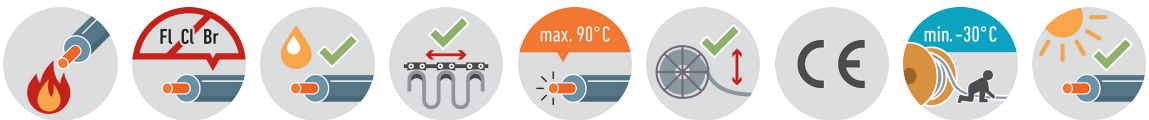
Reeling cable
Reelingflex AL

DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

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.

Construction and technical data:

Conductor material:	aluminium
Conductor construction:	Class 5 = fine stranded - DIN EN IEC 60228 (VDE 0295)
Insulation:	HEPR
Pilot conductor:	copper, bare, class 5, halogen free, EVI-1, red
Material inner sheath:	polyurethan
Self-supporting element:	Kevlar®
Sheathing material:	polyurethan
Colour of outer sheath:	yellow
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	yes
UV-resistant:	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
Min. bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	8 x Ø
Operating speed random, m/min.:	180 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.

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Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 3.5 kV

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Al	Cu	G [kg]
038183	3X25 + 3G6 + 2X2.5	1.285	75	28	251	48	750
038184	3X35 + 3G6 + 2X2.5	0.915	94	30	332	48	1000
038185	3X50 + 3G10 + 2X2.5	0.645	114	34.2	486	48	1250
038186	3X70 + 3G16 + 2X2.5	0.445	146	39	697	48	1600
038187	3X95 + 3G16 + 2X2.5	0.34	177	43.1	903	48	2150
038188	3X120 + 3G25 + 2X2.5	0.266	205	47.3	1170	48	2650
038189	3X150 + 3G25 + 2X2.5	0.213	235	54.7	1490	48	3380
038190	3X185 + 3G35 + 2X2.5	0.174	267	59.3	1782	48	4000
038191	3X240 + 3G50 + 2X2.5	0.132	319	63.5	2340	48	4900

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

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