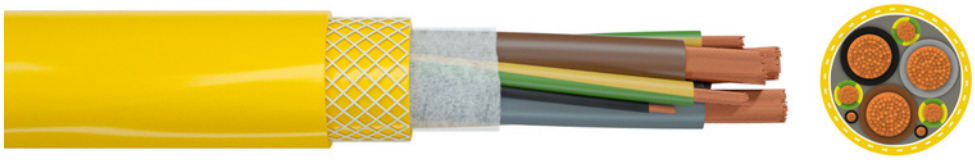
Reeling cable
FABER® Reelingflex



Application: Reeling cables are designed for power supply connections to all types of mobile equipment and vehicles used in quarrying, open-cast mining and other large scale civil engineering operations.
For applications in mining and milling sites, construction plants, industry etc. The cable can also be used as a festoon cable.

Current carrying capacity: acc. to IEC 60364-5-52, conductor temperature: 90 °C, ambient temperature: 30 °C, free in air, installation method E: three loaded conductors

Construction and technical data:

Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	XLPE
Material inner sheath:	polyurethan
Self-supporting element:	Kevlar®
Torsion protection:	polyester braid
Torsion:	+/- 25 °/m
Sheathing material:	polyurethan
Colour of outer sheath:	yellow
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	yes
Oil-resistant:	EN 60811-2-1
Ozone-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-30 - +80 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	8 x Ø
Maximum tensile strength at the conductor:	25 N/mm²
Operating speed random, m/min.:	120 m/min.
Operating speed festoon, m/min.:	200 m/min.

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

REELING FLEX 0.6/1 kV

Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 3.5 kV

Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
037364	03X25 + 3G6 + 2X1.5	0.78	127	27.5	922	1250
037365	03X35 + 3G6 + 2X1.5	0.554	158	29.5	1210	1550
037366	03X50 + 3G10 + 2X1.5	0.386	192	34	1757	2300
037368	03X95 + 3G16 + 2X1.5	0.206	298	43.5	3226	3850
037372	03X240 + 3G50 + 2X1.5	0.0801	538	64.5	8381	8950
037373	03X25 + 3G6 + 2X2.5	0.78	127	28	941	1313
037374	03X35 + 3G6 + 2X2.5	0.554	158	30	1229	1628
037375	03X50 + 3G10 + 2X2.5	0.386	192	34	1776	2415
037376	03X70 + 3G16 + 2X2.5	0.272	246	38.5	2525	3308
037377	03X95 + 3G16 + 2X2.5	0.206	298	42.5	3245	4043
037357	03X120 + 3G25 + 2X2.5	0.161	346	48.5	4224	5540
037378	03X150 + 3G25 + 2X2.5	0.129	399	54	5376	6405
037379	03X185 + 3G35 + 2X2.5	0.106	456	58.5	6384	7560
037941	04G150 + 2x4	0.129	399	57.7	5837	6890
037380	03X240 + 3G50 + 2X2.5	0.0801	538	65	8400	9398
037940	03X50 + 3G10 + 2X4	0.386	192	34.4	1805	2231
037944	03x95 + 3G16 + 2x4	0.206	298	42.9	3274	3815
037945	03x150 + 3G25 + 2x4	0.129	399	51.6	5117	5790
037942	03X70 + 3G16 + 4X2.5	0.272	246	38.9	2573	3120
037904	03x120+2G25+2x(2x2.5)	0.161	346	55.1	4032	5490
037823	05G150 + 2X2.5	0.129	399	63.4	7248	8425
037824	05G150 + 3X2.5	0.129	399	64.1	7272	8480
037924	05G150 + 2X4	0.129	399	63.5	7277	8450

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000

