

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
Bending radius, fixed installation:	4 x Ø
Min. distance with S-type directional changes:	20 x Ø
Bending radius, moving application:	6 x Ø
breaking load:	10 kN
Operating speed vertical reeling, m/min.:	240 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 U₀:	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	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	Ø min. [mm]	Ø max. [mm]	Ø [mm]	Fzd [N]	Cu	G [kg]
052956	36X2.5 YE	7.98	30	0.36	30.5	33.3	32	3800	1008	1950

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _k	Short-circuit current (1 s)
Ø min.	outer diameter min.
Ø max.	outer diameter max.
Ø	outer diameter approx.
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000