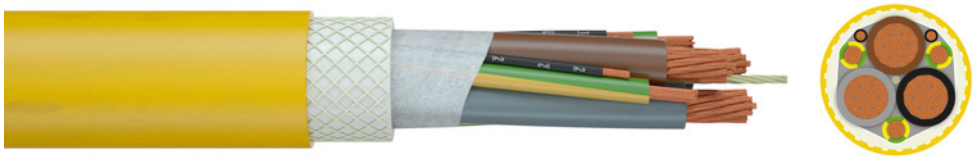
Reeling cable
FABER® Reelingflex Premium



Application: Reeling cables are designed for power supply connections to all types of mobile equipment and vehicles used in quarrying, open-cast and underground 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 trailing cable. Especially designed as reeling cable on drill & blast and concrete spraying machines.

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

For use on monospiral cable reels the value of ampacity in air given in the table must be multiplied by a correction factor of 0.80.

Construction and technical data:

Standard:	UL 1581 - UL 758 - CSA 22.2 - IEC 60502-1 - (with ref. to)
Conductor material:	copper, bare
Conductor construction:	class 6 = extra finely stranded - DIN EN IEC 60228 (VDE 0295)
Insulation:	XLPE acc. to UL 90 °C - 1000 V - style 30052
Core wrapping:	fleece
Material inner sheath:	polyurethan
Self-supporting element:	aramide
Torsion protection:	polyester braid
Torsion:	+/- 30 °/m
Sheathing material:	Polyurethan acc. to UL 90°C – 1000 V – style 21209
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	DIN EN 50267/IEC 60754
Oil-resistant:	VDE 0473-811-404/IEC 60811-404
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
Min. bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	8 x Ø
Operating speed vertical reeling, m/min.:	150 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.

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Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in three-phase systems: 1.2 kV

Test voltage: 6 kV

Protective conductor: yes

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

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø min. [mm]	Ø max. [mm]	Ø [mm]	Cu	G [kg]
038679	3x35+3G6+2x2.5 YE	0.554	158	29.1	30.1	29.6	1229	1300
038680	3x50+3G10+2x2.5 YE	0.393	192	34.8	36	35.4	1776	2950
038660	3x70+3G16+2x2.5 YE	0.272	246	38.9	40.1	39.5	2484	3550
038681	3x95+3G16+2x2,5 YE	0.206	298	42.9	44.1	43.5	3245	4250
038682	3x120+3G25+2x2.5 YE	0.161	346	45.6	47	46.3	4224	5350
038678	3x150+3G25+2x2.5 YE	0.129	399	52.5	53.9	53.2	5255	7000
038683	3x185+3G35+2x2.5 YE	0.106	456	58.2	59.8	59	6384	8450
038684	3x240+3G50+2x2.5 YE	0.0801	538	64.9	66.9	65.9	9008	11650
038664	3x185+3G35+2x4 YE	0.0801	456			59	6413	8450
038685	3x95+3G16+2x1.5 BK	0.206	298			43.5	3245	4250

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

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