

# Rubber reeling cable

## PRYSMIAN Cordaflex(S)<sup>®</sup> (N)SHTOEU



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** As a reeling connection cable for frequently changing dynamic loads, such as for electrically driven loaders (LHDs) in underground mining, suitable for monospiral reels and cylindrical reels.

### Construction and technical data:

<b>Standard:</b>	DIN VDE 0250-814 (with ref. to)
<b>Conductor material:</b>	copper, stranded, tinned
<b>Conductor construction:</b>	class „FS“ = exceptionally fine stranded
<b>Insulation:</b>	rubber 3GI3
<b>Material inner sheath:</b>	rubber (CR) 5GM5
<b>Self-supporting element:</b>	Kevlar <sup>®</sup>
<b>Torsion protection:</b>	polyester braid
<b>Torsion:</b>	+/- 25 °/m
<b>Sheathing material:</b>	rubber (CR) 5GM5
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-2-1
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Max. short circuit temperature at conductor, °C:</b>	250 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +80 °C
<b>Maximum tensile strength at the conductor:</b>	30 N/mm <sup>2</sup>
<b>Operating speed:</b>	160 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.

### Bending radii

installation	Ø <8 mm	Ø = 8-12 mm	Ø = 13-20 mm	Ø >20 mm
free movement	3 x Ø	4 x Ø		5 x Ø
reeling operation			5 x Ø	6 x Ø

**Nominal voltage U<sub>o</sub>:** 0.6 kV  
**Nominal voltage U:** 1 kV  
**Maximum permitted operating voltage in three-phase systems:** 1.2 kV  
**Test voltage:** 2.5 kV  
**Core identification:** colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	I <sub>k</sub> [kA]	Ø [mm]	F <sub>zp</sub> [N]	Cu	G [kg]
053230	04x95 YE	0.21	301	11.59	53	11400	4087	6100
053231	04x95 OG with filaments	0.21	301	11.59	53	11400	4087	6100

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
I <sub>k</sub>	Short-circuit current (1 s)
Ø	outer diameter approx.
F <sub>zp</sub>	Tensile strength (permanent)
Cu	Copper weight (GER)
G	net weight per 1000