

Rubber reeling cable

PRYSMIAN Cordaflex[®] (N)SHTÖU (SMK)-V



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:

Standard:	DIN VDE 0250 -814 (with ref. to)
Conductor material:	bare copper strand
Conductor construction:	class „FS“ = exceptionally fine stranded
Insulation:	ETFE
Material inner sheath:	rubber compound based on PCP
Self-supporting element:	aramide
Torsion protection:	synthetic braid
Torsion:	+/- 50 °/m
Sheathing material:	rubber compound based on PCP
Colour of outer sheath:	yellow
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
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:	-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
operating speed spreader, 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 U_o: 0.6 kV
Nominal voltage U: 1 kV
Test voltage: 3.5 kV
Protective conductor: yes
Core identification: green-yellow + numbers

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Fzd [N]	Cu	G [kg]
051853	24X2.5	7.98	30	29.2	3600	672	1344
051444	30X2.5	7.98	30	32.4	4100	840	1680
051789	44X2.5	7.98	30	37.1	5100	1232	2194
052186	49X1	19.5	18	29.6	3200	546	1313
052014	56X2.5	7.98	30	43.1	6000	1567	3065
053056	20x2,5+3xCAN-BUS+2x(2x2,5)C	7.98	30	45.9	3300	895	2791

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
Ø	outer diameter approx.
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000