Rubber reeling cable
Cordaflex® (N)SHTOEU (SMK)-V-S

Application: Extra heavy duty rubber reeling cable for control and power supplies. For applications with high mechanical stresses, especially for simultaneous tensile and torsion stresses. Suitable for motor-driven reels, spring-operated reels, drum-spreader, festoon- and hoisting systems.

- Max. current rating capacity: acc. to VDE 0298-4, tab. 15

Construction and technical data:

Standard:	DIN VDE 0250-814 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	class „FS“ = exceptionally fine stranded
Insulation:	basic EPR
Material inner sheath:	rubber compound based on PCP
Self-supporting element:	aramide
Torsion protection:	polyester braid
Torsion:	+/- 50 °/m
Sheathing material:	rubber compound based on PCP
Colour of outer sheath:	yellow
UV-resistant:	yes
Oil-resistant:	yes
Ozone-resistant:	yes
Water-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °C
Permitted outer cable temperature, fixed, °C:	-50 - +80 °C
Permitted outer cable temperature, moved, °C:	-35 - +80 °C
Min. bending radius, fixed installation:	4 x Ø
Min. distance with S-type diretional changes:	20 x Ø
Bending radius, moving application:	6 x Ø
breaking load:	10 kN
Operating speed vertical reeling, m/min.:	240 m/min.

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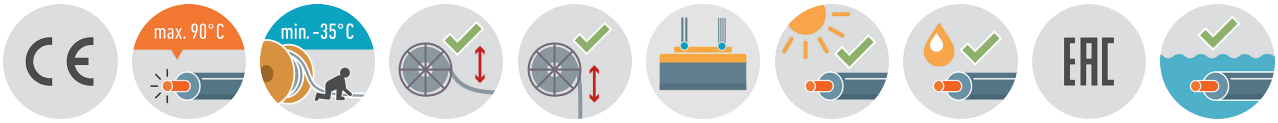

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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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: 3.5 kV

Protective conductor: yes

Core identification: green-yellow + numbers

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ik [kA]	Ø [mm]	Fzd [N]	Cu	G [kg]
052956	36X2.5 YE	7.98	30	0.36	32	3800	1008	1950

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ik	Short-circuit current (1 s)
Ø	outer diameter approx.
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000

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