
031541	04G2.5	GR	96.0	11.0	196.0
031542	05G2.5	GR	120.0	12.1	235.0
031543	07G2.5	GR	168.0	14.2	343.0
031544	12G2.5	GR	288.0	17.7	535.0
031545	18G2.5	GR	432.0	21.3	800.0
031546	25G2.5	GR	600.0	25.9	1100.0

H05VVC4V5-K



CPR-performance acc. to EN 50575	Eca
Standard	EN 50525-2-51
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC YI2
Material inner sheath	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	PVC TM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1

Application:

Universally applicable: Flexible power, process control and instrumentation cable for industry and machinery environment with increased electromagnetic compatibility requirements for indoor applications. The cable is oil-resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031453	03G0.75	GR	55.0	9.1	125.0
031454	04G0.75	GR	67.0	10.3	150.0
031455	05G0.75	GR	79.0	11.0	180.0
031456	07G0.75	GR	109.0	12.4	230.0
031457	12G0.75	GR	184.5	15.2	310.0
031458	18G0.75	GR	257.3	18.2	470.0
031459	25G0.75	GR	318.6	21.5	640.0
031460	03G1	GR	75.0	9.6	140.0

 H05VVC4V5-K

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031461	04G1	GR	86.0	10.7	170.0
031462	05G1	GR	102.0	11.4	200.0
031463	07G1	GR	127.0	12.9	230.0
031464	12G1	GR	198.0	16.9	410.0
031465	18G1	GR	303.6	19.4	550.0
031466	25G1	GR	411.9	22.8	735.0
031467	03G1.5	GR	95.0	10.7	180.0
031468	04G1.5	GR	116.0	11.5	200.0
031469	05G1.5	GR	130.0	12.1	235.0
031470	07G1.5	GR	218.0	14.1	330.0
031471	12G1.5	GR	309.7	18.0	470.0
031472	18G1.5	GR	411.4	20.8	680.0
031473	25G1.5	GR	546.5	25.0	930.0
031474	03G2.5	GR	148.0	12.0	240.0
031475	04G2.5	GR	163.0	13.1	290.0
031476	05G2.5	GR	200.0	14.2	340.0
031477	07G2.5	GR	288.9	16.3	465.0
034737	12G2.5	GR	517.0	24.3	748.0
034738	18G2.5	GR	598.0	25.6	1051.0



YSLY-JZ 600



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Sheathing material	special PVC-compound
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	4 x DA

Application:

Flexible power, process control and instrumentation cable for industry, machinery and outdoor environment. The cable is resistant to UV-irradiation, to most commonly used chemicals and to oil and grease. Not suitable for constant motion.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033581	03X0.75	SW	22.0	8.7	91.0
033582	04X0.75	SW	29.0	9.2	120.0
033583	05X0.75	SW	36.0	9.9	134.0
033585	07X0.75	SW	50.4	11.1	177.0
033589	12X0.75	SW	86.4	13.4	248.0
033592	18X0.75	SW	130.0	15.6	350.0
033595	25X0.75	SW	180.0	18.9	478.0
033597	34X0.75	SW	245.0	21.5	626.0
033601	42X0.75	SW	302.4	23.3	760.0
033602	50X0.75	SW	360.0	25.6	871.0
033603	61X0.75	SW	439.2	28.2	1060.0
033608	03X1	SW	29.0	9.0	98.0
033609	04X1	SW	38.4	9.6	110.0



YSLY-JZ 600

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033610	05X1	SW	48.0	10.4	136.0
033612	07X1	SW	67.2	12.1	179.0
033615	10X1	SW	96.0	14.1	268.0
033616	12X1	SW	115.2	14.5	287.0
033619	18X1	SW	173.0	17.3	408.0
033623	25X1	SW	240.0	21.1	567.0
033640	03X1.5	SW	43.2	10.1	122.0
033641	04X1.5	SW	58.0	10.8	150.0
033477	05X1.5	SW	72.0	11.7	176.0
032045	07X1.5	SW	101.0	13.5	192.0
033647	12X1.5	SW	173.0	16.6	363.0
031832	18X1.5	SW	259.2	19.7	520.0
033653	25X1.5	SW	360.0	23.9	740.0
033665	03X2.5	SW	72.0	11.3	176.0
033666	04X2.5	SW	96.0	12.2	209.0
033478	05X2.5	SW	120.0	13.3	252.0
033667	07X2.5	SW	168.0	15.2	335.0
033669	12X2.5	SW	288.0	18.7	544.0
033671	18X2.5	SW	432.0	22.0	788.0
033673	25X2.5	SW	600.0	26.9	1101.0
033680	03X4	SW	115.2	12.6	225.0
033681	04X4	SW	154.0	14.0	311.0
033682	05X4	SW	192.0	15.3	398.0
033686	03X6	SW	173.0	14.2	365.0
033687	04X6	SW	230.4	15.7	429.0
033688	05X6	SW	288.0	17.9	602.0
033690	03X10	SW	288.0	18.7	655.0
033691	04X10	SW	384.0	19.5	759.0
033692	05X10	SW	480.0	23.0	927.0
033694	03X16	SW	461.0	19.7	695.0
033695	04X16	SW	614.4	21.9	1093.0
033479	05X16	SW	768.0	27.0	1583.0
033698	04X25	SW	960.0	30.0	1593.0
033702	04X35	SW	1344.0	33.0	2390.0
033705	04X50	SW	1920.0	40.0	3400.0
033706	05X50	SW	2400.0	42.0	4361.0
033709	05X70	SW	3360.0	47.0	5807.0
033711	04X95	SW	3648.0	41.2	6007.0
033712	05X95	SW	4560.0	62.5	7752.0
033713	04X120	SW	4608.0	65.0	7483.0

POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

FLEXIBLE
WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
ELECTRONIC CABLES

CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLES

MISCELLANEOUS
PRODUCTS

TECHNICAL
APPENDIX

YSLY-OZ 600



Fig. similar



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Sheathing material	special PVC-compound
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	4 x DA

Application:

Flexible power, process control and instrumentation cable for industry, machinery and outdoor environment. The cable is resistant to UV-irradiation, to most commonly used chemicals and to oil and grease. Not suitable for constant motion.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033580	02X0.75	SW	14.4	8.3	81.0
033607	02X1	SW	19.2	8.6	84.0
033639	02X1.5	SW	29.0	9.6	103.0
033664	02X2.5	SW	48.0	10.8	152.0

YSLYCY-JZ 600



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Material inner sheath	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	special PVC-compound
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	70 °C

Application:

Flexible power, process control and instrumentation cable for industry and machinery environment with specific EMC (electromagnetic compatibility) requirements. The cable is resistant to UV-irradiation, to most commonly used chemicals and to oil and grease. For indoor and outdoor application.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032061	03X0.75	SW	57.0	9.0	155.0
033195	04X0.75	SW	68.0	11.4	214.0
033196	05X0.75	SW	79.0	12.1	250.0
033197	07X0.75	SW	97.0	13.0	319.0
033198	12X0.75	SW	169.0	15.8	437.0
033199	18X0.75	SW	229.0	18.0	588.0




YSLCY-JZ 600

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033741	25X0.75	SW	296.0	22.8	746.0
033166	03X1	SW	67.0	11.2	196.0
033167	04X1	SW	97.0	11.8	231.0
033168	05X1	SW	108.0	12.6	270.0
032846	07X1	SW	122.0	14.5	289.0
033169	12X1	SW	204.0	17.4	493.0
033170	18X1	SW	280.0	20.7	658.0
033171	25X1	SW	369.0	24.8	870.0
032626	03X1.5	SW	87.0	10.9	187.0
033173	04X1.5	SW	104.0	12.2	265.0
032875	05X1.5	SW	125.0	13.3	289.0
033174	07X1.5	SW	180.0	16.0	416.0
034515	09X1.5	SW	224.0	16.3	482.0
033175	12X1.5	SW	284.0	19.6	641.0
033176	18X1.5	SW	391.0	23.4	872.0
033177	25X1.5	SW	521.0	28.2	1211.0
033179	03X2.5	SW	124.0	13.5	326.0
033180	04X2.5	SW	170.0	14.6	379.0
033181	05X2.5	SW	204.0	15.7	471.0
033182	07X2.5	SW	268.0	17.9	590.0
033183	12X2.5	SW	423.0	21.9	897.0
033184	18X2.5	SW	572.0	26.1	1355.0
033185	25X2.5	SW	740.0	31.9	1995.0
033202	04X4	SW	238.0	16.7	557.0
033203	05X4	SW	303.0	18.6	695.0
033214	03X6	SW	251.0	17.0	629.0
033204	04X6	SW	319.0	18.7	723.0
033205	05X6	SW	421.0	20.7	984.0
033209	04X10	SW	576.0	21.9	1267.0
033210	05X10	SW	620.0	24.1	1635.0
033218	04X16	SW	910.0	26.4	1763.0
033219	05X16	SW	1050.0	28.8	2720.0
033222	04X25	SW	1169.0	32.5	2750.0
033229	04X35	SW	1686.0	35.7	3497.0
033226	04X50	SW	2374.0	41.1	4937.0
033232	04X70	SW	3261.0	48.0	7480.0

YSLCY-OZ 600



Fig. similar



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Material inner sheath	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	special PVC-compound
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	70 °C

Application:

Flexible power, process control and instrumentation cable for industry and machinery environment with specific EMC (electromagnetic compatibility) requirements. The cable is resistant to UV-irradiation, to most commonly used chemicals and to oil and grease. For indoor and outdoor application.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033194	02X0.75	SW	46.0	8.7	143.0
033165	02X1	SW	52.0	10.8	174.0
033172	02X1.5	SW	69.0	10.2	162.0

2YSL(St)CYv



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	polyethylene
Screen	aluminium foil + copper braid, tinned
Screen coverage	75 %
Sheathing material	PVC, enforced
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C

Application:

This cable was specifically developed for the EMC-compliant connection of frequency converters. For uses with medium mechanical strain with permanent installation and occasional motion indoors and outdoors, but not in the ground. The version with the three-stranded protective conductor is thinner, lighter and distinguished by improved EMC-properties. The cable is largely oil-resistant.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031993	03X1.5 + 3X0.25	SW	86.0	10.2	140.0
031994	03X2.5 + 3X0.5	SW	144.0	11.4	220.0
031995	03X4 + 3X0.75	SW	224.0	13.1	323.0
031996	03X6 + 3X1	SW	298.0	14.9	420.0
031871	03X10 + 3X1.5	SW	511.0	18.4	615.0
031997	03X16 + 3X2.5	SW	723.0	21.6	819.0



 2YSL(St)CYv

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031870	03X25 + 3X4	SW	1204.0	25.3	1402.0
031998	03X35 + 3X6	SW	1535.0	27.8	1718.0
031999	03X50 + 3X10	SW	2208.0	32.6	2399.0
031869	03X70 + 3X10	SW	2980.0	38.9	3173.0
032000	03X95 + 3X16	SW	3953.0	44.3	4162.0
031868	03X120 + 3X16	SW	5007.0	46.8	5253.0
032001	03X150 + 3X25	SW	5412.0	53.5	6128.0
032002	03X185 + 3X35	SW	6969.0	59.5	7450.0
032130	03X240 + 3X50	SW	9123.0	70.0	10800.0
031719	04X1.5	SW	95.0	10.4	154.0
031720	04X2.5	SW	150.0	12.3	229.0
031721	04X4	SW	235.0	14.5	339.0
031712	04X6	SW	320.0	16.8	451.0
031722	04X10	SW	533.0	19.7	667.0
031723	04X16	SW	789.0	22.0	892.0
031724	04X25	SW	1236.0	27.0	1440.0
031713	04X35	SW	1663.0	30.3	1861.0
031725	04X50	SW	2345.0	35.0	2547.0
031727	04X70	SW	3196.0	39.4	3404.0
031714	04X95	SW	4316.0	46.0	4888.0
031728	04X120	SW	5435.0	51.4	5703.0
031715	04X150	SW	6394.0	58.8	7040.0
031729	04X185	SW	8203.0	61.1	9150.0
031730	04X240	SW	11008.0	70.0	12500.0

HSLH-JZ



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	FRNC-compound HI2
Sheathing material	FRNC-compound HM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA

Application:

Halogen-free and LSOH control cable for multiple purposes in control and measurement circuits indoors. The cable is to a large extent resistant to oil and grease.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031620	03X0.75	GR	22.0	6.0	66.0
031621	04X0.75	GR	29.0	6.5	78.0
031622	05X0.75	GR	36.0	7.0	91.0
031623	07X0.75	GR	50.4	7.5	124.0
031624	12X0.75	GR	86.4	10.2	191.0
031625	18X0.75	GR	130.0	11.9	283.0
031626	25X0.75	GR	180.0	14.6	388.0
031627	03X1	GR	29.0	6.4	68.0
031628	04X1	GR	38.4	7.0	85.0



HSLH-JZ

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031629	05X1	GR	48.0	7.8	110.0
031630	07X1	GR	67.0	8.1	148.0
031631	12X1	GR	115.2	11.1	232.0
031632	18X1	GR	173.0	13.4	328.0
031633	25X1	GR	240.0	16.2	531.0
032956	34X1	GR	326.0	17.4	688.0
031634	03X1.5	GR	43.2	7.3	95.0
031635	04X1.5	GR	58.0	7.8	117.0
031636	05X1.5	GR	72.0	8.9	152.0
031637	07X1.5	GR	101.0	9.8	192.0
031638	12X1.5	GR	173.0	13.2	312.0
031639	18X1.5	GR	259.2	15.9	456.0
031640	25X1.5	GR	360.0	17.2	638.0
031648	03X2.5	GR	72.0	9.0	148.0
031649	04X2.5	GR	96.0	10.0	236.0
031650	05X2.5	GR	120.0	11.0	263.0
031651	07X2.5	GR	168.0	12.7	298.0
031645	12X2.5	GR	288.0	16.5	522.0
031646	18X2.5	GR	432.0	18.4	749.0
032654	04X4	GR	154.0	11.7	305.0
031661	05X4	GR	192.0	13.2	363.0
032655	04X6	GR	230.4	14.1	465.0
032990	04X10	GR	384.0	18.0	746.0
032995	04X16	GR	614.0	20.6	1089.0
031663	04X25	GR	960.0	26.0	1582.0
033001	04X35	GR	1344.0	33.7	1980.0

HSLH-OZ



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	FRNC-compound HI2
Sheathing material	FRNC-compound HM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	15 x DA

Application:

Halogen-free and LSOH control cable for multiple purposes in control and measurement circuits indoors. The cable is to a large extent resistant to oil and grease.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032885	02X0.75	GR	14.4	5.5	33.0
032952	02X1	GR	19.2	5.7	58.0
032963	02X1.5	GR	29.0	6.3	87.0
032939	02X2.5	GR	48.0	7.7	124.0

HSLCH-JZ



Conductor material	bare copper strand
Conductor class	class 5 = fine stranded
Insulation	FRNC-compound HI2
Core wrapping	plastic foil
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	FRNC-compound HM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	yes

Application:

LSOH control cable for multiple purposes in control and measurement circuits with specific EMC (electromagnetic compatibility) requirements. For indoor use only. The cable is to a large extent resistant to oil and grease.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032749	03X0.75	GR	58.0	6.7	70.0
032750	04X0.75	GR	64.0	7.5	80.0
032751	05X0.75	GR	77.4	8.1	100.0
032752	07X0.75	GR	102.0	9.0	133.0
032753	12X0.75	GR	177.0	11.3	203.0
032159	18X0.75	GR	245.0	13.5	284.0
032160	25X0.75	GR	276.0	15.8	380.0
032755	03X1	GR	65.3	6.9	80.0
032756	04X1	GR	78.1	7.5	98.0
032757	05X1	GR	91.0	8.5	121.0
032758	07X1	GR	117.0	9.5	160.0
032759	12X1	GR	188.0	11.7	245.0
032760	18X1	GR	286.0	13.9	376.0
032761	25X1	GR	389.0	16.4	502.0
031889	03X1.5	GR	77.0	7.5	119.0
031867	04X1.5	GR	96.2	8.2	125.0
031860	05X1.5	GR	125.0	8.9	182.0
031890	07X1.5	GR	159.0	10.5	232.0
031891	12X1.5	GR	254.5	13.2	360.0
031892	18X1.5	GR	367.7	15.6	507.0
031893	25X1.5	GR	492.4	18.2	694.0
032763	03X2.5	GR	149.0	9.3	160.0
031819	04X2.5	GR	174.2	10.0	194.0
031852	05X2.5	GR	200.8	11.5	386.0
031854	07X2.5	GR	288.0	13.8	498.0
031973	12X2.5	GR	441.0	17.0	796.0
031843	04X4	GR	248.0	11.9	288.0
032161	05X4	GR	328.0	13.1	337.0
031856	04X6	GR	362.0	14.2	399.0
031853	05X6	GR	453.0	16.0	770.0
031820	04X10	GR	558.0	17.8	698.0
032772	05X10	GR	640.0	19.6	828.0
031857	04X16	GR	910.0	20.8	987.0
031858	04X25	GR	1289.0	26.2	1592.0
032040	04X35	GR	1690.0	33.5	2380.0
032129	04X50	GR	2325.0	39.2	3003.0
032656	04X70	GR	3089.0	45.3	4939.0
032657	04X95	GR	4013.0	52.4	6690.0

HSLCH-OZ



Conductor material	bare copper strand
Conductor class	class 5 = fine stranded
Insulation	FRNC-compound HI2
Core wrapping	plastic foil
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	FRNC-compound HM2
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	yes

Application:

LSOH control cable for multiple purposes in control and measurement circuits with specific EMC (electromagnetic compatibility) requirements. For indoor use only. The cable is to a large extent resistant to oil and grease.



Fig. similar

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032748	02X0.75	GR	45.0	6.4	58.0
032754	02X1	GR	50.0	6.6	64.0
031888	02X1.5	GR	63.3	7.9	97.0

YSLYSY-JZ



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC YI2
Material inner sheath	PVC TM2
Sheathing material	PVC TM2
Colour outer sheath	transparent
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	6 x DA

Application:

Steel wire-reinforced, universal measurement and control cable in mechanical and plant engineering indoors. The cable is largely oil-resistant. Not suitable for constant motion.



Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033035	03X0.75	TR	22.0	8.5	110.0
031897	04X0.75	TR	28.8	8.7	126.0
033036	05X0.75	TR	36.0	10.9	164.0
033037	07X0.75	TR	50.4	11.5	195.0
032026	12X0.75	TR	86.0	15.3	292.0



YSLYSY-JZ

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033042	18X0.75	TR	130.0	17.5	378.0
033044	25X0.75	TR	180.0	20.3	523.0
033051	03X1	TR	29.0	9.8	131.0
033052	04X1	TR	38.4	10.2	161.0
031606	05X1	TR	48.0	11.1	164.0
033054	07X1	TR	67.0	12.1	220.0
033057	12X1	TR	115.2	15.6	347.0
033059	18X1	TR	173.0	18.3	426.0
033061	25X1	TR	240.0	21.6	616.0
031984	03X1.5	TR	43.0	10.1	102.0
031604	04X1.5	TR	58.0	10.4	173.0
031605	05X1.5	TR	72.0	10.8	202.0
031710	07X1.5	TR	101.0	12.5	248.0
031607	12X1.5	TR	173.0	17.1	396.0
033077	18X1.5	TR	259.2	20.5	605.0
032634	25X1.5	TR	360.0	20.9	752.0
033086	03X2.5	TR	72.0	11.5	226.0
033087	05X2.5	TR	120.0	13.7	324.0
031445	04X2.5	TR	96.0	14.9	249.0
033088	07X2.5	TR	168.0	15.2	399.0
031444	04X4	TR	153.6	13.9	348.0
033098	05X4	TR	192.0	16.3	470.0
033099	07X4	TR	269.0	17.8	591.0
033101	04X6	TR	230.4	17.1	531.0
033102	05X6	TR	288.0	18.8	631.0
033103	07X6	TR	403.0	20.7	770.0
033104	04X10	TR	384.0	20.9	837.0
033105	05X10	TR	480.0	23.0	993.0
033107	04X16	TR	614.0	26.9	1396.0
033108	05X16	TR	768.0	25.5	1740.0

YSLYSY-OZ



CPR-performance acc. to EN 50575	Eca
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC YI2
Material inner sheath	PVC TM2
Sheathing material	PVC TM2
Colour outer sheath	transparent
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	6 x DA

Application:

Steel wire-reinforced, universal measurement and control cable in mechanical and plant engineering indoors. The cable is largely oil-resistant. Not suitable for constant motion.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033014	02X0.5	TR	10.0	8.3	89.0
033034	02X0.75	TR	14.4	8.4	104.0
033050	02X1	TR	19.2	9.1	115.0
032650	02X1.5	TR	29.0	9.5	149.0
033085	02X2.5	TR	48.0	11.0	200.0

FABER® 100 P



75201 FACAB 100 P 300,75 42/15 P/m: 0.32801

Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	special PVC-compound
Sheathing material	polyurethan
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Ozone-resistant	DIN EN 60811-2-1(A)
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +80 °C
Bending radius, fixed installation	4 x DA

Application:

In dry and wet environment as well as outdoors under medium mechanical stress. For the connection of electrical tools with improved oil-, abrasion- and impact-resistance.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032800	02X0.75	GR	14.4	5.4	43.0
032801	03G0.75	GR	22.0	5.7	55.0
032802	04G0.75	GR	29.0	6.2	67.0
032803	05G0.75	GR	36.0	6.8	83.0
032804	07G0.75	GR	50.0	7.5	106.0
032806	12G0.75	GR	86.4	9.9	181.0
032807	18G0.75	GR	130.0	11.9	255.0
032808	25G0.75	GR	180.0	14.5	325.0
032811	02X1	GR	19.2	5.7	53.0
032812	04G1	GR	38.4	6.6	85.0
031717	03G1	GR	29.0	6.0	61.0
034897	05G1	GR	48.0	7.1	89.0
032813	07G1	GR	67.0	8.1	126.0
032815	12G1	GR	115.2	10.7	219.0
032816	18G1	GR	173.0	12.9	309.0
032817	25G1	GR	240.0	14.9	414.0
032820	02X1.5	GR	29.0	6.2	77.0
032821	03G1.5	GR	43.2	6.6	92.0
032822	04G1.5	GR	58.0	7.2	110.0
032823	05G1.5	GR	72.0	8.0	132.0
032010	07G1.5	GR	101.0	9.2	159.0
032824	12G1.5	GR	173.0	12.0	290.0
032825	18G1.5	GR	260.0	14.1	422.0
032826	25G1.5	GR	360.0	16.8	594.0
034374	02X2.5	GR	48.0	7.8	110.0
032829	03G2.5	GR	72.0	8.3	149.0
032830	04G2.5	GR	96.0	9.2	175.0
032831	05G2.5	GR	120.0	10.1	204.0
032832	07G2.5	GR	168.0	11.2	280.0
032834	04G4	GR	154.0	11.4	266.0
032835	05G4	GR	192.0	12.7	315.0

POWER CABLES
1 UP TO 30 KVBUILDING
WIRESFLEXIBLE
WIRESTELECOMMUNICATION
CABLESCONTROL AND
ELECTRONIC CABLESCABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLESMISCELLANEOUS
PRODUCTSTECHNICAL
APPENDIX

FABER® 100 F-CP



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	special PVC-compound
Screen	copper braid
Screen coverage	85 %
Sheathing material	polyurethan
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Ozone-resistant	yes
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +80 °C

Application:

Robust PUR control cable distinguished by high abrasion-resistance and notch-tensile strength. The high resistance to oil and coolants enables applications in mechanical and plant engineering, mills and steelworks. For medium mechanical strain without tensile stress or forced guidance. The structure without inner jacket ensures space-saving installation indoors and outdoors.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033532	02X0.75	GR	47.0	5.8	77.0
033533	03G0.75	GR	54.0	6.1	89.0
033534	04G0.75	GR	77.0	6.5	102.0
033535	05G0.75	GR	86.0	7.1	117.0
033536	07G0.75	GR	96.0	8.3	152.0
032012	02X1	GR	50.0	6.1	66.0
031990	03G1	GR	77.0	6.3	82.0
031787	04G1	GR	87.0	6.9	129.0
032013	05G1	GR	90.0	7.5	128.0
034559	07G1	GR	112.0	8.9	174.0
032050	12G1	GR	194.0	10.9	262.0
034564	18G1	GR	268.0	13.9	388.0
034566	25G1	GR	354.0	15.9	596.0
034475	02X1.5	GR	65.0	7.1	92.0
031772	03G1.5	GR	83.0	6.9	135.0
035277	04G1.5	GR	100.0	8.2	146.0
032049	05G1.5	GR	120.0	8.4	159.0
032044	07G1.5	GR	152.0	10.0	207.0
033825	12G1.5	GR	268.0	12.1	352.0
034574	18G1.5	GR	373.0	15.6	516.0
033826	25G1.5	GR	530.0	17.9	719.0
034619	02X2.5	GR	96.0	8.2	131.0
033827	03G2.5	GR	147.0	8.6	178.0
034620	04G2.5	GR	175.0	9.9	215.0
034621	05G2.5	GR	203.0	11.0	246.0

H07VVH6-F



Standard	VDE 0281-404
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC YI2
Sheathing material	PVC TM2
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Nominal voltage U₀	450 V
Nominal voltage U	750 V

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.

Item number	Item name	Colour	Cop. weight kg/km	W x H approx. mm	Weight approx. kg/km
031974	04G1.5	SW	58.0	15.0 x 5.0	135.0
032153	05G1.5	SW	72.0	18.0 x 5.0	140.0
032351	07G1.5	SW	101.0	27.0 x 5.0	260.0
032004	08G1.5	SW	115.0	29.0 x 5.0	265.0
032352	10G1.5	SW	144.0	36.0 x 5.0	358.0
031975	12G1.5	SW	173.0	41.0 x 5.0	442.0
031976	14G1.5	SW	202.0	51.0 x 5.0	435.0
031977	18G1.5	SW	259.0	65.0 x 5.0	559.0
035014	24G1.5	SW	346.0	83.6 x 5.2	818.0
031978	04G2.5	SW	96.0	18.5 x 5.7	206.0
032154	05G2.5	SW	120.0	22.1 x 5.7	240.0
032353	07G2.5	SW	168.0	33.5 x 5.7	365.0
032354	08G2.5	SW	192.0	37.1 x 5.7	410.0
032355	12G2.5	SW	288.0	50.9 x 5.7	610.0
032356	24G2.5	SW	604.0	103.0 x 5.7	950.0
032357	04G4	SW	154.0	21.5 x 6.9	327.0
032041	04G6	SW	230.0	24.5 x 7.6	430.0
031979	04G10	SW	384.0	31.1 x 9.6	709.0
032024	04G16	SW	614.0	35.5 x 10.9	1015.0
033469	04G25	SW	960.0	41.5 x 12.7	1367.0
032152	04G35	SW	1344.0	49.1 x 15.7	1920.0
034819	04G50	SW	1920.0	61.5 x 19.1	2822.0
034557	04G70	SW	2688.0	64.1 x 21.1	3817.0
032358	05G4	SW	192.0	26.9 x 6.9	402.0
032301	05G6	SW	288.0	29.5 x 7.6	525.0
032302	05G10	SW	480.0	37.5 x 10.2	935.0
032361	05G16	SW	768.0	43.4 x 11.1	1317.0
032359	07G4	SW	269.0	37.9 x 6.9	567.0
032360	07G6	SW	403.0	41.1 x 7.1	755.0

LiYY



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Stranding unit	core
Sheathing material	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-30 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Insulation resistance	100 MΩm×km
Specific inductivity	0.7 mH/km
Nominal voltage U₀	250 V

Application:

For signal transmission between electronic devices, in computer systems, process control units or office equipment.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030174	02X0.14	GR	2.7	3.2	12.0
030175	03X0.14	GR	4.1	3.4	17.0
030395	04X0.14	GR	5.4	3.7	19.0
030178	06X0.14	GR	8.1	4.4	25.0
030198	02X0.25	GR	4.8	3.6	17.0
030199	03X0.25	GR	7.2	3.8	21.0
030200	04X0.25	GR	9.6	4.1	27.0
030201	05X0.25	GR	12.0	4.5	32.0
030202	06X0.25	GR	14.4	5.0	40.0
030204	08X0.25	GR	19.2	6.1	51.0
030205	10X0.25	GR	24.0	6.4	61.0
030219	02X0.34	GR	6.5	4.2	19.0
030220	03X0.34	GR	9.8	4.5	25.0
030221	04X0.34	GR	13.1	4.9	32.0
030222	05X0.34	GR	16.3	5.6	38.0
030224	07X0.34	GR	22.8	6.6	50.0
030225	10X0.34	GR	32.6	7.6	73.0
030228	18X0.34	GR	58.8	9.6	131.0
030230	24X0.34	GR	78.4	11.2	167.0
030233	32X0.34	GR	104.4	12.8	225.0
030241	02X0.5	GR	9.6	5.6	23.0
030242	03X0.5	GR	14.4	5.9	31.0
030243	04X0.5	GR	19.2	6.4	39.0
030244	05X0.5	GR	24.0	7.0	47.0
030246	07X0.5	GR	33.6	7.6	65.0
030587	08X0.5	GR	38.4	7.9	75.0
030248	10X0.5	GR	48.0	9.4	92.0
030527	02X0.75	GR	14.4	5.9	48.0
030529	04X0.75	GR	28.8	6.5	69.0
031308	02X1	GR	19.2	6.0	61.0

LiYY/EB



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Sheathing material	PVC
Colour outer sheath	blue
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-30 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Insulation resistance	100 MOhm \times km
Specific inductivity	0.7 mH/km
Nominal voltage U₀	250 V

Application:

For signal transmission between electronic devices, in computer systems, process control units or office equipment. Due to the blue outer sheath the cable is suitable for application in intrinsically safe circuits.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031654	02X0.75	BL	14.4	5.9	43.0
030661	03X0.75	BL	21.6	6.0	61.0
033122	04X0.75	BL	29.4	6.2	74.0
033123	05X0.75	BL	37.0	6.9	89.0
033130	02X1	BL	20.0	5.8	58.0
033131	03X1	BL	30.0	6.3	75.0
033132	05X1	BL	48.0	7.3	111.0
032944	07X1	BL	69.1	8.6	143.0
033135	02X1.5	BL	29.0	6.6	86.0
031421	03X1.5	BL	43.2	6.6	99.0
030778	04X1.5	BL	57.6	7.1	125.0

LiYCY



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Screen	copper braid, tinned
Screen coverage	70 %
Sheathing material	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-30 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Nominal voltage U_o	250 V
Nominal voltage U	250 V

Application:

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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030253	02X0.14	GR	12.4	3.8	21.0
030254	03X0.14	GR	14.1	4.0	40.0
030255	04X0.14	GR	15.8	4.1	43.0
030256	05X0.14	GR	19.6	4.8	47.0
030257	06X0.14	GR	22.2	4.9	52.0
030258	07X0.14	GR	23.5	5.0	54.0
030259	08X0.14	GR	25.2	5.3	58.0
030926	20X0.14	GR	58.3	7.8	116.0
030280	02X0.25	GR	16.0	3.9	28.0
030281	03X0.25	GR	21.0	4.3	34.0
030282	04X0.25	GR	24.0	4.5	40.0
030283	05X0.25	GR	29.0	5.1	47.0
030284	06X0.25	GR	32.4	5.5	54.0
030285	07X0.25	GR	37.0	5.9	61.0
030286	08X0.25	GR	42.1	5.9	66.0
030287	10X0.25	GR	49.9	6.4	80.0
030288	12X0.25	GR	59.0	6.5	91.0
030289	14X0.25	GR	64.2	8.0	120.0
030294	27X0.25	GR	122.0	12.2	226.0
030305	02X0.34	GR	21.0	4.6	31.0
030306	03X0.34	GR	27.0	4.7	38.0
030307	04X0.34	GR	33.0	5.2	46.0
030308	05X0.34	GR	36.0	5.6	54.0
030571	06X0.34	GR	45.0	5.8	62.0
030309	07X0.34	GR	51.0	5.9	70.0
030310	08X0.34	GR	54.0	6.2	76.0
030311	10X0.34	GR	74.0	8.9	114.0
030312	12X0.34	GR	80.0	7.2	128.0
030460	14X0.34	GR	86.0	9.5	141.0
030325	02X0.5	GR	29.0	5.0	36.0
030326	03X0.5	GR	39.0	5.4	45.0
030327	04X0.5	GR	46.0	5.9	54.0
030328	05X0.5	GR	57.0	6.6	67.0
030564	06X0.5	GR	68.6	7.1	76.0
030330	07X0.5	GR	80.0	7.2	84.0
030883	08X0.5	GR	91.4	7.6	107.0
030332	10X0.5	GR	100.0	8.8	134.0
030333	12X0.5	GR	117.0	8.9	155.0
030933	20X0.5	GR	165.0	11.6	239.0
030511	02X0.75	GR	38.0	5.6	62.0
030512	03X0.75	GR	50.0	6.0	73.0
030513	04X0.75	GR	58.0	6.6	92.0



Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
030514	05X0.75	GR	70.0	7.0	110.0
030572	06X0.75	GR	87.0	7.7	128.0
030515	07X0.75	GR	100.0	7.8	145.0
030471	10X0.75	GR	140.0	9.4	182.0
030472	12X0.75	GR	154.0	9.9	216.0
030705	02X1	GR	46.0	6.0	74.0
030672	03X1	GR	56.0	6.4	89.0
030673	04X1	GR	69.0	6.9	107.0
030670	05X1	GR	89.0	7.5	132.0
031154	07X1	GR	118.0	8.3	158.0
031256	08X1	GR	130.0	9.8	179.0
031257	12X1	GR	168.0	10.4	254.0
030584	02X1.5	GR	63.0	6.6	86.0
030586	03X1.5	GR	76.0	7.0	107.0
030558	04X1.5	GR	108.0	7.9	129.0
031155	05X1.5	GR	129.0	8.9	150.0
031156	07X1.5	GR	164.0	9.3	192.0
031264	12X1.5	GR	254.0	13.0	315.0
031265	18X1.5	GR	350.0	15.5	450.0
031267	25X1.5	GR	550.0	18.5	618.0
030360	02X2X0.14	GR	22.6	5.0	44.0
030361	03X2X0.14	GR	25.7	5.6	53.0
030363	05X2X0.14	GR	44.5	6.5	80.0
030368	12X2X0.14	GR	78.4	9.4	160.0
030379	02X2X0.25	GR	28.0	5.5	54.0
030516	03X2X0.25	GR	39.6	6.2	66.0
030380	04X2X0.25	GR	44.9	6.5	81.0
030517	06X2X0.25	GR	69.5	7.2	115.0
030382	10X2X0.25	GR	110.0	11.8	158.0
030383	12X2X0.25	GR	121.5	11.0	190.0
030878	02X2X0.34	GR	40.5	6.3	74.0
030880	04X2X0.34	GR	62.9	8.3	114.0
030881	06X2X0.34	GR	84.1	10.6	157.0
030392	02X2X0.5	GR	54.0	7.1	93.0
030519	03X2X0.5	GR	73.7	7.9	129.0
030393	04X2X0.5	GR	91.0	8.9	146.0
030520	06X2X0.5	GR	120.0	10.8	198.0
030521	08X2X0.5	GR	144.0	11.7	259.0
030394	12X2X0.5	GR	199.0	13.8	354.0
030485	16X2X0.5	GR	254.0	17.3	459.0
030522	02X2X0.75	GR	58.0	7.7	106.0
030414	03X2X0.75	GR	85.0	8.6	140.0
030523	04X2X0.75	GR	108.0	9.6	179.0
030524	06X2X0.75	GR	146.0	11.9	246.0
031322	02X2X1	GR	84.0	8.5	136.0
031327	03X2X1	GR	103.0	8.6	174.0
031189	04X2X1	GR	132.0	10.4	226.0

LiYCY/EB



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Screen	copper braid
Screen coverage	85 %
Sheathing material	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-30 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	10 x DA
Insulation resistance	100 MΩm ² km

Application:

For signal transmission between electronic devices, in computer systems, process control units or office equipment with increased electromagnetic compatibility requirements. Due to the blue outer sheath the cable is suitable for application in intrinsically safe circuits.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032848	02X0.5	BL	29.0	5.4	36.0
031554	03X0.5	BL	35.0	5.7	45.0
034844	04X0.5	BL	46.0	6.3	54.0
030697	02X0.75	BL	35.0	5.9	56.0
030662	03X0.75	BL	58.0	6.2	70.0
030734	04X0.75	BL	66.0	6.8	95.0
032020	05X0.75	BL	92.0	7.5	130.0
030929	07X0.75	BL	103.0	8.1	168.0
032644	12X0.75	BL	151.0	10.8	202.0
032642	18X0.75	BL	211.0	12.5	304.0
033763	25X0.75	BL	281.0	15.1	425.0
031036	02X1	BL	58.0	6.3	84.0
032284	03X1	BL	78.0	6.5	106.0
031037	04X1	BL	95.0	7.2	130.0
031718	05X1	BL	98.0	7.7	140.0
031038	07X1	BL	160.0	8.5	192.0
032005	12X1	BL	245.0	11.4	260.0
032006	18X1	BL	286.0	13.4	340.0
032060	25X1	BL	396.0	16.1	534.0
031914	02X1.5	BL	78.0	7.0	97.0
031613	03X1.5	BL	94.0	7.5	125.0
032144	04X1.5	BL	128.0	8.2	170.0
031904	05X1.5	BL	144.0	8.9	180.0
033768	07X1.5	BL	159.0	9.6	233.0
033769	12X1.5	BL	268.0	12.9	356.0
032643	18X1.5	BL	373.0	15.5	528.0
033770	25X1.5	BL	530.0	19.5	720.0

LiYCY/EB TP



Fig. similar



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	PVC
Screen	copper braid
Screen coverage	85 %
Sheathing material	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature	70 °C
Permitted outer cable temperature, fixed	-30 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	10 x DA
Insulation resistance	100 MΩm x km

Application:

For signal transmission between electronic devices, in computer systems, process control units or office equipment with increased electromagnetic compatibility requirements. Due to the blue outer sheath the cable is suitable for application in intrinsically safe circuits.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031949	02X2X0.75	BL	60.0	9.5	106.0
031929	04X2X0.75	BL	115.0	10.3	179.0

LiHCH



Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	FRNC-compound HI1
Screen	copper braid
Sheathing material	FRNC-compound HM1
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	7.5 x DA
Bending radius, moving application	15 x DA
Nominal voltage U₀	250 V
Core identification	colours acc. to DIN 47100

Application:

Halogen-free data cable for mA-range signal transmission between electronic devices, in computer systems, process control units, office equipment etc.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032696	02X0.5	GR	29.0	5.8	38.0
032697	03X0.5	GR	35.0	6.1	47.0
032698	04X0.5	GR	45.0	6.5	62.0
032104	05X0.5	GR	54.0	7.2	76.0
032699	06X0.5	GR	59.0	7.8	84.0
032700	07X0.5	GR	72.0	7.9	86.0
031966	02X0.75	GR	35.0	6.2	45.0





Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031963	03X0.75	GR	46.0	6.5	60.0
031833	04X0.75	GR	58.0	7.2	92.0
031964	05X0.75	GR	70.0	7.8	97.0
031967	07X0.75	GR	90.0	8.5	120.0
032085	12X0.75	GR	154.0	11.1	196.0
032705	18X0.75	GR	195.0	12.7	327.0
032706	25X0.75	GR	280.0	15.5	454.0
032662	02X1	GR	43.0	6.5	72.0
032707	03X1	GR	56.0	7.0	90.0
032664	04X1	GR	68.0	7.5	109.0
032708	05X1	GR	79.0	8.2	126.0
032709	07X1	GR	118.0	8.8	171.0
032710	02X1.5	GR	58.0	7.7	90.0
032711	03X1.5	GR	74.0	8.1	115.0
032712	04X1.5	GR	108.0	8.7	153.0
032713	05X1.5	GR	129.0	9.5	176.0
031809	07X1.5	GR	164.0	10.7	220.0
031872	02X2X0.25	GR	28.0	7.2	54.0
031816	03X2X0.25	GR	39.6	7.3	66.0
032658	04X2X0.25	GR	54.5	8.1	81.0
031846	06X2X0.25	GR	69.5	9.1	115.0
031818	02X2X0.5	GR	48.1	8.8	93.0
031896	03X2X0.5	GR	73.7	9.0	129.0
032728	04X2X0.5	GR	82.0	10.3	140.0
032732	02X2X0.75	GR	65.0	9.5	106.0
032733	03X2X0.75	GR	92.0	10.1	138.0
032659	04X2X0.75	GR	115.0	11.5	170.0
032036	02X2X1	GR	84.0	10.5	142.0
032738	04X2X1	GR	121.0	11.5	212.0

Li2YCYv



Conductor material	bare copper
Conductor class	class 2, 7-wired construction
Insulation	polyethylene
Screen	copper braid
Screen coverage	75 %
Sheathing material	PVC, enforced
Colour outer sheath	black
UV-resistant	yes
For outdoor use	yes
Permitted outer cable temperature, fixed	-30 - +80 °C
Permitted outer cable temperature, in motion/ during installation	0 - 60 °C
Bending radius, fixed installation	15 x DA

Application:

Low-capacitance cable for signal transmission in the mA-range under heavy environmental influences, outdoors and for direct burial. The cable is suitable for Maxi-Termi-Point contacting.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031688	02X2X0.22	SW	20.0	6.4	49.0
031690	04X2X0.22	SW	31.0	7.9	76.0
031694	02X2X0.34	SW	29.0	6.9	58.0
031695	03X2X0.34	SW	38.0	7.7	76.0
031696	04X2X0.34	SW	47.0	8.6	95.0
031697	08X2X0.34	SW	78.0	10.8	158.0
031682	01X2X0.5	SW	28.0	6.2	48.0
031683	02X2X0.5	SW	37.0	8.3	81.0





Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031684	03X2X0.5	SW	53.0	9.1	101.0
031685	04X2X0.5	SW	60.0	10.2	127.0
031686	08X2X0.5	SW	106.0	12.5	205.0
031687	10X2X0.5	SW	148.0	14.7	269.0
036560	01X2X1	SW	42.0	7.3	74.0
036036	02X2X1	SW	64.2	9.8	120.0
031981	04X2X1	SW	132.0	12.3	203.0

POWER CABLES
1 UP TO 30 KVBUILDING
WIRESFLEXIBLE
WIRESTELECOMMUNICATION
CABLESCONTROL AND
ELECTRONIC CABLESCABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLESMISCELLANEOUS
PRODUCTSTECHNICAL
APPENDIX

BUS CABLES

» BUILDING INSTALLATION

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
101010	FABER® EIB-bus cable 02X2X0,8	GN	21,0	6,3	55,0
101011	FABER® EIB-bus cable 04X2X0,8	GN	41,0	8,8	92,0
101049	FABER® EIB-bus cable halogen-free 02X2X0,8	GN	21,0	6,3	55,0
101639	FABER® EIB-bus cable direct burial 02X2X0,8	SW	21,0	8,0	75,0
100503	Intercommunication bus cable LiY 02X1,5 sqmm + L-2Y 02X2X0,6	GN	57,0	8,5	90,0
100533	Intercommunication bus cable FRNC 02X1,5 sqmm + L-2Y 02X2X0,6	GR	57,0	8,5	90,0

» UNSHIELDED INDUSTRY TYPES – PROFILED FLAT CABLES

Item number	Item name	Colour	Cop. weight kg/km	B x H ca. mm	Weight approx. kg/km
100569	FABER® AS-Interface BUS Rubber 02X1,5	SW	29,0	4 x 10	57,0
100568	FABER® AS-Interface BUS Rubber 02X1,5	GE	29,0	4 x 10	57,0
100571	FABER® AS-Interface BUS TPE 02X1,5	SW	29,0	4 x 10	57,0
101025	FABER® AS-Interface BUS PUR 02X1,5	GE	29,0	4 x 10	57,0
101550	FABER® AS-Interface BUS PUR 02X2,5	GE	48,0	4 x 10	84,0
101126	FABER® EFK AS-Interface BUS PUR 02X1,5	GE	30,0	4 x 10	57,0
101127	FABER® EFK AS-Interface BUS PUR 02X1,5	SW	30,0	4 x 10	57,0

» PROFIBUS 150 OHM

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100575	Profibus PVC L2/FIP/DP/FMS 2Y(St)CY 01X2X0,64	VL	29,0	7,8	57,0
100576	Profibus Fast Connect L2/FIP/DP/FMS 2YY(St)CY 01X2X0,64	VL	29,0	7,8	60,0
100579	Profibus UL/CSA L2 FIP/DP/FMS 2Y(St)CY 01X2X0,64	VL	29,0	7,8	57,0
101725	Profibus Fast Connect L2/FIP/DP/FMS 2YY(St)CY 01X2X0,64	BL	29,0	8,2	70,0
101301	Profibus PVC L2/FIP/DP/FMS Fast Connect, cUL 01X2X0,64/7	VL	29,0	7,9	73,0
101302	Profibus PVC L2/FIP/DP/FMS Fast Connect, cUL 01X2X0,64	VL	29,0	8,0	82,0
100544	Profibus FRNC L2/FIP/DP/FMS 2Y(St)CH 01X2X0,64	GN	29,0	7,8	55,0
101723	Profibus FRNC L2/FIP/DP/FMS 2Y(St)CH 01X2X0,64	VL	29,0	7,8	55,0
100488	Profibus direct burial L2/FIP/DP/FMS 2Y(St)CY2Y 01X2X0,64	SW	29,0	10,0	87,0
100578	Profibus EFK PUR L2/FIP/DP/FMS - 19 Strand 01X2X0,64	VL	29,0	8,1	64,0
101302	Profibus EFK PUR FC L2/FIP/DP/FMS - 19 Strand 01X2X0,64	VL	29,0	8,0	83,0
100935	Profibus Festoon PVC L2/FIP/DP/FMS - 19 Strand 01X2X0,64	PT	29,0	8,3	63,0



POWER CABLES
1 UP TO 30 KV

BUILDING WIRES

FLEXIBLE WIRES

TELECOMMUNICATION CABLES

CONTROL AND ELECTRONIC CABLES

CABLE WITH CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE CABLES

MISCELLANEOUS PRODUCTS

TECHNICAL APPENDIX

» PROFIBUS FOR PROCESS AUTOMATION

Item number	Item name	Colour	Z Ohm	Cop. weight kg/km	D _A mm	Weight approx. kg/km
101057	Profibus PA UL/CSA FR 01X2XAWG 18/7	SW	100 +- 20	45,0	7,9	73,0
101056	Profibus PA UL/CSA FR 01X2XAWG 18/7	BL	100 +- 20	45,0	7,9	73,0
101621	FOUNDATION FIELDBUS 01X2XAWG 18/7	OR	100 +- 20	47,0	7,3	73,0

» CAN-BUS 120 OHM

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
101120	CAN-Bus-FIX PVC UL/CSA 01X2X0,22	VL	17,0	6,0	38,0
100621	CAN-Bus-FIX PVC UL/CSA 02X2X0,22	VL	36,0	7,5	70,0
100613	CAN-Bus-FIX PVC UL/CSA 01X2X0,34	VL	23,0	6,6	55,0
100961	CAN-Bus-FIX PVC UL/CSA 02X2X0,34	VL	46,4	8,0	88,0
100945	CAN-Bus-FIX PVC UL/CSA 01X2X0,5	VL	42,0	7,3	83,0
100574	CAN-Bus-FIX PVC UL/CSA 02X2X0,5	VL	59,4	9,0	106,0
101154	CAN-Bus-FIX PVC UL/CSA 01X2X0,75	VL	53,0	8,9	108,0
101165	CAN-Bus-FIX PVC UL/CSA 02X2X0,75	VL	81,0	12,4	141,0
101684	CAN-Bus BURIAL YY CUL CMX UV-BEST. 02X2X0,75	SW	81,0	13,6	217,0
101632	CAN-Bus-EFK PUR UL/CSA 02X2X0,25	VL	33,0	8,4	68,0
100572	CAN-Bus-EFK PUR UL/CSA 02X2X0,34	VL	52,4	9,6	88,0
101121	CAN-Bus-EFK PUR UL/CSA 01X2X0,5	VL	42,0	8,2	72,0
100573	CAN-Bus-EFK PUR UL/CSA 02X2X0,5	VL	59,4	10,8	106,0
100842	DeviceNet (TM) Bus FRNC 01X2X AWG 18 + 01X2X AWG 15 EFK UL	VL	94,0	12,3	197,0
100843	DeviceNet (TM) Bus FRNC 01X2X AWG 24 + 01X2X AWG 22 EFK UL	VL	36,0	7,3	65,0

» BUS SYSTEMS FOR BROADCAST, TELEVISION, STUDIO / STAGE

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033831	AES/EBU & DMX STDY 02X0,34	SW	10,2	6,6	50,0
033833	AES/EBU & DMX STCY 04X0,34	SW	33,0	7,2	65,0

SERIAL DATA BUSES

The use of sensors, actuators and processing electronics has been part and parcel of the standard toolbox in industrial measurement and control technologies for decades.

In this regard, systems with distributed intelligence are competing with centrally organized systems. The data still need to be transported to and from the information sources, users or processors in any case. In the vast majority of cases, this is still done using copper data lines, even if wireless radio or IR solutions and/or optical fibre cables are increasingly also gaining ground.

In combination with the corresponding send and receive blocks, these data lines form a so-called bus system.

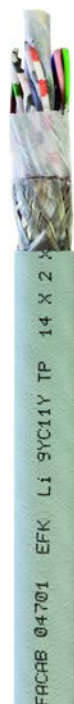
Although the data lines of most systems look quite similar inside (one or two twisted pairs of cores for serial data transmission), all the various system providers have still developed a series of more or less proprietary cables that are specifically tailored to the application areas of their bus system.

Many bus systems can meanwhile have their components certified by the panel that defines the bus specification. This manifests the differences between the individual cables of various bus systems or also within a system, not so much in their electrical or transmission-related qualities as in their suitability for often very narrowly defined application cases, e.g. use in cable carriers, direct underground installation, or resistance to different environmental factors.

In some systems, the bus line not only carries the actual data, but also the power supply for the individual components, sometimes even by the same pair of conductors. In addition to this, most cable types are also available in a „conventional“ (usually PVC-sheathed) and a halogen-free version.

Bus system	Standard	Network topology	Data rate
EIB/KNX	EN 50090, ISO/IEC 14543	linear	
AS-I (Actor-Sensor Interface)	EN 50295, IEC 62026-2	any	167 kBit/s
SINEG L2 Profibus FIP DP	IEC 61158	linear	500 kBit/s
INDUSTRIAL ETHERNET (Profinet)	ISO/ IEC 11801		
Profibus PA (Process automation)	Chemical industry		
FOUNDATION FIELDBUS	Chemical industry		
CAN (Controller Area Network)	ISO 11898-2	linear/star	100 kBit/s
DeviceNet™	ODVA	linear/star	100 kBit/s
LON (Local Operating Network)	EN 14908	any	78,1 kBit/s
DESINA	VDW		
AES / EBU / DMX	EIA 485		256 kBit/s

FABER® EFK Li9YC11Y (Drag chain cable)



Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	polypropylene
Screen	copper braid, tinned
Screen coverage	85 %
Sheathing material	polyurethan
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-50 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-40 - +80 °C

Application:
Highly flexible and low-capacitance data cable for constant movement under extreme conditions with specific EMC (electromagnetic compatibility) requirements. The cable is halogen-free, flame-retardant, hydrolysis- and microbe-resistant and largely oil-resistant. Please note our instructions for the use of drag chain cables on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035354	07X0.14	GR	28.0	5.7	56.0
035355	10X0.14	GR	39.3	6.3	70.0
035356	12X0.14	GR	35.0	6.5	59.0
035357	14X0.14	GR	45.3	6.9	84.0
035358	18X0.14	GR	54.1	7.5	99.0
035524	25X0.14	GR	68.4	8.9	132.0
035361	04X0.25	GR	23.0	5.0	45.0
035362	05X0.25	GR	31.0	5.6	58.0
035363	07X0.25	GR	40.0	6.4	72.0
035364	10X0.25	GR	54.0	7.3	92.0
035365	12X0.25	GR	51.0	7.5	84.0
035366	14X0.25	GR	64.2	7.8	114.0
035367	18X0.25	GR	78.4	8.7	138.0
035368	25X0.25	GR	101.0	10.3	184.0
035371	04X0.34	GR	36.0	5.5	62.0
035372	05X0.34	GR	39.1	5.8	68.0
035373	07X0.34	GR	53.0	6.9	91.0
035374	10X0.34	GR	67.4	7.7	118.0
035375	12X0.34	GR	63.0	7.9	99.0
035376	14X0.34	GR	86.0	8.5	150.0
035377	18X0.34	GR	100.0	9.2	177.0
035378	25X0.34	GR	155.0	10.9	251.0
035379	02X2X0.14	GR	20.0	5.8	42.0
035381	04X2X0.14	GR	30.0	6.7	59.0
035382	05X2X0.14	GR	37.4	7.2	75.0
035383	06X2X0.14	GR	49.4	7.8	91.0
035384	08X2X0.14	GR	55.0	8.3	109.0
035385	10X2X0.14	GR	60.1	9.3	120.0
035386	14X2X0.14	GR	73.0	10.0	168.0
035387	02X2X0.25	GR	32.0	6.7	56.0
035388	03X2X0.25	GR	38.4	6.8	66.0
035389	04X2X0.25	GR	43.2	7.5	76.0
035390	05X2X0.25	GR	52.0	8.0	91.0
035391	06X2X0.25	GR	72.0	8.8	112.0
035392	08X2X0.25	GR	74.4	10.4	140.0
035393	10X2X0.25	GR	90.0	10.9	159.0
035394	14X2X0.25	GR	111.2	11.9	192.0
035395	02X2X0.34	GR	35.0	7.0	81.0
035396	03X2X0.34	GR	45.0	7.2	101.0
035397	04X2X0.34	GR	53.0	8.0	119.0
035398	05X2X0.34	GR	64.0	8.5	149.0
035399	06X2X0.34	GR	74.0	9.4	165.0



FABER® EFK Li9YC11Y (Drag chain cable)

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035400	08X2X0.34	GR	90.0	10.4	221.0
035401	10X2X0.34	GR	110.0	11.4	274.0
035402	14X2X0.34	GR	144.0	12.5	384.0
036539	01X2X0.5	GR	40.0	5.9	47.0
035403	02X2X0.5	GR	50.0	8.4	92.0
035404	03X2X0.5	GR	65.0	8.5	114.0
035405	04X2X0.5	GR	72.2	9.2	129.0
035406	05X2X0.5	GR	78.3	10.2	148.0
035407	06X2X0.5	GR	91.0	11.0	170.0
035408	08X2X0.5	GR	124.1	13.3	246.0
035409	10X2X0.5	GR	146.4	14.2	286.0
035410	14X2X0.5	GR	190.0	15.5	346.0
036540	01X2X0.75	GR	56.0	6.3	61.0
035411	02X2X0.75	GR	65.0	9.1	108.0
035412	03X2X0.75	GR	86.3	9.4	144.0
035413	04X2X0.75	GR	97.0	10.2	160.0
035414	05X2X0.75	GR	106.0	11.3	164.0
035415	06X2X0.75	GR	130.4	12.3	214.0
035416	08X2X0.75	GR	192.2	14.7	305.0
035417	10X2X0.75	GR	258.0	15.7	382.0
035418	14X2X0.75	GR	317.0	17.5	474.0
035883	01X2X1	GR	42.0	10.0	71.0
035419	02X2X1	GR	79.4	10.0	124.0
035420	03X2X1	GR	108.0	10.1	158.0
035421	04X2X1	GR	121.4	11.0	183.0
035422	05X2X1	GR	139.4	12.3	220.0

FABER® EFK Single core 12Y11Y (Drag chain cable)



Specification/Standard	UL/CSA
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	TPE
Sheathing material	polyurethan
Colour outer sheath	black
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-50 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-40 - +80 °C
Bending radius, fixed installation	4 x DA

Application:

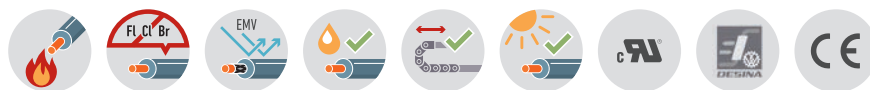
Highly flexible control cable for constant moving applications under heavy duty conditions. The cable is halogen-free, flame-retardant and resistant to most chemicals used in industrial environment. Please pay attention to our installation instructions for drag chain cables on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035314	01X6	SW	58.0	7.1	88.0
035315	01X10	SW	96.0	8.0	135.0
035316	01X16	SW	154.0	9.4	205.0
035317	01X25	SW	240.0	10.9	290.0
035318	01X35	SW	336.0	13.2	411.0
035319	01X50	SW	480.0	14.2	554.0
035320	01X70	SW	672.0	16.5	773.0
035321	01X95	SW	912.0	18.4	1066.0

>>> FABER® EFK Single core 12Y11Y (Drag chain cable)

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035322	01X120	SW	1152.0	20.5	1305.0
035323	01X150	SW	1440.0	23.5	1616.0
035324	01X185	SW	1776.0	26.1	2025.0
035698	01X240	SW	2304.0	27.5	2730.0
035326	01G6	GG	58.0	7.1	88.0
035327	01G10	GG	96.0	8.0	135.0
035328	01G16	GG	154.0	9.4	205.0
035329	01G25	GG	240.0	10.9	290.0
035330	01G35	GG	336.0	13.2	411.0
035331	01G50	GG	480.0	14.2	554.0
035332	01G70	GG	672.0	16.5	773.0
035333	01G95	GG	912.0	18.4	1066.0
035334	01G120	GG	1152.0	20.5	1305.0
035335	01G150	GG	1440.0	22.5	1616.0
035336	01G185	GG	1776.0	26.1	2025.0

FABER® EFK Single core 12YC11Y (Drag chain cable)



Specification/Standard	UL/CSA
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	TPE
Screen	copper braid, tinned
Screen coverage	85 %
Sheathing material	polyurethan
Colour outer sheath	orange RAL 2003 (DESINA)
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-50 - +80 °C

Application:

Highly flexible data cable for constant movement under extreme conditions with specific EMC (electromagnetic compatibility) requirements. It is applicable in standard drag chains without tensile load. The cable is flame-retardant, and largely resistant to many chemicals used in industrial environment. Please pay attention to our instructions for the use of drag chain cables on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035337	01X6	OR	79.0	7.6	123.0
035338	01X10	OR	127.6	8.5	177.0
035339	01X16	OR	186.2	9.9	241.0
035340	01X25	OR	258.0	11.4	354.0
035341	01X35	OR	400.7	13.9	488.0
035342	01X50	OR	554.8	15.4	629.0
035343	01X70	OR	775.6	17.2	863.0
035344	01X95	OR	1029.0	19.3	1193.0
035345	01X120	OR	1283.0	21.4	1452.0
035346	01X150	OR	1570.0	23.4	1780.0
035347	01X185	OR	1935.0	27.0	2152.0
036286	01X240	OR	2640.0	29.3	3007.0

FABER® EFK 300 P (Drag chain cable)



Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	TPE/PP
Sheathing material	polyurethan
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-50 - +80 °C
Permitted outer cable temperature, in motion/ during installation	-40 - +80 °C
Bending radius, fixed installation	4 x DA
Bending cycles, max.	5 Mio.

Application:

Highly flexible control cable for constant moving applications under heavy duty conditions. The cable is halogen-free, flame-retardant and resistant to most chemicals used in industrial environment. Please pay attention to our installation instructions for drag chain cables on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032519	02X0.5	GR	10.0	5.0	36.0
031298	03G0.5	GR	14.4	5.2	57.0
030952	04G0.5	GR	19.2	5.7	56.0
035730	05G0.5	GR	25.0	6.1	57.0
032521	07G0.5	GR	34.0	7.4	79.0
031024	12G0.5	GR	58.0	9.0	176.0
032522	18G0.5	GR	86.4	10.4	186.0
031980	25G0.5	GR	120.0	12.7	196.0
031001	02X0.75	GR	15.0	5.4	57.0
031002	03G0.75	GR	22.0	5.7	73.0
031003	04G0.75	GR	29.0	6.3	95.0
032526	05G0.75	GR	36.0	7.1	76.0
032527	07G0.75	GR	50.4	8.3	106.0
031029	12G0.75	GR	86.4	10.1	248.0
032528	18G0.75	GR	130.0	11.6	252.0
032530	25G0.75	GR	180.0	14.1	351.0
031004	02X1	GR	19.2	5.8	65.0
031009	03G1	GR	29.0	6.1	84.0
031005	04G1	GR	38.4	6.8	111.0
031006	05G1	GR	48.0	7.4	138.0
031026	07G1	GR	67.2	8.9	182.0
031028	12G1	GR	115.2	10.7	261.0
031030	18G1	GR	173.0	12.8	390.0
031152	25G1	GR	240.0	15.5	445.0
032537	02X1.5	GR	29.0	6.8	65.0
031007	03G1.5	GR	47.0	7.2	110.0
031067	04G1.5	GR	58.0	8.0	134.0
030955	05G1.5	GR	72.0	8.7	168.0
031023	07G1.5	GR	101.0	10.5	232.0
031584	12G1.5	GR	173.0	12.8	305.0
031158	18G1.5	GR	259.2	15.2	507.0
031416	25G1.5	GR	360.0	18.2	647.0
032543	02X2.5	GR	48.0	7.8	115.0
031585	03G2.5	GR	72.0	8.2	143.0
031580	04G2.5	GR	96.0	8.9	174.0
031022	05G2.5	GR	120.0	10.0	198.0
032094	07G2.5	GR	168.0	11.8	266.0
031428	12G2.5	GR	288.0	14.6	421.0
032544	18G2.5	GR	432.0	17.2	714.0
031420	04G4	GR	154.0	11.6	257.0
031619	04G6	GR	230.4	13.6	322.0
031775	04G10	GR	384.0	17.6	585.0



▶▶▶ FABER® EFK 300 P (Drag chain cable)

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032550	04G16	GR	614.0	21.2	1006.0
031411	05G4	GR	201.0	12.9	337.0
032547	05G6	GR	288.0	15.2	509.0
032856	05G10	GR	480.0	19.5	817.0
034788	05G16	GR	768.0	23.6	1172.0
032546	07G4	GR	269.0	15.6	479.0
032548	07G6	GR	403.2	18.3	693.0
032549	07G10	GR	672.0	23.7	1054.0
032551	07G16	GR	1075.0	28.6	1709.0

FABER® EFK 300 CP (Drag chain cable)



Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	TPE/PP
Material inner sheath	polyurethan
Screen	copper braid, tinned
Screen coverage	85 %
Sheathing material	polyurethan
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-50 - +80 °C

Application:
Highly flexible control cable for the constantly moving equipment under extreme conditions for indoor and outdoor use combined with specific EMC (electromagnetic compatibility) requirements. The cable is halogen-free, flame-retardant and resistant to most chemicals occurring in industry environment. Please pay attention to our instructions for the use of drag chain cables on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031442	02X0.5	GR	48.0	7.1	61.0
030954	03G0.5	GR	53.0	7.4	104.0
032552	04G0.5	GR	61.0	7.8	122.0
030958	05G0.5	GR	66.0	8.2	131.0
031429	07G0.5	GR	85.0	9.5	172.0
032554	12G0.5	GR	117.0	11.0	230.0
030959	18G0.5	GR	157.0	12.8	321.0
030957	25G0.5	GR	228.0	15.0	445.0
032558	02X0.75	GR	53.0	7.5	98.0
032559	03G0.75	GR	63.0	7.8	120.0
032560	04G0.75	GR	77.0	8.3	83.0
032561	05G0.75	GR	87.0	9.0	94.0
032562	07G0.75	GR	107.0	10.3	125.0
032564	12G0.75	GR	156.0	12.1	308.0
032565	18G0.75	GR	235.0	13.8	420.0
032567	25G0.75	GR	313.0	17.0	579.0
032570	02X1	GR	60.0	8.0	65.0
032571	03G1	GR	71.0	8.5	81.0
032572	04G1	GR	88.0	9.0	96.0
031923	05G1	GR	99.0	9.6	168.0
031986	07G1	GR	128.0	11.2	240.0
030953	12G1	GR	186.0	13.0	358.2
031919	18G1	GR	280.0	15.3	418.0
032574	25G1	GR	378.0	18.4	641.0
032581	02X1.5	GR	79.0	9.1	134.0
032582	03G1.5	GR	94.0	9.7	109.0
031910	04G1.5	GR	119.0	10.3	217.0

POWER CABLES
1 UP TO 30 KV

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TELECOMMUNICATION CABLES

CONTROL AND ELECTRONIC CABLES

CABLE WITH CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE CABLES

MISCELLANEOUS PRODUCTS

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FABER® EFK 300 CP (Drag chain cable)

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
032583	05G1.5	GR	129.0	11.0	148.0
032584	07G1.5	GR	170.0	12.7	325.0
032064	12G1.5	GR	279.0	15.0	416.0
032065	18G1.5	GR	394.0	17.6	564.0
032586	25G1.5	GR	533.0	21.0	888.0
032591	02X2.5	GR	104.0	10.1	198.0
032592	03G2.5	GR	137.0	10.6	284.0
031556	04G2.5	GR	165.0	11.6	321.0
032067	05G2.5	GR	191.0	12.4	293.0
031918	07G2.5	GR	275.0	14.7	418.0
031766	12G2.5	GR	453.0	17.5	589.0
031767	18G2.5	GR	607.0	20.6	885.0
031902	04G4	GR	222.0	14.4	448.0
032596	04G6	GR	348.0	16.6	612.0
032599	04G10	GR	518.0	20.8	984.0
032602	04G16	GR	840.0	24.6	1318.0
032089	05G4	GR	328.0	15.7	505.0
032597	05G6	GR	441.0	18.2	741.0
032600	05G10	GR	638.0	22.7	1058.0
032603	05G16	GR	1050.0	27.0	1710.0
032595	07G4	GR	360.0	18.6	678.0
032598	07G6	GR	505.0	21.6	1028.0
032601	07G10	GR	820.0	27.1	1530.0
032604	07G16	GR	1510.0	32.4	2087.0

FABER® EFK 310 Y (Drag chain cable)



Specification/Standard	UL/CSA
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	PVC
Sheathing material	PVC
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-40 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, fixed installation	5 x DA
Bending cycles, max.	3 Mio.

Application:

Highly flexible control cable for application in permanently moving machine parts or in power chains (indoor). For use in free movement without tensile stress application and in drag chains. The cable is flame-retardant and resistant to most chemicals occurring in industry environment. Please pay attention to our instructions for the use of drag chain cables on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035423	02X0.5	GR	10.0	6.0	44.0
035424	03G0.5	GR	14.4	6.3	48.0
035425	04G0.5	GR	19.2	6.9	60.0
035426	05G0.5	GR	24.0	7.5	72.0
035427	07G0.5	GR	34.0	9.1	104.0
035428	10G0.5	GR	48.0	10.6	142.0
035429	12G0.5	GR	58.0	10.9	148.0
035430	18G0.5	GR	86.4	13.1	221.0
035431	25G0.5	GR	120.0	15.8	319.0
035432	02X0.75	GR	15.0	6.4	52.0

»»» FABER® EFK 310 Y (Drag chain cable)

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035433	03G0.75	GR	22.0	6.9	61.0
035434	04G0.75	GR	29.0	7.4	74.0
035435	05G0.75	GR	36.0	8.3	92.0
035436	07G0.75	GR	50.4	10.0	132.0
035437	10G0.75	GR	72.0	11.6	181.0
035438	12G0.75	GR	86.4	12.0	190.0
035439	18G0.75	GR	130.0	14.3	284.0
035440	25G0.75	GR	180.0	17.3	406.0
035441	02X1	GR	19.2	6.7	60.0
035442	03G1	GR	29.0	7.2	71.0
035443	04G1	GR	38.4	7.8	88.0
035444	05G1	GR	48.0	8.7	109.0
035445	07G1	GR	67.2	10.5	156.0
035446	10G1	GR	96.0	12.2	213.0
035447	12G1	GR	115.2	12.8	233.0
035448	18G1	GR	173.0	15.0	339.0
035449	25G1	GR	240.0	18.2	489.0
035450	02X1.5	GR	29.0	7.6	80.0
035451	03G1.5	GR	43.2	8.0	94.0
035452	04G1.5	GR	58.0	8.9	118.0
035453	05G1.5	GR	72.0	10.0	147.0
035454	07G1.5	GR	101.0	12.0	210.0
035455	10G1.5	GR	144.0	13.1	309.0
035456	12G1.5	GR	173.0	14.6	314.0
035457	18G1.5	GR	259.2	17.4	466.0
035458	25G1.5	GR	360.0	21.0	670.0
035459	02X2.5	GR	48.0	9.0	117.0
035460	03G2.5	GR	72.0	9.7	154.0
035461	04G2.5	GR	96.0	10.6	173.0
035462	05G2.5	GR	120.0	11.8	216.0
035463	07G2.5	GR	168.0	14.5	311.0
035464	12G2.5	GR	288.0	17.5	468.0
035465	03G4	GR	115.2	11.9	238.0
035466	04G4	GR	154.0	13.1	284.0
035467	05G4	GR	192.0	14.5	352.0
035468	03G6	GR	173.0	13.0	312.0
035469	04G6	GR	230.4	14.4	368.0
035470	05G6	GR	288.0	16.0	498.0

POWER CABLES
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FABER® EFK 310 CY (Drag chain cable)



Specification/Standard	UL/CSA
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	PVC
Material inner sheath	PVC
Screen	copper braid, tinned
Screen coverage	85 %
Sheathing material	PVC
Colour outer sheath	grey RAL 7001
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-40 - +70 °C

Application:

Highly flexible data cable for use in moving applications under extreme conditions with specific EMC (electromagnetic compatibility) requirements. It is applicable in standard drag chains without tensile load. The cable is flame-retardant, and largely resistant to most chemicals used in industrial environment. Please pay attention to our instructions for the use of drag chain cables on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035471	02X0.5	GR	32.0	7.7	98.0
035472	03G0.5	GR	38.0	8.0	107.0
035473	04G0.5	GR	45.4	9.0	131.0
035474	05G0.5	GR	53.0	9.8	153.0
035475	07G0.5	GR	68.0	11.3	201.0
035476	10G0.5	GR	94.0	12.9	249.0
035477	12G0.5	GR	105.0	13.2	272.0
035478	18G0.5	GR	142.2	15.6	379.0
035479	25G0.5	GR	211.3	18.7	539.0
035480	02X0.75	GR	38.1	8.3	115.0
035481	03G0.75	GR	48.0	8.9	132.0
035482	04G0.75	GR	57.0	9.4	151.0
035483	05G0.75	GR	67.0	10.3	177.0
035484	07G0.75	GR	87.1	12.0	234.0
035485	10G0.75	GR	121.1	13.7	291.0
035486	12G0.75	GR	137.2	14.3	328.0
035487	18G0.75	GR	212.3	17.2	483.0
035488	25G0.75	GR	279.0	20.2	652.0
035490	02X1	GR	44.1	8.6	127.0
035491	03G1	GR	56.0	9.2	146.0
035492	04G1	GR	68.0	10.0	173.0
035493	05G1	GR	80.3	10.7	199.0
035494	07G1	GR	112.1	12.8	277.0
035495	10G1	GR	148.0	14.5	337.0
035496	12G1	GR	170.0	15.1	380.0
035497	18G1	GR	260.2	17.9	549.0
035498	25G1	GR	345.0	21.1	744.0
035499	02X1.5	GR	58.0	9.8	165.0
035500	03G1.5	GR	74.0	10.3	186.0
035501	04G1.5	GR	91.0	11.2	221.0
035502	05G1.5	GR	109.0	12.0	256.0
035503	07G1.5	GR	152.0	14.3	357.0
035504	10G1.5	GR	218.0	15.6	475.0
035505	12G1.5	GR	258.0	17.5	528.0
035506	18G1.5	GR	359.1	20.3	726.0
035507	25G1.5	GR	481.4	24.3	1009.0
035508	02X2.5	GR	82.0	11.2	223.0
035509	03G2.5	GR	108.0	11.8	253.0
035510	04G2.5	GR	141.4	12.9	311.0
035511	05G2.5	GR	170.0	14.1	369.0
035512	07G2.5	GR	252.0	17.4	538.0
035513	12G2.5	GR	389.0	20.4	746.0
035514	03G4	GR	165.0	13.8	366.0



FABER® EFK 310 CY (Drag chain cable)

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035515	04G4	GR	209.0	15.2	451.0
035516	05G4	GR	275.3	17.2	570.0
035517	03G6	GR	228.0	15.1	465.0
035518	04G6	GR	313.0	17.1	596.0
035519	05G6	GR	379.0	18.7	710.0

FABER® EFK Feedback-CP Indramat® (Drag chain cable)



Standard	Indramat® Standard INK
Specification/Standard	UL/CSA
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	TPE
Screen	copper braid, tinned
Screen coverage	85 %
Sheathing material	polyurethan
Colour outer sheath	orange RAL 2003
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1

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 on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035278	[04X2X0.25 + 2X0.5] cUL - INK-0448	OR	70.0	9.0	95.0
035279	[04X2X0.25 + 2X1] cUL - INK-0209	OR	93.0	9.1	118.0
035280	[09X0.5] cUL - INK-0208	OR	81.0	9.1	119.0
035281	[04X1 + 4X2X0.14 + (4X0.14)] cUL - INK-0532	OR	85.0	9.7	142.0
035282	[03X0.25 + 3X(2X0.25)D + 2X1] cUL - INK-0280	OR	93.1	10.0	143.0
035283	[02X2X0.25 + 2X0.5] cUL - INK-0750	OR	51.2	7.6	84.0

FABER® EFK Feedback-CP Siemens (Drag chain cable)



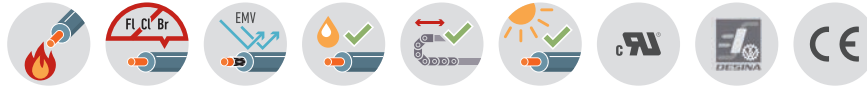
Standard	Siemens Standard 6FX8008+
Specification/Standard	UL/CSA
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	polypropylene
Screen	copper braid, tinned
Screen coverage	85 %
Sheathing material	polyurethan
Colour outer sheath	green RAL 6018 (DESINA)
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1

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 on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035306	[08X2X0.18] cUL - 6FX8008-1BD11	GN	54.0	7.8	88.0
035307	[04X2X0.38 + 4X0.5] cUL - 6FX8008-1BD21	GN	83.0	8.9	123.0
035308	[03X(2X0.14) + 2X(0.5)] cUL - 6FX8008-1BD31	GN	74.0	9.0	109.0
035309	[03X(2X0.14) + 4X0.14 + 2X0.5] cUL - 6FX8008-1BD41	GN	66.0	8.9	106.0
035310	[03X(2X0.14) + 4X0.14 + 2X0.5 + 4X0.25] cUL - 6FX8008-1BD51	GN	86.0	9.5	136.0
035312	[02X2X0.18] cUL - 6FX8008-1BD71	GN	24.0	5.0	40.0
035311	[04X2X0.18] cUL - 6FX8008-1BD61	GN	35.0	6.4	57.0
035313	[12X0.25] cUL - 6FX8008-1BD81	GN	65.0	6.9	79.0

FABER® EFK Servo-CP Indramat® (Drag chain cable)



Standard	Indramat® Standard INK
Specification/Standard	UL/CSA
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	TPE
Screen coverage	85 %
Sheathing material	polyurethan
Colour outer sheath	orange RAL 2003 (DESINA)
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1
Permitted outer cable temperature, fixed	-50 - +80 °C

Application:

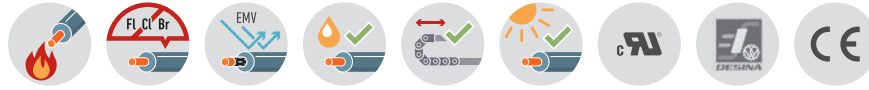
Connection cable between servo controller and frequency driven motor. For application in machine tools and drag chains with medium mechanical stress. Please pay attention to our instructions for the use of drag chain cables on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035268	[04G0.75 + (2X0.5)StD] cUL - INK-0670	OR	88.0	10.0	145.0
035269	[04G1 + 2x(2x0.75)StC] cUL - INK-0653	OR	170.0	12.3	226.0
035270	[04G1.5 + 2x(2x0.75)StC] cUL - INK-0650	OR	189.0	12.3	260.0
035271	[04G2.5 + 2x(2x1)StC] cUL - INK-0602	OR	229.0	14.8	326.0
035272	[04G4 + (2x1.5)StC + (2x1.0)StC] cUL - INK-0603	OR	318.0	17.0	458.0
035165	[04G6 + (2x1.5)StC + (2x1.0)StC] cUL - INK-0604	OR	445.0	18.5	584.0
035273	[04G10 + (2x1.5)StC + (2x1.0)StC] cUL - INK-0605	OR	610.0	21.9	846.0
035274	[04G16 + 2x(2x1.5)StC] cUL - INK-0606	OR	904.0	25.5	1154.0
035275	[04G25 + 2x(2x1.5)StC] cUL - INK-0607	OR	1323.0	29.5	1588.0
035276	[04G35 + 2x(2x1.5)StC] cUL - INK-0667	OR	1645.0	31.0	2097.0

FABER® EFK Servo-CP Siemens (Drag chain cable)



FACAB 10605 EFK SERVO CP 6FX8008-1BB21 4G2



Standard	Siemens Standard 6FX8008+
Specification/Standard	UL/CSA
Conductor material	bare copper
Conductor class	class 6 = extra finely stranded
Insulation	polypropylene
Screen	copper braid, tinned
Screen coverage	85 %
Sheathing material	polyurethan
Colour outer sheath	orange RAL 2003 (DESINA)
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Oil-resistant	EN 60811-2-1

Application:

Low-capacitance 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 on our website.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
035285	[04G1.5] cUL - 6FX8008-1BB11	OR	90.0	9.0	159.0
035286	[04G2.5] cUL - 6FX8008-1BB21	OR	135.0	10.6	235.0
035287	[04G4] cUL - 6FX8008-1BB31	OR	205.5	11.9	323.0
035288	[04G6] cUL - 6FX8008-1BB41	OR	315.0	14.7	464.0
035289	[04G10] cUL - 6FX8008-1BB51	OR	488.0	17.5	672.0
035290	[04G16] cUL - 6FX8008-1BB61	OR	769.0	21.6	1089.0
035291	[04G25] cUL - 6FX8008-1BB25	OR	1100.0	25.4	1523.0
035292	[04G35] cUL - 6FX8008-1BB35	OR	1510.0	29.7	2080.0
035293	[04G50] cUL - 6FX8008-1BB50	OR	2130.0	33.4	2710.0
035294	[04G70] cUL - 6FX8008-1BB70	OR	3025.0	42.5	4123.0
035295	[04G1.5 + (2X1.5)] cUL - 6FX8008-1BA11	OR	163.5	11.6	244.0
035296	[04G2.5 + (2X1.5)] cUL - 6FX8008-1BA21	OR	189.0	13.4	310.0
035297	[04G4 + (2X1.5)] cUL - 6FX8008-1BA31	OR	260.5	14.8	408.0
035298	[04G6 + (2X1.5)] cUL - 6FX8008-1BA41	OR	365.0	16.8	540.0
035299	[04G10 + (2X1.5)] cUL - 6FX8008-1BA51	OR	560.0	19.9	782.0
035300	[04G16 + (2X1.5)] cUL - 6FX8008-1BA61	OR	816.0	22.5	1101.0
035301	[04G25 + (2X1.5)] cUL - 6FX8008-1BA25	OR	1172.0	26.2	1490.0
035302	[04G35 + (2X1.5)] cUL - 6FX8008-1BA35	OR	1595.0	29.8	2015.0
035303	[04G50 + (2X1.5)] cUL - 6FX8008-1BA50	OR	2214.0	34.0	2754.0

Li2YCY PiMF



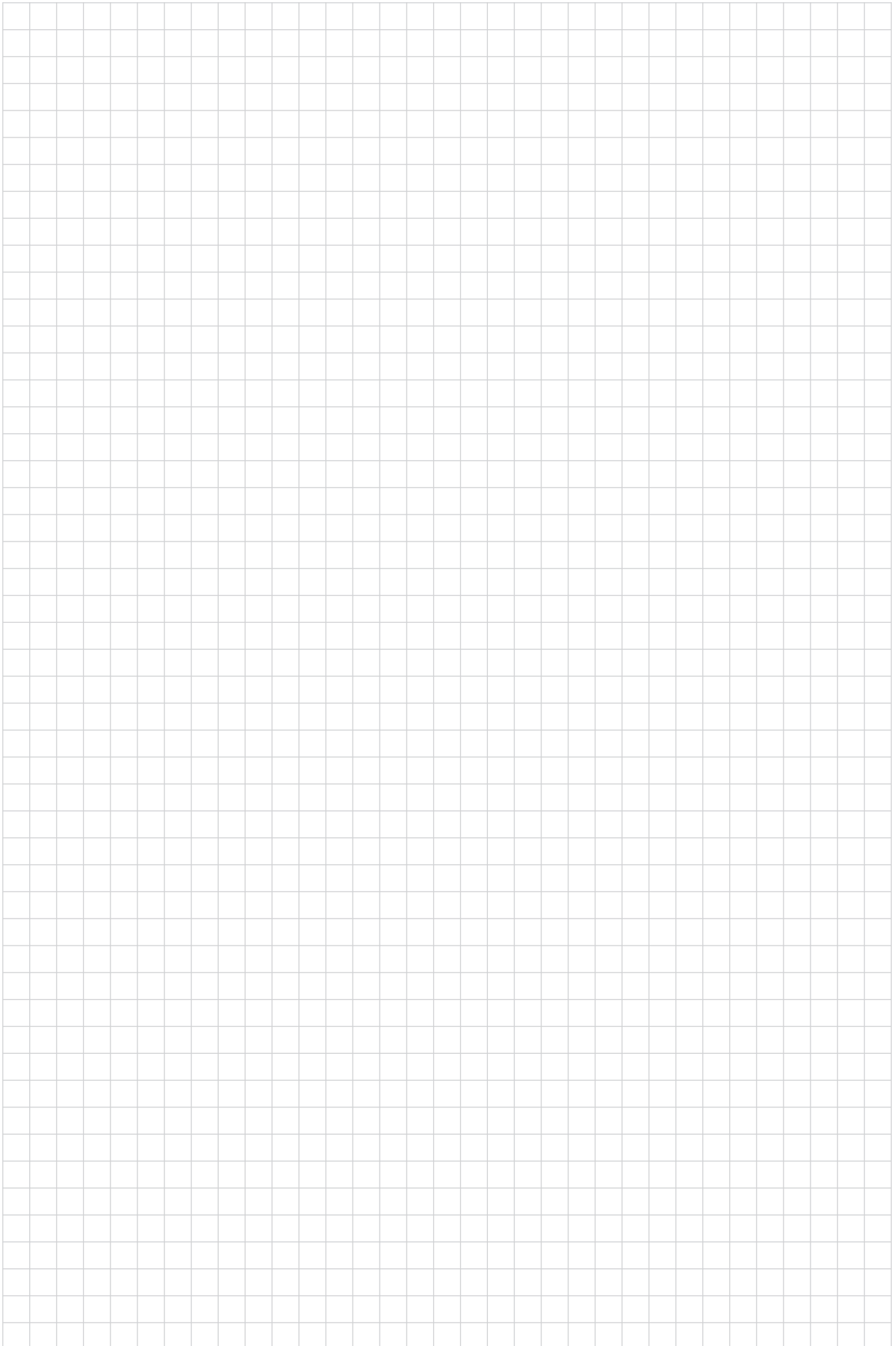
Conductor material	bare copper
Conductor class	class 5 = fine stranded
Insulation	polyethylene
Stranding unit	pair
Stranding	pairs in layers
Screen over stranding unit	foil
Screen over strand	Cu-braid, tinned
Screen coverage	80 %
Sheathing material	PVC
Colour outer sheath	grey
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
For outdoor use	yes

Application:

Data cable with low operating capacity, pair shielding and overall shielding. Suitable for connecting process measurement and control components in environments with high interference levels. The combination of film pair shielding and mesh overall shielding ensures optimal protection from high- and low-frequency interference. For permanent installation in dry and humid rooms.

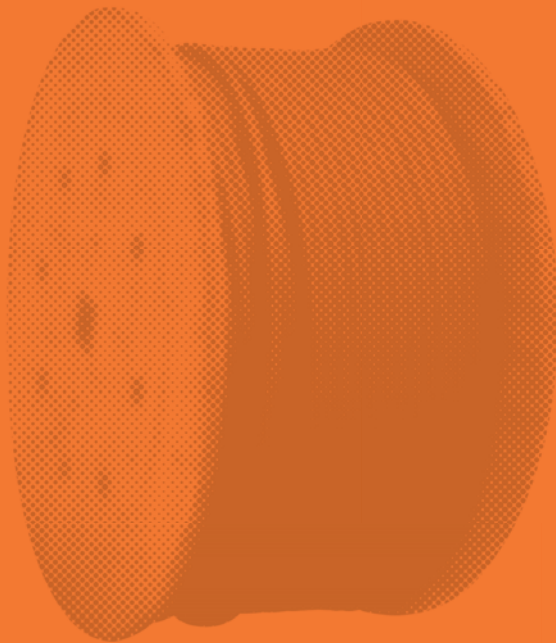
Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
031796	02X2X0.5	GR	47.0	9.7	96.0
031797	04X2X0.5	GR	109.0	11.4	141.0
034587	02X2X0.75	GR	61.0	10.4	117.0
034589	04X2X0.75	GR	141.0	12.4	222.0
032365	02X2X1	GR	72.0	11.8	130.0
031778	04X2X1	GR	187.0	14.0	360.0

NOTES





CABLE WITH CIRCUIT INTEGRITY



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COMMUNICATION CABLES WITH CIRCUIT INTEGRITY 207

JE-H(St)H FE180/E30	207
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APPENDIX

(N)HXH-O E30



Fig. similar



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30
Maximum permitted conductor temperature	90 °C

Application:

For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in the ground and not for use in water. The cable has improved properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is 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 Civil Engineering Materials Testing Institute-. 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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011238	01X4 RE	OR	38.0	6.9	100.0
011240	01X6 RE	OR	58.0	7.9	120.0
011229	01X10 RE	OR	96.0	8.1	160.0
011232	01X16 RE	OR	154.0	8.9	200.0
011235	01X25 RM	OR	240.0	10.9	310.0
011237	01X35 RM	OR	336.0	11.9	410.0
011239	01X50 RM	OR	480.0	12.9	540.0
011241	01X70 RM	OR	672.0	15.9	740.0
011242	01X95 RM	OR	912.0	17.9	1020.0
011230	01X120 RM	OR	1152.0	18.9	1380.0
011231	01X150 RM	OR	1440.0	20.9	1560.0
011233	01X185 RM	OR	1776.0	23.9	1930.0
011234	01X240 RM	OR	2304.0	26.9	2540.0
011236	01X300 RM	OR	2880.0	32.9	3180.0
011243	02X1.5 RE	OR	29.0	10.2	190.0
011246	02X2.5 RE	OR	48.0	10.9	220.0
011248	02X4 RE	OR	77.0	11.9	270.0
011249	02X6 RE	OR	115.0	12.8	320.0
011244	02X10 RE	OR	192.0	14.4	430.0
011245	02X16 RE	OR	307.0	17.3	620.0
011247	02X25 RM	OR	480.0	21.1	900.0

(N)HXH-J E30



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30
Maximum permitted conductor temperature	90 °C

Application:

For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in the ground and not for use in water. The cable has improved properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is 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 Civil Engineering Materials Testing Institute-. 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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km	
011044	03X1.5	RE	OR	43.0	10.9	210.0
011171	03X2.5	RE	OR	72.0	11.9	260.0
011172	03X4	RE	OR	115.0	12.9	320.0
011194	03X6	RE	OR	173.0	13.9	400.0
011182	03X10	RE	OR	288.0	15.9	550.0
011185	03X16	RE	OR	461.0	17.9	790.0
011251	03X25	RM	OR	720.0	23.9	1150.0
011253	03X35	RM	OR	1008.0	25.9	1490.0
011255	03X50	RM	OR	1440.0	28.9	1980.0
011257	03X70	RM	OR	2016.0	31.9	2830.0
011252	03X25/16	RM	OR	874.0	23.4	1500.0
011254	03X35/16	RM	OR	1162.0	26.9	1800.0
011256	03X50/25	RM	OR	1680.0	29.9	2600.0
011258	03X70/35	RM	OR	2352.0	34.9	3400.0
011186	03X95/50	RM	OR	3216.0	38.9	4600.0
011269	03X120/70	RM	OR	4128.0	42.9	5700.0
011270	03X150/70	RM	OR	4992.0	46.9	6800.0
011271	03X185/95	RM	OR	6240.0	52.9	8500.0
011272	03X240/120	RM	OR	8064.0	58.8	11000.0
011188	04X1.5	RE	OR	58.0	11.9	240.0
011045	04X2.5	RE	OR	96.0	12.9	300.0
011217	04X4	RE	OR	154.0	13.9	390.0
011218	04X6	RE	OR	230.0	14.9	490.0
011219	04X10	RE	OR	384.0	16.9	670.0
011220	04X16	RE	OR	614.0	19.9	950.0
011221	04X25	RM	OR	960.0	24.9	1430.0
011189	04X35	RM	OR	1344.0	27.9	1890.0
011222	04X50	RM	OR	1920.0	31.9	2510.0
011196	04X70	RM	OR	2688.0	36.9	3650.0
011261	04X95	RM	OR	3648.0	40.9	4750.0



▶▶▶ (N)HXH-J E30

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011259	04X120	RM	OR	4608.0	44.9	5910.0
011260	04X150	RM	OR	5760.0	49.9	7240.0
013794	04X185	RM	OR	7104.0	59.8	9704.0
011190	05X1.5	RE	OR	72.0	12.9	280.0
011046	05X2.5	RE	OR	120.0	13.9	354.0
011192	05X4	RE	OR	192.0	14.9	450.0
011193	05X6	RE	OR	288.0	16.9	570.0
011173	05X10	RE	OR	480.0	18.9	820.0
011195	05X16	RE	OR	768.0	22.9	1140.0
011262	05X25	RM	OR	1200.0	26.6	1710.0
012469	05X35	RM	OR	1680.0	30.5	2384.0
011047	07X1.5	RE	OR	101.0	13.9	330.0
013127	10X1.5	RE	OR	144.0	18.0	580.0
011214	12X1.5	RE	OR	173.0	18.9	500.0
011263	19X1.5	RE	OR	274.0	21.9	720.0
011265	24X1.5	RE	OR	346.0	24.9	890.0
011267	30X1.5	RE	OR	432.0	25.9	1090.0
011223	07X2.5	RE	OR	168.0	14.9	430.0
012838	10X2.5	RE	OR	240.0	18.0	522.0
011180	12X2.5	RE	OR	288.0	21.9	650.0
011264	19X2.5	RE	OR	456.0	23.9	950.0
011266	24X2.5	RE	OR	576.0	26.9	1210.0
011268	30X2.5	RE	OR	720.0	28.9	1470.0

POWER CABLES
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APPENDIX

(N)HXCH E30



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	FRNC-compound HI1
Concentric conductor	Cu
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30

Application:

For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in the ground and not for use in water. The cable has improved properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is 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 Civil Engineering Materials Testing Institute-. 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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011505	02X1.5/1.5 RE	OR	52.0	10.8	300.0
011506	02X2.5/2.5 RE	OR	80.0	11.9	350.0
011507	02X4/4 RE	OR	123.0	12.9	420.0
013253	02X6/6 RE	OR	182.0	15.0	301.0
011278	03X1.5/1.5 RE	OR	66.0	11.9	320.0
011215	03X2.5/2.5 RE	OR	104.0	12.9	380.0
013753	03X4/4 RE	OR	161.0	17.2	422.0
013754	03X6/6 RE	OR	240.0	18.3	513.0
013755	03X10/10 RE	OR	408.0	20.4	711.0
013756	03X16/16 RE	OR	643.0	22.9	1033.0
013856	03X25/16 RM	OR	902.0	26.7	1420.0
013857	03X50/25 RM	OR	1723.0	33.8	2342.0
013858	03X70/35 RM	OR	2410.0	39.0	3174.0
013859	03X95/50 RM	OR	3296.0	43.8	4269.0
013860	03X120/70 RM	OR	4236.0	47.4	5299.0
011831	03X150/70 RM	OR	5100.0	46.9	7713.0
011832	03X185/95 RM	OR	6383.0	52.9	8810.0
011280	04X1.5/1.5 RE	OR	81.0	13.9	249.0
011281	04X2.5/2.5 RE	OR	128.0	14.1	313.0
011282	04X4/4 RE	OR	200.0	14.9	412.0
011226	04X6/6 RE	OR	297.0	16.9	522.0
011224	04X10/10 RE	OR	504.0	18.9	746.0
011181	04X16/16 RE	OR	796.0	21.9	1119.0
011167	04X25/16 RM	OR	1142.0	28.1	1583.0
011183	04X35/16 RM	OR	1526.0	31.1	2002.0
011227	04X50/25 RM	OR	2203.0	36.2	2700.0
011168	04X70/35 RM	OR	3082.0	41.5	3838.0
011184	04X95/50 RM	OR	4208.0	45.0	5181.0
011274	04X120/70 RM	OR	5388.0	50.1	6500.0
011275	04X150/70 RM	OR	6540.0	52.9	7950.0



▶▶▶ (N)HXCH E30

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011276	04X185/95	RM	OR	8159.0	60.5	10130.0
011277	04X240/120	RM	OR	10546.0	64.9	13190.0
011279	07X1.5/2.5	RE	OR	133.0	16.9	500.0
011283	07X2.5/2.5	RE	OR	200.0	17.9	600.0
011284	12X1.5/2.5	RE	OR	205.0	19.9	700.0
011285	12X2.5/4	RE	OR	334.0	21.9	900.0
013621	19X1.5/2.5	RE	OR	310.0	24.8	913.0
013622	24X1.5/2.5	RE	OR	383.0	28.6	1113.0

(N)HXH-O Plus



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30
Maximum permitted conductor temperature	90 °C

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 properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is 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).

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
015020	02X1.5	RE	OR	29.0	7.8	95.0
015021	02X2.5	RE	OR	48.0	8.8	130.0
015022	02X4	RE	OR	77.0	10.2	180.0
015023	02X6	RE	OR	115.0	11.3	235.0
015024	02X10	RE	OR	192.0	13.8	365.0

(N)HXH-J Plus



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30
Maximum permitted conductor temperature	90 °C

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 properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is 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).

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
015025	03X1.5 RE	OR	43.0	8.0	115.0
015026	03X2.5 RE	OR	72.0	9.2	160.0
015027	03X4 RE	OR	115.0	10.8	220.0
015028	03X6 RE	OR	173.0	12.2	295.0
015029	03X10 RE	OR	288.0	14.6	455.0
015030	04X1.5 RE	OR	58.0	9.1	140.0
015031	04X2.5 RE	OR	96.0	10.4	195.0
015032	04X6 RE	OR	230.0	13.5	375.0
015033	04X10 RE	OR	384.0	16.2	575.0
015034	05X1.5 RE	OR	72.0	10.0	165.0
015035	05X2.5 RE	OR	120.0	11.3	230.0
015036	05X4 RE	OR	192.0	13.0	325.0
015037	05X6 RE	OR	288.0	14.8	445.0
015038	05X10 RE	OR	480.0	17.9	705.0
015039	07X1.5 RE	OR	101.0	10.8	210.0
015040	07X2.5 RE	OR	168.0	12.5	300.0

(N)HXCH Plus



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	FRNC-compound HI1
Concentric conductor	Cu
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30

Application:

Cable with concentric conductor 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 properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is 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).

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
015045	02X1.5/1.5	RE	OR	52.0	11.2	165.0
015046	02X2.5/2.5	RE	OR	80.0	12.3	215.0
015047	02X4/4	RE	OR	123.0	14.5	295.0
015048	02X6/6	RE	OR	183.0	15.8	385.0
015049	02X10/10	RE	OR	312.0	18.8	580.0
015050	03X1.5/1.5	RE	OR	66.0	11.8	195.0
015051	03X2.5/2.5	RE	OR	104.0	12.8	245.0
015052	03X4/4	RE	OR	161.0	15.2	350.0
015053	03X6/6	RE	OR	240.0	16.7	460.0
015054	03X10/10	RE	OR	408.0	19.9	680.0
015055	04X1.5/1.5	RE	OR	81.0	12.5	220.0
015056	04X2.5/2.5	RE	OR	128.0	13.9	290.0
015057	04X4/4	RE	OR	200.0	16.2	415.0
015058	04X6/6	RE	OR	297.0	17.8	535.0
015059	04X10/10	RE	OR	504.0	21.5	815.0
015060	05X1.5/1.5	RE	OR	95.0	13.5	255.0
015061	05X2.5/2.5	RE	OR	152.0	14.8	330.0
015062	05X4/4	RE	OR	238.0	17.5	470.0
015063	05X6/6	RE	OR	346.0	19.2	625.0
015064	05X10/10	RE	OR	576.0	23.0	955.0
015072	07X1.5/2.5	RE	OR	133.0	14.3	310.0
015066	07X2.5/2.5	RE	OR	200.0	16.0	500.0

POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

FLEXIBLE
WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
ELECTRONIC CABLES

CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLES

MISCELLANEOUS
PRODUCTS

TECHNICAL
APPENDIX

(N)HXH-O E90



Fig. similar



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E90
Maximum permitted conductor temperature	90 °C

Application:

For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in the ground and not for use in water. The cable has improved properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is fire-resistant according to VDE 0472 part 814 (180 min., = IEC 60331), EN 50200 and EN 50362. 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). A special test certificate about the circuit integrity is issued by -The Civil Engineering Materials Testing Institute-. 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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
012020	01X16 RE	OR	154.0	10.5	230.0
012021	01X25 RM	OR	240.0	12.5	340.0
012022	01X35 RM	OR	336.0	13.5	440.0
011757	01X50 RM	OR	480.0	13.9	600.0
011843	01X70 RM	OR	672.0	16.5	800.0
011756	01X95 RM	OR	912.0	18.9	1100.0
011744	01X120 RM	OR	1152.0	20.5	1350.0
011177	01X150 RM	OR	1440.0	22.5	1650.0
011755	01X185 RM	OR	1776.0	24.9	2000.0
011754	01X240 RM	OR	2304.0	27.9	2600.0
011178	01X300 RM	OR	2880.0	30.9	3200.0
012221	01X400 RM	OR	3840.0	34.9	4200.0
012011	02X1.5 RE	OR	29.0	13.9	210.0
013912	04X95 RM	OR	3648.0	45.2	5200.0
013913	04X120 RM	OR	4608.0	48.9	6300.0

(N)HXH-J E90



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E90
Maximum permitted conductor temperature	90 °C

Application:

For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in the ground and not for use in water. The cable has improved properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is fire-resistant according to VDE 0472 part 814 (180 min., = IEC 60331), EN 50200 and EN 50362. 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). A special test certificate about the circuit integrity is issued by -The Civil Engineering Materials Testing Institute-. 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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
010951	03X1.5 RE	OR	43.0	14.9	210.0
010952	03X2.5 RE	OR	72.0	15.9	243.0
010953	03X4 RE	OR	115.0	16.7	302.0
010954	03X6 RE	OR	173.0	17.8	399.0
010955	03X10 RE	OR	288.0	19.4	546.0
010956	03X16 RE	OR	461.0	22.3	765.0
014073	03X25 RM	OR	720.0	24.3	1296.0
014074	03X35 RM	OR	1008.0	27.2	1653.0
014075	03X50 RM	OR	1440.0	30.8	2172.0
014076	03X70 RM	OR	2016.0	34.9	2984.0
010957	04X1.5 RE	OR	58.0	16.1	245.0
010958	04X2.5 RE	OR	96.0	16.9	299.0
010959	04X4 RE	OR	154.0	17.9	376.0
010960	04X6 RE	OR	230.0	19.2	474.0
010961	04X10 RE	OR	384.0	21.1	657.0
010962	04X16 RE	OR	614.0	24.3	973.0
010963	04X25 RM	OR	960.0	28.1	1422.0
010964	04X35 RM	OR	1344.0	30.9	1858.0
011950	04X50 RM	OR	1920.0	35.1	2900.0
011955	04X70 RM	OR	2688.0	39.9	3900.0
011949	04X95 RM	OR	3648.0	45.2	5200.0
011956	04X120 RM	OR	4608.0	48.9	6300.0
011869	04X150 RM	OR	5760.0	50.9	6800.0
013666	04X185 RM	OR	7104.0	62.1	8698.0
011963	04X240 RM	OR	9216.0	64.9	10700.0
010965	05X1.5 RE	OR	72.0	17.4	290.0
010966	05X2.5 RE	OR	120.0	18.4	359.0
010967	05X4 RE	OR	192.0	19.5	457.0
010968	05X6 RE	OR	288.0	20.9	577.0
010969	05X10 RE	OR	480.0	22.9	807.0
010970	05X16 RE	OR	768.0	26.6	1145.0
010971	05X25 RM	OR	1200.0	30.9	1765.0



»»» (N)HXH-J E90

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
013667	05X35	RM	OR	1680.0	33.3	2462.0
013668	05X70	RM	OR	3360.0	43.1	4559.0
013669	05X95	RM	OR	4560.0	49.3	6150.0
014077	05X120	RM	OR	5760.0	53.4	7495.0
013670	05X150	RM	OR	7200.0	59.4	9157.0
013671	05X185	RM	OR	8880.0	68.0	10836.0
010989	07X1.5	RE	OR	101.0	18.6	350.0
013128	10X1.5	RE	OR	144.0	20.0	538.0
011020	12X1.5	RE	OR	173.0	23.5	545.0
011982	12X2.5	RE	OR	288.0	25.2	780.0
011162	24X1.5	RE	OR	346.0	26.9	735.0
011124	07X2.5	RE	OR	168.0	19.8	443.0
013293	07X4	RE	OR	269.0	17.4	565.0
012928	07X6	RE	OR	403.2	18.9	718.0

(N)HXCH E90



Standard	VDE 0266
Conductor material	bare copper
Conductor class	class 1, from 25 sqmm class 2
Insulation	FRNC-compound HI1
Concentric conductor	Cu
Sheathing material	FRNC-compound HM1
Colour outer sheath	orange
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E90

Application:

For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in the ground and not for use in water. The cable has improved properties in case of fire and may be used in public buildings with high safety requirements. The cable is halogen-free, has a low smoke density and is 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 Civil Engineering Materials Testing Institute-. 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.

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011042	03X1.5/1.5	RE	OR	66.0	16.8	348.0
011043	03X2.5/2.5	RE	OR	104.0	17.9	410.0
011209	03X4/4	RE	OR	161.0	18.9	500.0
011208	03X6/6	RE	OR	240.0	20.9	614.0
011207	03X10/10	RE	OR	408.0	24.1	830.0
011206	03X16/16	RE	OR	643.0	27.3	1073.0
011205	03X25/16	RM	OR	902.0	30.7	1450.0
011204	03X35/16	RM	OR	1190.0	33.3	1798.0



▶▶▶ (N)HXCH E90

Item number	Item name		Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
011197	03X50/25	RM	OR	1723.0	37.4	2394.0
011203	03X70/35	RM	OR	2410.0	42.5	2796.0
011213	03X95/50	RM	OR	3296.0	47.8	4434.0
011202	03X120/70	RM	OR	4236.0	51.4	5534.0
011201	03X150/70	RM	OR	5100.0	55.7	6546.0
011200	03X185/95	RM	OR	6383.0	61.7	8303.0
011198	03X240/120	RM	OR	8242.0	67.9	10605.0
010995	04X1.5/1.5	RE	OR	81.0	17.9	398.0
010996	04X2.5/2.5	RE	OR	128.0	19.2	470.0
010997	04X4/4	RE	OR	200.0	20.3	578.0
010987	04X6/6	RE	OR	297.0	22.5	726.0
010994	04X10/10	RE	OR	504.0	26.4	983.0
010998	04X16/16	RE	OR	796.0	29.3	1370.0
010999	04X25/16	RM	OR	1142.0	33.1	1904.0
010993	04X35/16	RM	OR	1526.0	35.9	2427.0
011000	04X50/25	RM	OR	2203.0	41.1	3177.0
011001	04X70/35	RM	OR	3082.0	46.2	4378.0
011002	04X95/50	RM	OR	4208.0	51.9	5803.0
011003	04X120/70	RM	OR	5388.0	55.9	7230.0
011004	04X150/70	RM	OR	6540.0	60.9	8707.0
011005	04X185/95	RM	OR	8159.0	67.5	10894.0
011006	04X240/120	RM	OR	10546.0	74.4	13933.0
011747	05X2.5/2.5	RE	OR	152.0		480.0
011749	05X4/4	RE	OR	238.0	20.5	600.0
010988	07X1.5/2.5	RE	OR	133.0	20.9	498.0
011007	07X2.5/2.5	RE	OR	200.0	22.1	680.0
012739	10X1.5/2.5	RE	OR	176.0	23.1	520.0
011008	12X1.5/2.5	RE	OR	205.0	26.2	718.0
011009	12X2.5/4	RE	OR	334.0	28.4	1050.0
011748	12X4/6	RE	OR	528.0		1100.0
011210	24X1.5/6	RE	OR	413.0	37.6	1305.0
011211	24X2.5/10	RE	OR	696.0	40.9	1400.0
011212	30X1.5/6	RE	OR	499.0	39.8	1519.0
011199	30X2.5/10	RE	OR	840.0	42.9	1550.0

POWER CABLES
1 UP TO 30 KV

BUILDING
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MISCELLANEOUS
PRODUCTS

TECHNICAL
APPENDIX

JE-H(St)H FE180/E30



Standard	VDE 0815
Conductor material	tinned copper
Conductor class	class 1 = solid
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM2
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30
Permitted outer cable temperature, fixed	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA

Application:

For signal transmission within systems for measuring-, control-, data- and regulation technology and for use as an installation cable in fire hazard rooms with a high concentration of people or material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100418	02X2X0.8	OR	25.0	7.5	76.0
100419	04X2X0.8	OR	45.0	9.3	130.0
100420	08X2X0.8	OR	85.0	11.4	232.0
100421	12X2X0.8	OR	126.0	13.5	318.0
100423	20X2X0.8	OR	206.0	16.5	514.0
100424	32X2X0.8	OR	326.0	19.5	730.0
100426	52X2X0.8	OR	529.0	25.2	1200.0

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



Standard	VDE 0815
Conductor material	bare copper
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM2
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30-E90
Permitted outer cable temperature, fixed	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA
Core identification	colours + rings

Application:

For signal transmission within systems for measuring-, control-, data- and regulation technology and for use as an installation cable in fire hazard rooms with a high concentration of people and material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100275	02X2X0.8	OR	25.0	7.4	76.0
100276	04X2X0.8	OR	45.0	11.1	130.0
100277	08X2X0.8	OR	85.0	15.6	232.0
100292	12X2X0.8	OR	126.0	18.1	318.0



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

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100278	16X2X0.8	OR	166.0	19.8	430.0
100279	20X2X0.8	OR	206.0	22.5	514.0
100280	32X2X0.8	OR	326.0	27.7	730.0
100281	40X2X0.8	OR	407.0	30.8	962.0
100282	52X2X0.8	OR	529.0	34.7	1200.0

JE-H(St)H FE180/E30 Fire signalisation cable



Conductor material	bare copper
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM2
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30
Permitted outer cable temperature, fixed	-30 - +70 °C
Bending radius, fixed installation	7.5 x DA
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 hazard rooms with a high concentration of people or material assets and for installation of circuits with circuit integrity E30/ E90 according to DIN 4102 part 12, with tested cable systems. For fixed installation in dry and damp areas on certified carrier systems. By the special sheath printing -Brandmeldekabel- this cable is particularly designed for the use in fire signalisation systems.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100427	02X2X0.8	RT	25.0	7.5	76.0
100428	04X2X0.8	RT	45.0	9.3	130.0
100429	08X2X0.8	RT	85.0	11.4	232.0
100430	12X2X0.8	RT	126.0	13.5	318.0
100432	20X2X0.8	RT	206.0	16.5	514.0
100433	32X2X0.8	RT	326.0	20.5	730.0
100435	52X2X0.8	RT	529.0	25.1	1200.0

JE-H(St)H FE180/E30-E90 Fire signalisation cable



Standard	VDE 0815
Conductor material	bare copper
Insulation	FRNC-compound HI1
Sheathing material	FRNC-compound HM2
Colour outer sheath	red
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30-E90
Permitted outer cable temperature, fixed	-5 - +50 °C
Bending radius, fixed installation	7.5 x DA

Application:

For signal transmission between electronic devices, in computer systems of process control units in fire hazard rooms with a high concentration of people or material assets and for installation of circuits with circuit integrity E30/E90 according to DIN 4102 part 12, with tested cable systems. For fixed installation in dry and damp areas on certified carrier systems. By the special sheath printing -Brandmeldekabel- this cable is particularly designed for the use in fire signalisation systems.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100283	02X2X0.8	RT	25.0	7.4	76.0
100284	04X2X0.8	RT	45.0	11.1	130.0
100285	08X2X0.8	RT	85.0	15.6	232.0
100286	12X2X0.8	RT	126.0	18.1	318.0
100288	20X2X0.8	RT	206.0	22.5	514.0
100289	32X2X0.8	RT	326.0	27.7	730.0
100291	52X2X0.8	RT	529.0	34.7	1200.0

JE-H(St)HRH FE180/E30-E90 Fire signalisation cable

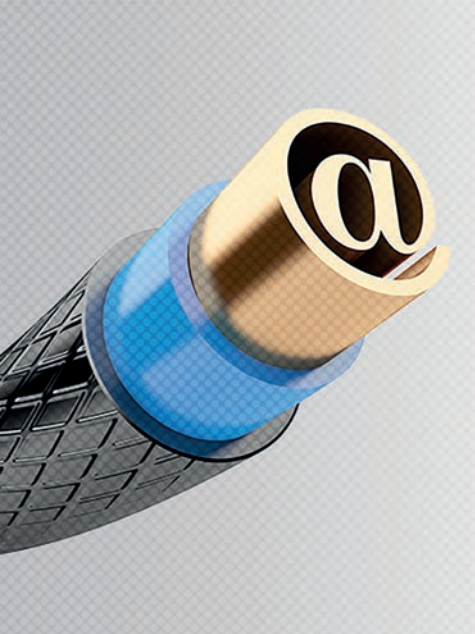


Standard	VDE 0815
Conductor material	tinned copper
Conductor class	class 1 = solid
Insulation	FRNC-compound HI1
Armour	round or flat steel wires, galvanized
Sheathing material	FRNC-compound HM2
Colour outer sheath	red
Flame-retardant	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Fire-resistant	FE 180
Circuit integrity	E30-E90

Application:

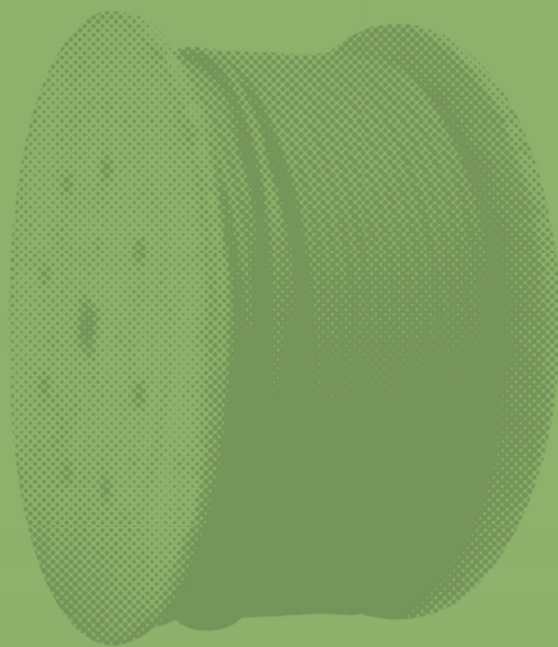
For signal transmission within systems for measuring-, control-, data- and regulation technology and as installation cable fire hazard rooms with a high concentration of people or material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100465	02X2X0.8	RT	25.0	11.3	174.0
100466	04X2X0.8	RT	45.0	15.3	286.0



LAN CABLES

100-MHZ CABLES	212
FABER® dataline 100	212
200-MHZ CABLES	213
FABER® dataline 200	213
1000-MHZ CABLES	214
FABER® dataline 1000	214
FABER® dataline 1000 duplex	214
FABER® dataline 1000 outdoor	215



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TECHNICAL
APPENDIX

FABER® dataline 100



Standard	ISO/IEC 11801, EN 50173, EN 55022, E DIN 44312-5
Conductor material	bare copper
Insulation	polyolefin
Stranding	pairs in layers
Screen	plastic coated aluminium foil + solid copper drain wire
Sheathing material	polyolefin
Bending radius, fixed installation	4 x DA
Bending radius, moving application	8 x DA
Impedance	100 Ohm
Insulation resistance	10000 MOhm \times km
Velocity factor (NVP)	0.66 v/c
Category	5

Application:

For the connection of IT system units in the desktop area (tertiary sector), e.g. between floor distributors and workstation up to 100 Mbit/s (Category 5). It fully complies with the electromagnetic compatibility requirements (EMC) of European Standard EN 55022 and the guidelines of the European Postal Administration.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100386	04X2XAWG26	GR	13.0	5.0	27.0
100366	04X2XAWG24	OR	19.2	6.6	44.0

FABER® dataline 200



Specification/Standard	ISO/IEC 11801, EN 50173, EN 55022, complies with EN 50167 und EN 50169
Conductor material	bare copper
Conductor class	class 1 = solid
Insulation	cross-linked polyolefin-copolymer
Stranding	pairs in layers
Screen	aluminium foil + copper braid, tinned
Sheathing material	polyolefin-compound HM4, FRNC
Colour outer sheath	orange RAL 2004
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-20 - +60 °C
Bending radius, fixed installation	8 x DA

Application:

For the connection of IT system units in the desktop area (tertiary sector), e.g. between floor distributors and workstation up to 100 Mbit/s (Category 5). It fully complies with the electromagnetic compatibility requirements (EMC) of European Standard EN 55022 and the guidelines of the European Postal Administration. Furthermore, the copper braiding ensures perfect matching with screened connectors.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	W x H approx. mm	Weight approx. kg/km
100592	04X2XAWG24 (simplex)	OR	29.0	6.6		54.0
100593	08X2XAWG24 (duplex)	OR	58.0		13.4 x 6.6	108.0

FABER® dataline 1000



CPR-performance acc. to EN 50575	on request
Specification/Standard	ISO/IEC 11801, EN 50173, EN 55022, EN 50288-4-1, EN 50167, EN 50169
Conductor material	bare copper
Insulation	foam-PE
Screen over stranding unit	foil
Screen over strand	Cu-braid, tinned
Sheathing material	FRNC-compound HM2
Colour outer sheath	orange RAL 2004
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-20 - +70 °C

Application:

For the connection of IT system units in the desktop area (tertiary sector), e.g. between floor distributors and workstation up to 1000 Mbit/s (category 7+). It fully complies with the electromagnetic compatibility requirements (EMC) of European Standard EN 55022 and the guidelines of the European Postal Administration. Furthermore, the copper braiding ensures perfect matching with screened connectors.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100952	04X2XAWG23	OR	32.0	7.5	52.0
101043	04X2XAWG23 (reel-in-box)	OR	32.0	7.5	52.0
101318	04X2XAWG23 (coil 100)	OR	32.0	7.5	52.0

FABER® dataline 1000 duplex



Fig. similar

CPR-performance acc. to EN 50575	on request
Specification/Standard	ISO/IEC 11801, EN 50173, EN 55022, EN 50288-4-1, EN 50167, EN 50169
Conductor material	bare copper
Insulation	foam-PE
Screen over stranding unit	foil
Screen over strand	Cu-braid, tinned
Sheathing material	FRNC-compound HM2
Colour outer sheath	orange RAL 2004
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density	DIN EN 61034/IEC 61034
Halogen-free	DIN EN 50267/IEC 60754
Permitted outer cable temperature, fixed	-20 - +70 °C

Application:

For the connection of IT system units in the desktop area (tertiary sector), e.g. between floor distributors and workstation up to 1000 Mbit/s (category 7+). It fully complies with the electromagnetic compatibility requirements (EMC) of European Standard EN 55022 and the guidelines of the European Postal Administration. Furthermore, the copper braiding ensures perfect matching with screened connectors.

Item number	Item name	Colour	Cop. weight kg/km	W x H approx. mm	Weight approx. kg/km
100951	08X2XAWG23	OR	64.0	15.2 x 7.5	104.0
101196	08X2XAWG23 (reel-in-box)	OR	64.0	15.2 x 7.5	104.0

FABER® dataline 1000 outdoor



Specification/Standard	EN 50173, EN 50288-4-1, ISO/IEC 11801, IEC 6156-5
Conductor material	bare copper
Insulation	foam-PE
Screen over stranding unit	foil
Screen over strand	Cu-braid, tinned
Sheathing material	polyethylene
Colour outer sheath	black
UV-resistant	yes
Permitted outer cable temperature, fixed	-20 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +50 °C
Bending radius, fixed installation	4 x DA
Bending radius, moving application	8 x DA

Application:

For the connection of IT system units in the desktop area (tertiary sector), e.g. between floor distributors and workstation up to 1000 Mbit/s (category 7+). It fully complies with the electromagnetic compatibility requirements (EMC) of European Standard EN 55022 and the guidelines of the European Postal Administration. Furthermore, the copper braiding ensures perfect matching with screened connectors.

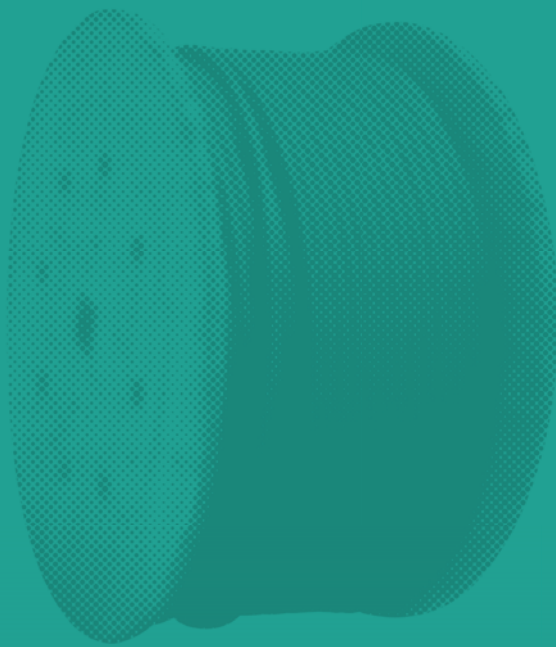
Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
101008	04X2XAWG23	SW	44.0	9.4	95.0



COAXIAL CABLES

RG-TYPES 218

SAT / CATV 219



POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

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WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
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CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
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COAXIAL CABLE / RG-TYPES

Use: For data and signal transmission across a broad range of frequencies and distances, for connecting antennae, measuring equipment, transmission or reception systems, and other high-frequency appliances.

Item number	Item name	Z Ohm	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100258	RG 11 A/U	75	56,0	10,2	144,0
100104	RG 58 C/U	50	20,0	5,0	38,0
100605	RG 58 C/U FRNC	50	20,0	5,0	38,0
100095	RG 59 B/U	75	24,0	6,1	57,0
100967	RG 59 B/U FRNC	75	24,0	6,1	57,0
100101	RG 62 A/U	93	25,0	6,2	52,0
101019	RG 174 A/U	50	6,0	2,8	11,0
101020	RG 179 B/U	75	7,5	2,5	16,5
100201	RG 213	50	76,0	10,3	155,0
100529	RG 214 /U	50	118,0	10,8	205,0

COAXIAL CABLE / SAT / CATV

Use: For connecting satellite reception systems and antennae, video and broadband TV systems, but also for terrestrial radio and television reception antennae.

Item number	Item name	Colour	Z Ohm	Cop. weight kg/km	D _A mm	Weight approx. kg/km
100478	FABER® SAT 1,1/5,0 DIGITAL 3 GHz	WS	75	25,0	6,8	55,0
100492	FABER® SAT 1,1/5,0 halogen-free DIGITAL 3 GHz	WS	75	25,0	6,8	55,0
101206	FABER® HD-SAT 1,0/4,6 DIGITAL 3-S > 115 dB	WS	75	17,0	7,0	46,0
101362	FABER® HD-SAT 1,0/4,6 DIGITAL 3-S > 115 dB halogen-free	SW	75	17,0	7,0	46,0
101269	HD-SAT+BK PE direct burial 1,6/7,3 DIGITAL 3-S >100 dB	SW	75	39,0	10,3	107,0
100463	FABER® VIDEO 0,6/3,7	GN	75	24,0	6,2	45,0
100735	FABER® VIDEO flexible 0,6L/3,7	GN	75	24,0	6,2	45,0
100469	FABER® VIDEO halogen-free 0,6/3,7	GN	75	24,0	6,2	45,0
100604	FABER® VIDEO Outdoor cable 1,0/6,6	SW	75	39,0	9,1	108,0
101798	Video SDI/HD 0,8/3,7 + 02X0,75	SW	75	35,0	6,1 x 12,6	108,0
110251	A-2YK2Y1 iKx 1,1/7,3	SW	75	69,0	11,0	142,0
110161	A-2YOK2Y1 nKx 2,2/8,8	SW	75	115,0	12,5	183,0
110162	A-2YOK2Y1 qKx 3,3/13,5	SW	75	208,0	17,0	347,0
110250	A-2YOK2Y1 sKx 4,9/19,4	SW	75	375,0	24,4	500,0



OPTICAL FIBRE CABLES

OPTICAL FIBRE CABLES - OUTDOOR 222

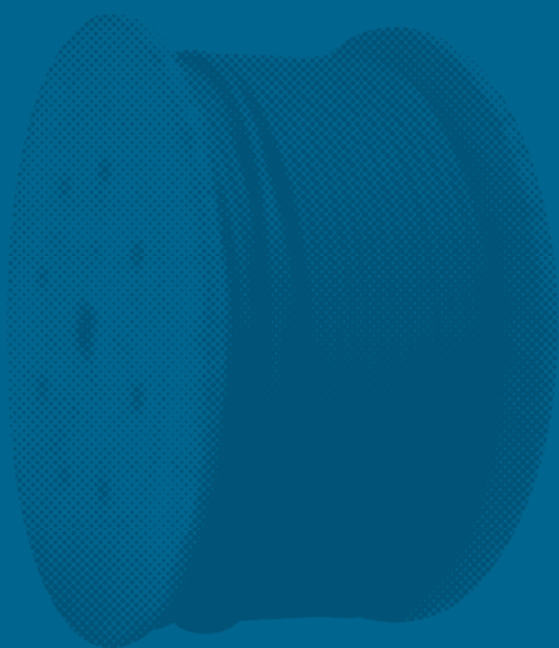
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POWER CABLES
1 UP TO 30 KV

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A-DQ(ZN)B2Y 2.2 kN (Central core)



Standard	ISO/IEC 794, DIN VDE 0888
Fibre quality	see data sheet for fibres on our website
Type of tube	gel-filled loose tube
Armour	glass yarns
Sheathing material	polyethylene
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
For outdoor use	yes
Cable metal-free	yes
Permitted outer cable temperature, fixed	-20 - +70 °C
Permitted outer cable temperature, in motion/ during installation	0 - 50 °C

Application:

Fibre optic cable with central tubes and non-metallic armour, strain relief 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.

Item number	Item name	Colour	D _A mm	Weight approx. kg/km
070044	01X4G50/125 2.2 kN standard	SW	8.4	64.0
070137	01X6G50/125 2.2 kN standard	SW	8.4	64.0
070049	01X8G50/125 2.2 kN standard	SW	8.4	64.0
070006	01X12G50/125 2.2 kN standard	SW	8.4	64.0
070089	01X16G50/125 2.2 kN standard	SW	8.4	64.0
070095	01X24G50/125 2.2 kN standard	SW	8.4	74.0
070067	01X4G62.5/125 2.2 kN standard	SW	8.4	64.0
070023	01X6G62.5/125 2.2 kN standard	SW	8.4	64.0
070104	01X8G62.5/125 2.2 kN standard	SW	8.4	64.0
070066	01X12G62.5/125 2.2 kN standard	SW	8.4	64.0
070138	01X16G62.5/125 2.2 kN standard	SW	8.4	64.0
070103	01X24G62.5/125 2.2 kN standard	SW	8.4	74.0
070251	01X4G50/125 2.2 kN high grade (OM3)	SW	8.4	64.0
070252	01X6G50/125 2.2 kN high grade (OM3)	SW	8.4	64.0
070253	01X8G50/125 2.2 kN high grade (OM3)	SW	8.4	64.0
070254	01X12G50/125 2.2 kN high grade (OM3)	SW	8.4	64.0
070255	01X16G50/125 2.2 kN high grade (OM3)	SW	8.4	64.0
070256	01X24G50/125 2.2 kN high grade (OM3)	SW	8.4	74.0
071183	01X12G50/125 2.2 kN (OM4)	SW	9.0	60.0

A-DQ(ZN)B2Y Plus 3.0 kN (Central core)



Fibre quality	see data sheet for fibres on our website
Type of tube	gel-filled loose tube
Armour	glass yarns
Sheathing material	polyethylene
Colour outer sheath	black
Flame-retardant	no
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C

Application:

Fibre optic cable with central tubes with non-metallic armour and rodent protection. Swelling elements within the strand ensure longitudinally watertightness of the cable. The rugged and abrasion-resistant PE-sheath enables easy installation in tubes and ducts. The sheath is halogen-free, but not flame-retardant.

Item number	Item name	Colour	D _A mm	Weight approx. kg/km
071269	01X24G50/125 3.0 kN (OM4)	SW	9.0	74.0
070951	01X12G50/125 3.0 kN standard	SW	9.0	60.0
070192	01X4E9/125 3.0 kN	SW	9.0	64.0
070164	01X8E9/125 3.0 kN	SW	9.0	64.0
070159	01X12E9/125 3.0 kN	SW	9.0	64.0
070193	01X24E9/125 3.0 kN	SW	9.0	74.0

A-DQ(ZN)B2Y 1.2 kN (Central core)



Standard	ISO/IEC 794, DIN VDE 0888
Fibre quality	see data sheet for fibres on our website
Type of tube	gel-filled loose tube
Sheathing material	polyethylene
Flame-retardant	no
For outdoor use	yes
Cable metal-free	yes
Permitted outer cable temperature, fixed	-20 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C

Application:

Fibre optic cable with central tubes and non-metallic armour, strain relief 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.

Item number	Item name	Colour	D _A mm	Weight approx. kg/km
071211	01X12E9/125 1.2 kN	SW	7.0	40.0
070682	01X12G50/125 1.2 kN standard	SW	6.0	43.0

A-DQ(ZN)B2Y (Stranded cores)



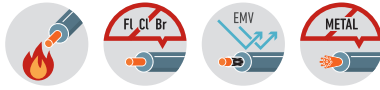
Standard	ISO/IEC 794, DIN VDE 0888
Fibre quality	see data sheet for fibres on our website
Type of tube	gel-filled loose tube
Armour	glass yarns
Sheathing material	polyethylene
Colour outer sheath	black
Flame-retardant	no
UV-resistant	yes
For outdoor use	yes
Cable metal-free	yes
Permitted outer cable temperature, fixed	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C

Application:

Fibre optic cable with central tubes and non-metallic armour, strain relief 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.

Item number	Item name	Colour	D _A mm	Weight approx. kg/km
070091	03X12G50/125 standard	SW	11.5	107.0
070086	04X12G50/125 standard	SW	11.5	107.0
070202	03X12G62.5/125 standard	SW	11.5	107.0
070257	03X12G50/125 high grade	SW	11.5	107.0
070090	04X12G62.5/125 standard	SW	11.5	107.0
070258	04X12G50/125 high grade	SW	11.5	107.0
070064	02X12E9/125	SW	11.0	107.0
070236	04X12E9/125	SW	11.0	107.0
070229	08X12E9/125	SW	13.0	125.0
070673	12X12E9/125	SW	15.5	185.0

I-D(ZN)H



Standard	ISO/IEC 794, DIN VDE 0888
Fibre quality	see data sheet for fibres on our website
Type of tube	gel-filled loose tube
Sheathing material	FRNC-compound HM1
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
Cable metal-free	yes
Permitted outer cable temperature, fixed	-20 - +60 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +60 °C

Application:

Optical indoor cable with central multifibre loose buffer and halogen-free outer sheath. For installation inside 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 fibre-connectors is not possible.

Item number	Item name	Colour	D _A mm	Weight approx. kg/km
070110	01X4G50/125 standard	OR	6.0	33.0
070242	01X4G50/125 high grade (OM3)	OR	6.0	33.0
070109	01X4G62.5/125 standard	OR	6.0	33.0
070108	01X8G50/125 standard	OR	6.0	33.0
070243	01X8G50/125 high grade (OM3)	OR	6.0	33.0
070107	01X8G62.5/125 standard	OR	6.0	33.0
070106	01X12G50/125 standard	OR	6.0	33.0
070244	01X12G50/125 high grade (OM3)	OR	6.0	33.0
070105	01X12G62.5//125 standard	OR	6.0	33.0
070220	01X24G50/125 standard	OR	10.0	35.0
070245	01X24G50/125 high grade (OM3)	OR	10.0	35.0

I-V(ZN)H



Standard	ISO/IEC 794, DIN VDE 0888
Fibre quality	see data sheet for fibres on our website
Type of tube	tight buffer
Sheathing material	FRNC-compound HM1
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Cable metal-free	yes
Permitted outer cable temperature, fixed	-20 - +60 °C
Permitted outer cable temperature, in motion/ during installation	-20 - +60 °C

Application:

Indoor distribution cable with tight buffers and LSOH jacket. For installation in cable trays and ducts. The cable contains up to 24 fibres, which may be fitted directly to connectors and are suitable for field-assembly.

Item number	Item name	Colour	D _A mm	W x H approx. mm	Weight approx. kg/km
070114	02X1G50/125 standard	OR		10.0 x 6.0	19.3
070113	02X1G62.5/125 standard	OR		10.0 x 6.0	19.3
070112	01X4G50/125 standard	OR	5.1	x	32.0
070111	01X4G62.5/125 standard	OR	5.1	x	32.0

U-DQ(ZN)BH



CPR-performance acc. to EN 50575	on request
Standard	ISO/IEC 794, DIN VDE 0888
Fibre quality	on request
Type of tube	gel-filled loose tube
Sheathing material	polyolefin
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free	DIN EN 50267/IEC 60754
For outdoor use	yes
Cable metal-free	yes
Permitted outer cable temperature, fixed	-20 - +70 °C
Permitted outer cable temperature, in motion/ during installation	-5 - +50 °C

Application:

Installation-friendly universal optical fibre cable in a multifibre loose buffer design. The special jacket material allows installation outdoors, directly in the ground and use indoors where halogen-free, non-flammable and smoke-free cables are required. This makes it ideal for connections between buildings.

Item number	Item name	Colour	D _A mm	Weight approx. kg/km
070698	01X12G50/125 1.2 kN standard	SW	6.4	48.0
070932	01X12G50/125 1.5 kN high grade (OM3)	SW	6.4	64.0
070699	01X24G50/125 1.2 kN standard	SW	7.5	62.0
071267	01X24G50/125 1.5 kN high grade (OM3)	SW	9.0	64.0
070700	01X12G62.5/125 1.2 kN standard	SW	6.4	48.0

POWER CABLES
1 UP TO 30 KV

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LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLES

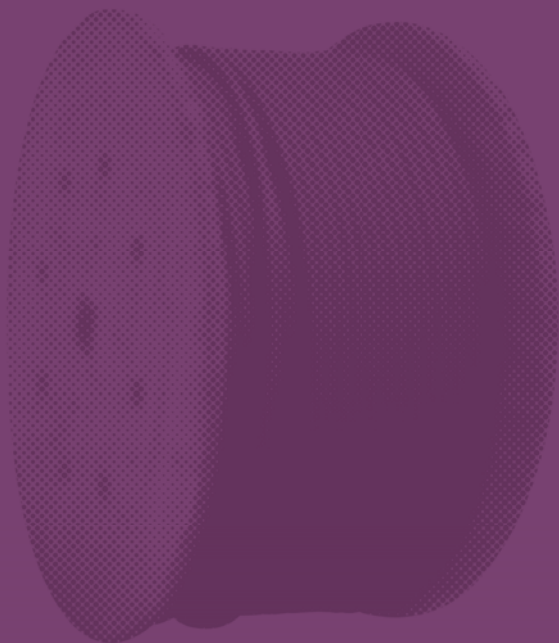
MISCELLANEOUS
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MISCELLANEOUS PRODUCTS

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Copper conductor, soft annealed, tinned



Standard	DIN 48201/1 and DIN VDE 0295
Conductor material	copper, bare or tinned
Conductor class	class 2 = stranded

Application:
Annealed cables are used for earthing purposes in electrical installations. They have a mathematical tensile strength of 200 N/sqmm. Hard-drawn conductors are used primarily as overhead lines. Their mathematical tensile strength is 400 N/sqmm.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
012978	01X10 (7X1.35 mm)	VZ	96.0	4.1	96.0
012979	01X16 (7X1.7 mm)	VZ	154.0	5.1	154.0
013066	01X25 (7X2.1 mm)	VZ	240.0	6.3	240.0
012236	01X35 (7X2.5 mm)	VZ	336.0	7.5	336.0
012238	01X50 (19X1.8 mm)	VZ	480.0	9.0	480.0
012240	01X70 (19X2.1 mm)	VZ	672.0	10.5	672.0
012242	01X95 (19X2.5 mm)	VZ	912.0	12.5	912.0
012235	01X120 (37X1.99 mm)	VZ	1152.0	14.1	1152.0
012244	01X120 (19X2.8 mm)	VZ	1152.0	14.0	1152.0
014167	01X150 RMv (37X2.32 mm)	VZ	1440.0	15.0	1440.0
014168	01X240 RMv (61X2.32 mm)	VZ	2304.0	19.0	2304.0

Copper conductor, soft annealed, bare, compacted



Standard	DIN 48201/1 and DIN VDE 0295
Conductor material	copper, bare or tinned
Conductor class	class 2 = stranded

Application:
Annealed cables are used for earthing purposes in electrical installations. They have a mathematical tensile strength of 200 N/sqmm. Hard-drawn conductors are used primarily as overhead lines. Their mathematical tensile strength is 400 N/sqmm.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
014728	01X35 RMv (7X2.6 mm)	BK	336.0	8.0	336.0
014668	01X50 RMv (19X1.86 mm)	BK	480.0	8.2	480.0
014669	01X70 RMv (19X2.2 mm)	BK	672.0	9.8	672.0
014670	01X95 RMv (19X2.65 mm)	BK	912.0	11.3	912.0
014671	01X120 RMv (19X3.05 mm)	BK	1152.0	12.7	1152.0

ESUY



Conductor material	bare copper
Conductor class	fine stranded acc. to VDE 0283 T.3
Insulation	PVC
Flame-retardant	VDE 0482-332-1-2/IEC 60332-1-2
Permitted outer cable temperature, in motion/ during installation	-5 - +70 °C
Bending radius, moving application	12 x DA

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.

Item number	Item name	Colour	Cop. weight kg/km	D _A mm	Weight approx. kg/km
033441	01X16	TR	194.0	9.6	213.0
033442	01X25	TR	280.0	10.7	305.0
031947	01X35	TR	415.0	12.5	575.0
032102	01X50	TR	585.0	14.2	670.0
032323	01X70	TR	820.0	16.8	910.0
031915	01X95	TR	1090.0	19.8	1220.0
033163	01X120	TR	1360.0	23.2	1505.0
034775	01X150	TR	1650.0	26.3	1945.0
034776	01X185	TR	2150.0	30.0	2395.0
034777	01X240	TR	2750.0	28.5	3095.0

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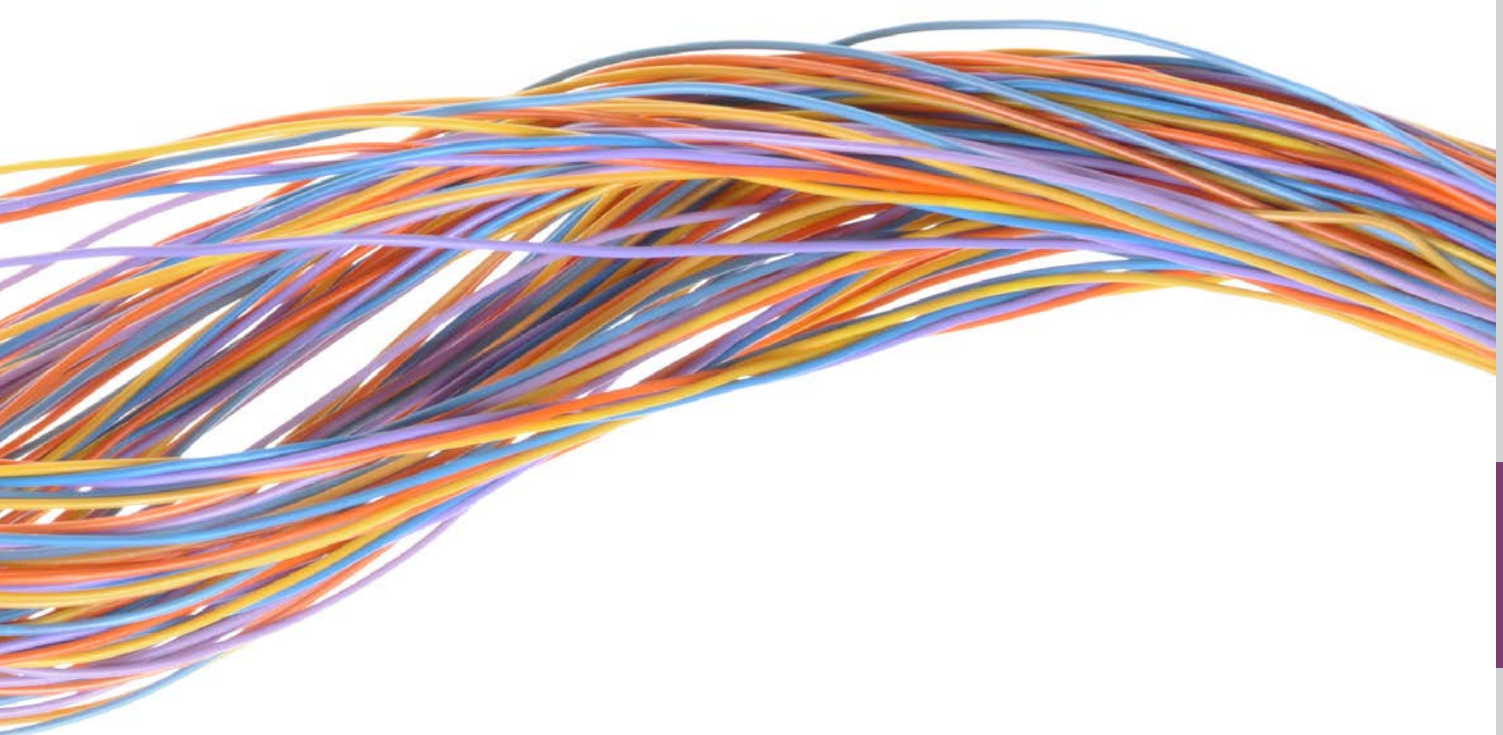
MISCELLANEOUS PRODUCTS

THERMAL AND COMPENSATION CONDUCTORS

Thermal and compensation conductors are used in measurement and control technologies to connect temperature sensors with measurement devices.

Item nr.	Type	Code letter	Material combination	Insulation/ sheath material
070886	LiY(St)Y 02X1,5	K	NiCr/Ni	PVC/PVC
070357	Li2G2G 02X1,5	K	NiCr/Ni	Silicone, Silicone
070812	Li7YC7Y 01X2X0,75	K	SoNiCr/SoNi	ETFE/ETFE
070476	Li7YC7Y 02X2X0,75	K	SoNiCr/SoNi	ETFE/ETFE
070511	LiYYSY 24X1,5	L	Fe/CuNi	PVC/PVC
070423	Li2G2G 02X1,5	L	Fe/CuNi	Silicone, Silicone
070820	Li7YC7Y 01X2X0,75	L	Fe/CuNi	ETFE/ETFE
070477	Li7YC7Y 02X2X0,75	L	Fe/CuNi	ETFE/ETFE
070386	LiY(St)Y 02X1,5	J	Fe/CuNi	PVC/PVC
070432	Li2G2G 02X1,5	J	Fe/CuNi	Silicone, Silicone
070622	Li2G2G 02X1,5	RCB/SCB	PtRh10/Pt	Silicone, Silicone
071019	Li2G2G 04X1,5	K	NiGr/Ni	Silicone, Silicone

	DIN 43710	DIN IEC 584	Temperature range	Wire colour +/-	Sheath colour	D _A mm	Weight approx. kg/km
		X	-10 – +80 °C	WS/GN	GN	7,3	76,0
		X	-60 – +180 °C	WS/GN	GN	7,0	76,0
		X	-100 – +200 °C	WS/GN	GN	6,4	110,0
		X	-100 – +200 °C	WS/GN	GN	7,3	130,0
	X		-10 – +80 °C	RT/BL	BL	25,0	893,0
	X		-60 – +180 °C	RT/BL	BL	7,1	76,0
	X		-100 – +200 °C	RT/BL	BL	6,4	110,0
	X		-100 – +200 °C	RT/BL	BL	7,0	130,0
		X	-10 – +80 °C	WS/SW	SW	7,5	76,0
		X	-60 – +180 °C	WS/SW	SW	7,2	76,0
		X	-60 – +180 °C	OR/WS	OR	7,1	76,0
		X	-60 – +180 °C	WS/GN	GN	8,7	152,0



POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

FLEXIBLE
WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
ELECTRONIC CABLES

CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

OPTICAL FIBRE
CABLES

CONDUCTOR
ROPES

TECHNICAL
APPENDIX



TECHNICAL APPENDIX

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POWER CABLES
1 UP TO 30 KV

BUILDING
WIRES

FLEXIBLE
WIRES

TELECOMMUNICATION
CABLES

CONTROL AND
ELECTRONIC CABLES

CABLE WITH
CIRCUIT INTEGRITY

LAN CABLES

COAXIAL CABLES

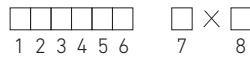
OPTICAL FIBRE
CABLES

MISCELLANEOUS
PRODUCTS

TECHNICAL
APPENDIX

TYPE DESIGNATION CODE FOR CABLES

Power cables acc. to VDE 0250



1. RELATIONSHIP TO STANDARDS

N VDE-type
(N)/X Based on VDE

2. INSULATING MATERIALS

Y PVC
4Y Polyamide
5Y PTFE
6Y FEP
9Y Polypropylene
11Y Polyurethane (PUR)
2X XLPE
G Elastomer
2G Silicone
3G EPR-rubber
4G EVA
5G Polychloroprene
HX LSOH

3. CABLE DESCRIPTION

A Single core
D Solid wire
AF Single core, fine stranded
F Copper conductor
L Fluorescent tube cable
LH Connecting cable for
 low mechanical stress
MH Connecting cable for
 medium mechanical stress
SH Connecting cable for
 high mechanical stress
SSH Connecting cable for
 special mechanical stress
SL Control/welding cable
S Control cable
LS Light control cable
FL Flat cable
Si Silicone 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 Supporting element
ö Oil-resistant
u Flame-resistant
w Heat-/weather-resistant
FE Fire-resistant
C Screen
S Steel armoured

5. SHEATHING MATERIALS

 See 2. Insulation materials
P Polyurethane

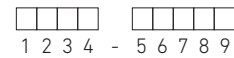
6. PROTECTIVE CONDUCTOR

-0 Without green/yellow core
-J With green/yellow core

7. NUMBER OF CORES

8. CROSS-SECTION OF CONDUCTOR

Harmonized cables acc. to VDE 0281/0282



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
1 600/1000 V

3. INSULATING MATERIALS

V PVC
V2 PVC (90 °C)
V3 PVC, cold-resistant
B EPR-rubber (90 °C)
G EVA
E PE
R Natural or synthetic rubber
S Silicone rubber
X XLPE
Z LSOH compound
zZ Halogen-free compound (solar cable)

4. SHEATHING MATERIALS

V PVC
V2 PVC (90 °C)
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 Textile braid
Q Polyethurane (PUR)
Q4 Polyamide
Z LSOH compound

5. SPECIAL CONSTRUCTIONS

C Concentric copper conductor
C4 Copper braided screen
H Flat, divisible cords
H2 Flat cable, non divisible cords
H6 Flat cable, non divisible cords for elevators
H8 Spiral cable

6. CONDUCTOR FORM

U Round, solid
R Round, stranded
K Fine stranded, fixed installation
F Fine stranded, flexible cords
H Extra finely stranded, highly flexible
Y Tensile conductor
D Fine stranded for welding cables
E Extra finely stranded for welding cables,
 highly flexible

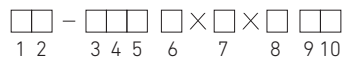
7. NUMBER OF CORES

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



1. RELATIONSHIP TO STANDARDS

- A Outdoor cable
- G Mining cable
- J Installation cable
- L Insulated cord
- S Patchcord
- Li Equipment wire with fine stranded conductor
- RD Rhenomatic cable
- RE Instrumentation cable

2. ADDITIONAL SPECIFICATIONS

- B Lightning protection
- J Induction protection
- E Industry electronics

3. INSULATING MATERIALS

- Y PVC
- 2Y Polyethylen
- 02Y Cell-PE
- 02YS Foam-Skin
- 5Y PTFE (Teflon®)
- 6Y FEP (Teflon®)
- 7Y ETFE (Teflon®)
- P Paper

4. SPECIAL CONSTRUCTION

- F Petroleum jelly filler
- L Aluminium sheath
- LD Corrugated aluminium sheath
- (L) Laminated aluminium sheath
- C Copper braided screen
- (St) Screen of plastic coated aluminium foil
- (K) Copper tape screen
- (B) Armouring
- (Z) Steel wire armouring
- (Zg) Strain bearing element with glass yarn bundles
- (ZN) Strain bearing element nonmetallic
- W Corrugated steel sheath
- M Lead sheath
- b Armouring
- 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 Quad

8. CONDUCTOR DIAMETER

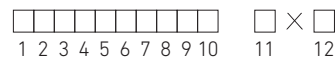
9. TYPE OF STRANDING

- F Star-quad (railway)
- St Star-quad (phantom circuit, long distance)
- St I Star-quad (long distance)
- St III Star-quad (subscriber lane)
- TF Star-quad for carrier frequency
- PiMF Pair in metal foil
- DIMF Triple in metal foil
- ViMF Quad in metal foil

10. STRANDING LAYOUT

- Lg Stranding in layers
- Bd Stranding in bundles

Power cables acc. to VDE 0276



1. RELATIONSHIP TO STANDARDS

- N VDE-type

2. CONDUCTOR

- Copper
- A Aluminium

3. INSULATING MATERIALS

- Y PVC
- 2Y PE
- 2X XLPE
- H LSOH compound

4. CONCENTRIC CONDUCTOR

- C Longitudinal lay
- CW Undulated

5. SCREEN

- S Joint copper shield
- SE Individually screened cores

6. METAL SHEATH

- K Lead

7. PLASTIC SHEATH OR INNER PROTECTION

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

CORE IDENTIFICATION ACCORDING TO VDE 0815

1. COLOUR CODING FOR INSTALLATION CABLES

J-Y(St)Y ... Lg

For single-paired cables

a-core red, b-core blue

For double-paired cables

Pair 1: a-core red, b-core black

Pair 2: a-core white, b-core 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	No. 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-LiYCY ... Bd / JE-H(St)H ... Bd /
JE-LIHCH ... Bd / RD-Y(St)Y / AJ-Y(St)YDY Bd Si

For double-paired cables

Pair 1: a-core blue, b-core red

Pair 2: a-core grey, b-core yellow

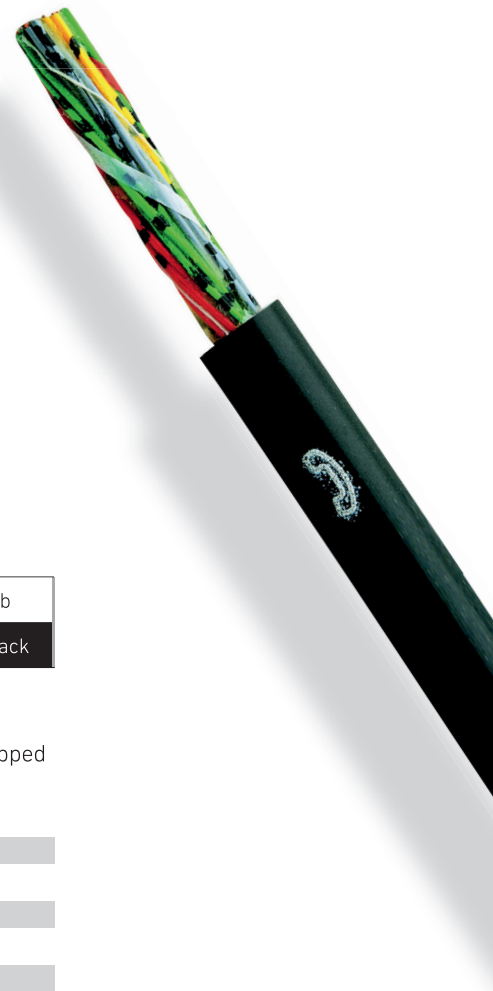
For cables with more than 2 pairs

Colour of basic insulation of pairs in one bunch:

Pair	1		2		3		4	
Core	a	b	a	b	a	b	a	b
Basic 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 coloured tape.

» Ring group I	
» Ring group II	
» Ring group III	
» Ring group IV	



CORE IDENTIFICATION ACCORDING TO VDE 0815

IDENTIFICATION OF BUNCHES

Bunch-No.	Colour of rings	Rings of bunches of		Tape
		4 cores	8 cores resp. 4 pairs	
1 2 3 4	pink	I I II II	I II III IV	-
5 6 7 8	orange		I II III IV	-
9 10 11 12	violet		I II III IV	-
13 14 15 16	pink		I II III IV	blue
17 18 19 20	orange		I II III IV	red

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 red
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 a natural-coloured tape.

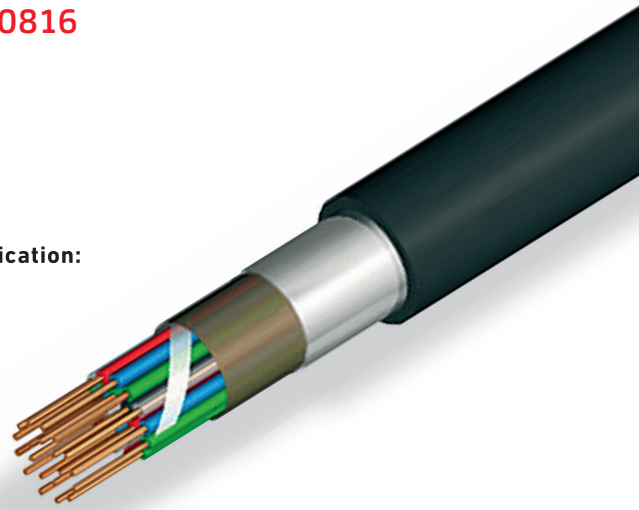
CORE IDENTIFICATION ACCORDING TO VDE 0816

4. CORE IDENTIFICATION FOR OUTDOOR TELEPHONE CABLES

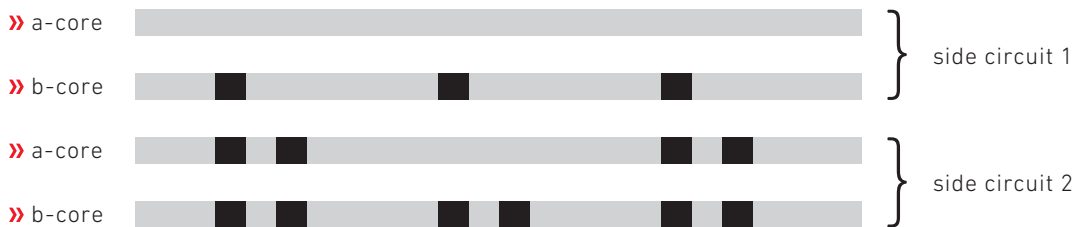
The five star-quads of each basic unit have the following identification:

- 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.

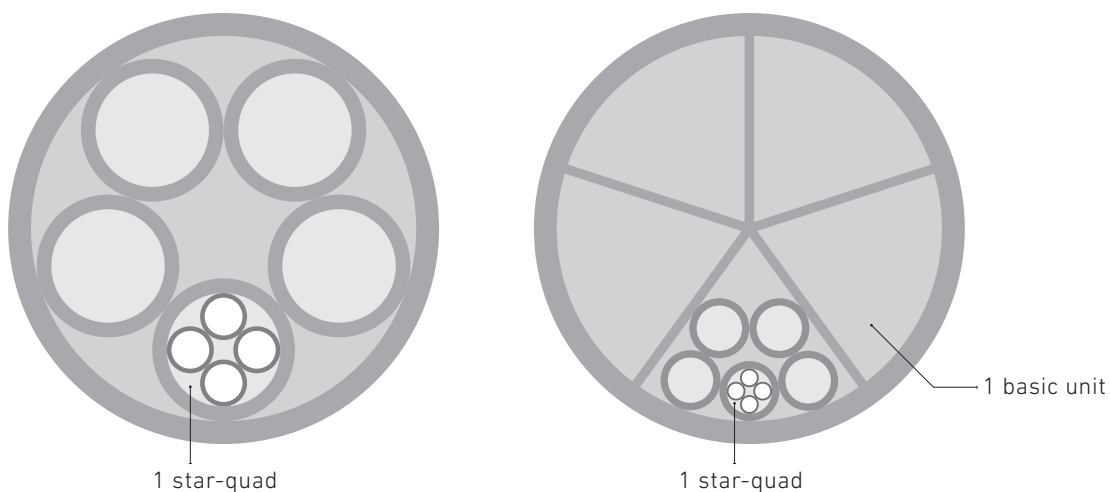


The cores within one star-quad are marked by rings:



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 marker unit at inner layer towards outside.

EXAMPLE FOR UNIT STRANDING



» 5 star-quads stranded into basic unit

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

COLOUR CODING OF CORES ACCORDING TO DIN 47 100 AND DIN IEC 60757

The colour code according to **table 1** without repeating colours 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 colours acc. to IEC 60757. (The table does not correspond to any order of colours/cores in a cable!)

» Table 1

Colour	Stranded cores		Twisted pairs	
	Core-No.	Core	Pair-No.	
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		
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		




Colour	Stranded cores		Twisted pairs	
	Core-No.	Core	Pair-No.	
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

Colour	German abbreviation	Colour	English abbreviation
black	SW	black	BK
brown	BR	brown	BN
red	RT	red	RD
orange	OR	orange	OG
yellow	GE	yellow	YE
green	GN	green	GN
blue	BL	blue	BU
violet	VI	violet	VT
grey	GR	grey	GY
white	WS	white	WH
pink	RS	pink	PK
gold		gold	GD
turquoise	TK	turquoise	TQ
silver		silver	SR
green/yellow	GG	green-yellow	GNYE






COLOUR CODING OF CORES **ACCORDING TO VDE 0293**

1. CABLES/CORDS WITH GN-YE PROTECTIVE CONDUCTOR

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

Version	No. of cores	DIN VDE 0293-308:2003
		Fixed and flexible
without gn-ye	2	bu, bn 
	3	bn, bk, gy 
	3½	bu, bn, bk, gy 
(-0) or ... X ...	4	bu, bn, bk, gy 
	5	bu, bn, bk, gy, bk 

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



SELECTION GUIDE FOR DRAG CHAIN CABLES

Isulation/sheath	Screen	Page
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1. ELECTRONIC CABLES

FABER® EFK Li9YC11Y	PP/PUR	+	181
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2. BUS CABLES

CAN-Bus EFK		+	179
Profibus EFK		+	178
DeviceNet EFK		+	179
Interbus EFK		+	178

3. FEEDBACK CABLE

FABER® EFK Feedback-CP INDRAMAT®	TPE/PUR	+	189
FABER® EFK Feedback-CP Siemens	PP/PUR	+	190

4. NETWORK CABLE

FABER® Industrial dataline		+	
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5. CONTROL CABLES

FABER® EFK 250 P	PVC/PUR	-	
FABER® EFK 300 P	PP/PUR	-	184
FABER® EFK 300 CP	PP/PUR	+	185
FABER® EFK 310 Y	PVC/PVC	-	186
FABER® EFK 310 CY	PVC/PVC	+	188

6. SERVO CABLES

FABER® EFK SERVO-CP INDRAMAT®	TPE/PUR	+	191
FABER® EFK SERVO-CP Siemens	PP/PUR	+	192

7. SINGLE CORES

FABER® EFK SC 12Y11Y	TPE/PUR	-	182
FABER® EFK SC 12YC11Y	TPE/PUR	+	183

Legend: PVC – Polyvinylchloride, TPE – Thermoplastic elastomer, PP – Polypropylene, PUR – Polyurethane

PROPERTIES* OF INSULATING AND SHEATH MATERIALS

Designation			Electrical					Thermal					
VDE des.	Code	Material	Density	Electr. Strength	Specific insulation resistance	Dielectr. Coefficient	Tangent of loss angle	Service temperature		Melting point	Burning behaviour	Oxygen LOI	Heating value Ho
			g/cm ³	kV/mm	Ω·cm 20°C	50 Hz/20°C	tan Δ	contin. °C	short °C	+ °C		(% O ₂)	MJ·kg ⁻¹

» THERMOPLASTICS

Y	PVC	Polyvinylchloride mixture	1.35-1.5	25	10 ¹³ -10 ¹⁵	3.6-6	4x10 ⁻² up to 1x10 ⁻¹	-30 +70	+100	>140	self-extinguishing	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	Cold-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	combustible	≤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	5x10 ⁻⁴	-50 +80	+100	>120		≤22	40-43
4Y	PA	Polyamide	1.02-1.1	30	10 ¹⁵	4	2x10 ⁻² bis 1x10 ⁻³	-60 +105	+125	210		≤22	27-31
9Y	PP	Polypropylene	0.91	75	10 ¹⁶	2.3-2.4	4x10 ⁻⁴	-10 +100	+140	160		≤22	42-44
11Y	PUR	Polyurethane	1.15-1.2	20	10 ¹⁰ -10 ¹²	4-7	23x10 ⁻⁴	-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 mixture	1.5-1.7	20	10 ¹² -10 ¹⁵	3-5	1.9x10 ⁻²	-65 +60	+120	-	combustible	≤22	21-25
2G	SIR	Silicone rubber	1.2-1.3	20	10 ¹⁵	3-4	6x10 ⁻³	-60 +180	+260	-	low flammability	25-35	17-19
3G	EPR	Ethylene propylene mixture	1.3-1.55	20	10 ¹⁴	3-3.8	3.4x10 ⁻³	-30 +90	+160	-	combustible	≤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 mixture	1.4-1.65	20	10 ¹⁰	6-8.5	5x10 ⁻²	-40 +100	+140	-	self-extinguishing	30-35	14-19
6G	CSM	Chlorosulfonated polyethylene mixture	1.3-1.6	25	10 ¹²	6-9	2.8x10 ⁻²	-30 +80	+140	+160		30-35	19-23

» HIGH-TEMPERATURE MATERIALS

10Y	PVDF	Polyvinylidene fluoride Kynar®/Dyflor®	1.7-1.9	20	10 ¹⁴	9-7	1.4x10 ⁻²	-40 +135	+160	>170	non combustible	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	Polytetrafluorethylene 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	self-extinguishing	≤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

Designation			Thermal			Mechanical					Halogen-Free	Wheathering	
VDE des.	Code	Material	Thermal conductivity W·K ⁻¹ ·m ⁻¹	Corrosive gases in case of fire	Radiation-resistance max. Mrad	Tensile strength N/mm ²	Breaking strain %	Shore-Hardness	Abrasion performance	Water absorption %	Halogen-free	Weathering-resistance	Low temp. performance

» THERMOPLASTICS

Y	PVC	Polyvinyl chloride mixture	0.17	Hydrogen chloride	80	10 - 25	130 - 350	70 - 95 (A)	average	0.4	no	mod. good in black	mod. good
Yw	PVC	Temperature-resistance 90 °C											
Yw	PVC	Temperature-resistance 105 °C											
Yk	PVC	Low temperature-resistance	0.3	no	100	10 - 20	400 - 600	43 - 50 (D)	average	0.1	yes	good	good
2Y	LDPE	PE (low density)											
2Y	HDPE	PE (high density)											
2X	VPE	Cross-linked polyethylene											
Q2Y		Polyethylene foam											
3Y	PS	Polystyrene											
4Y	PA	Polyamide											
9Y	PP	Polypropylene	0.23	10	50 - 60	50 - 170	-	very good	1.0-1.5		good	good	
11Y	PUR	Polyurethane	0.19										
TPE-E (12Y/13Y)		Polyester elastomer	0.25	100 (500)	30 - 45	500 - 700	70 - 100 (A)	very good		1.5	yes	very good	very good
TPE-0 (18Y)		Polyolefin elastomer	0.5										
			1.5										

» ELASTOMERS

G	NR SBR	Natural rubber styrene-butadiene rubber mixture	-	no	100	5 - 10	300 - 600	60 - 70 (A)	mod.	1.0	no	mod. good	very good
2G	SIR	Silicone rubber	0.22										
3G	EPR	Ethylene propylene mixed polymer mixture	-										
4G	EVA	Ethylene vinyl acetate copolymer mixture	-										
5G	CR	Polychloroprene mixture	-	Hydrogen chloride	50	10 - 20	400 - 700	55 - 70 (A)	average	1.0	no	very good	mod. good
6G	CSM	Chlorosulfonated polyethylene mixture	-										

» HIGH-TEMPERATURE MATERIALS

10Y	PVDF	Polyvinyl 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	Ethylentetrafluorethylene Tefzel®	0.24	ja	10	40 - 50	150	70 - 75 (D)		0.02			
6Y	FEP	Perfluorethylenpropylene Teflon®	0.26	ja	1	15 - 25	250	55 - 60 (D)		0.01			
5YX	PFA	Perfluoralkoxy Teflon®	0.21	ja	0.1	25 - 30	250	55 - 60 (D)					
5Y	PTFE	Polytetrafluorethylene Teflon®	0.26	ja	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	mod., 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 fluorinated hydrocarbons (HCDCs)

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 approx. (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	1,000	500	704	32






























» WOODEN STANDARD DRUMS

Nominal size	Flange diameter (mm)	Barrel diameter (mm)	Overall width (mm)	Drum weight approx. (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 approx. (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

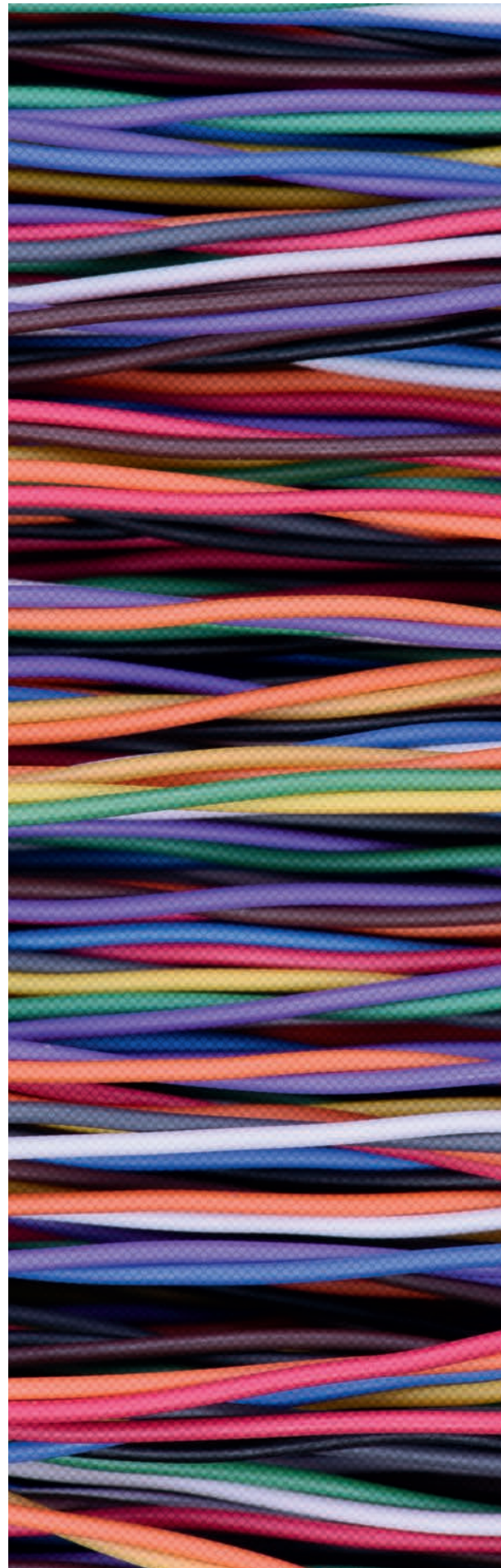
	Cable with VDE-certification		Min. installation temperature -30 °C
	Harmonised cable/wire		Min. installation temperature -35 °C
	Cable with UL/CSA-certification		Min. installation temperature -40 °C
	Cable with TÜV-approval		Max. permitted temperature at conductor 60 °C
	Cable with VdS-approval		Max. permitted temperature at conductor 70 °C
	Cable with EAC-approval		Max. permitted temperature at conductor 80 °C
	Cable with CCC-approval		Max. permitted temperature at conductor 85 °C
	Cable conform to Low-Voltage Directive		Max. permitted temperature at conductor 90 °C
	Cable is conform with DESINA standard		Max. permitted temperature at conductor 110 °C
	Min. installation temperature +5 °C		Max. permitted temperature at conductor 120 °C
	Min. installation temperature 0 °C		Max. permitted temperature at conductor 125 °C
	Min. installation temperature -5 °C		Max. permitted temperature at conductor 145 °C
	Min. installation temperature -20 °C		Max. permitted temperature at conductor 180 °C
	Min. installation temperature -25 °C		Max. permitted temperature at conductor 200 °C
			Self-supporting cable

LEGEND OF ICONS USED IN CATALOGUE

BUILDING WIRES		Cable suitable for direct burial		Cable tender system
		Installation outdoors only with UV-protection (cable not UV-resistant)		Cylindric drum
FLEXIBLE WIRES		Installation outdoors without protection (cable UV-resistant)		Guide pulley system
		Cable for use in water		Festoon cable
TELECOMMUNICATION CABLES		Cable to a large extent oil-resistant		Monospiral reeling
		Not for application in power circuits		Multispiral reeling
CONTROL AND ELECTRONIC CABLES		Screened cable		Cable suitable for drag chains
		Cable halogen-free		Reelable cable
CABLE WITH CIRCUIT INTEGRITY		Flame-retardant acc. to IEC 60332-1-2		Vertical reeling
		Flame-retardant acc. to IEC 60332-3-24		Cable category 5
LAN CABLES		Low smoke cable		Cable category 5e
		Cable with isolation integrity 180 min.		Cable category 7
COAXIAL CABLES		Cable with circuit integrity 30 min.		Cable category 7+
		Cable with circuit integrity 30 – 90 min.		Cable metal-free (optical fibre)
OPTICAL FIBRE CABLES		Cable with circuit integrity 90 min.		Cable with rodent protection (optical fibre)

ABBREVIATIONS FOR COLOURS USED IN CATALOGUE

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



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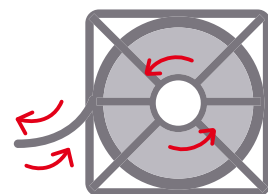
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As a Simplex version with a cable length of 200 m and in the Duplex version with 100 m. For an easy and knot-free unreeling without an additional unreeling device.



Side view

Plastic reel that is fixed inside a reinforced cardboard box
Box size 30 x 36 x 40 cm
Total weight of around 12 kg.





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