

# Rubber reeling cable

## Cordaflex<sup>®</sup> (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.

### Construction and technical data:

<b>Standard:</b>	DIN VDE 0250-814 (with ref. to)
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	class „FS“ = exceptionally fine stranded
<b>Insulation:</b>	polyolefin
<b>Material inner sheath:</b>	rubber compound based on PCP
<b>Self-supporting element:</b>	aramide
<b>Torsion protection:</b>	polyester braid
<b>Sheathing material:</b>	rubber compound based on PCP
<b>Colour of outer sheath:</b>	yellow
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-404
<b>Ozone-resistant:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-50 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-35 - +80 °C
<b>Bending radius, fixed installation:</b>	4 x Ø
<b>Bending radius, moving application:</b>	6 x Ø
<b>breaking load:</b>	5 kN
<b>Operating speed vertical reeling, m/min.:</b>	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 U<sub>0</sub>:** 0.6 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 <sub>bl</sub> [A]	I <sub>k</sub> [kA]	Ø min. [mm]	Ø max. [mm]	Ø [mm]	Fzd [N]	Cu	G [kg]
052956	36X2,5 GE	7.98	30	0.36	30.5	33.3	33.3	3400	1008	1950

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
I <sub>k</sub>	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