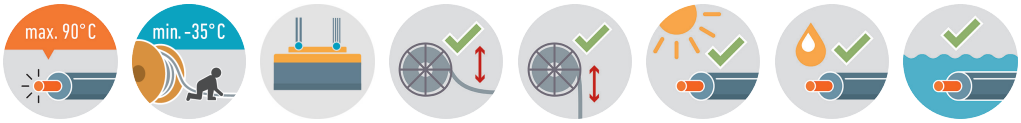
Reeling polyurethane cable
Prysmian® SPREADERFLEX XTRM (N)SHT11Y

Application: High flexible low voltage reeling cable for application under extreme mechanical stresses, specially designed for vertical reeling operation for mobile harbour cranes.
- Bending radius: according to VDE 0298-3
- Current carrying capacity: according to VDE 0298-4

Construction and technical data:

Standard:	DIN VDE 0250-814 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	class „FS“ = exceptionally fine stranded
Insulation:	ETFE
Material inner sheath:	polyurethan
Armour:	polyester braid
Self-supporting element:	aramide
Torsion protection:	synthetic braid
Torsion:	+/- 50 °/m
Sheathing material:	polyurethan
Colour of outer sheath:	black
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. distance with S-type diretional changes:	20 x Ø
Bending radius, single bend:	4 x Ø
Bending radius, moving application:	5 x Ø
breaking load:	20 kN
Operating speed:	160 m/min.
suspension height:	90 m



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.

Construction / Description	
Construction:	Selfsupporting element – aramid fibres –rubber covering - Can-BUS pair-bare copper conductor (class 5) - foam skin PP insulation – foil over twisted pair – tinned copper braid ultramid® covering 5x3x2.5 mm² - bare copper conductor, extra finley stranded - ETFE insulation Core Identification: black with white numbers - foil spinning - Fillers - PP-yarns foil spinning2. Layer 22 x 2.5 mm²-bare copper conductors, extra finely stranded – ETFE insulation - Core Identification: black with white numbers - fleece spinning - PUR- inner Sheat - reiinforced – polyester braid - PUR – outer sheath\ n

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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

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Fzd [N]	Cu	G [kg]
054011	37x2.5+1x CAN-BUS BK	7.98	30	30	4500	1045	1575

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

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