



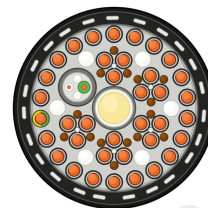
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

XTRM (N)SHT11Y CRANE SPREADER PUR CABLE

Highly flexible low-voltage PUR cable for vertical reeling



APPLICATION

Highly flexible low-voltage reeling cable for extreme mechanical stresses, specially designed for vertical reeling on mobile harbour cranes and spreader applications.

KEY FEATURES

Parameter	Value
Application	Highly flexible low-voltage reeling cable for extreme mechanical stresses
Vertical reeling	Specially designed for mobile harbour cranes and spreader operation
Support system	Self-supporting aramid element with polyester braid and torsion protection
Dynamic service	Operating speed up to 160 m/min; suspension height up to 90 m

DESIGN

Parameter	Value
Conductor	Bare copper, exceptionally finely stranded class FS
Insulation	ETFE for power cores; PP foam skin for CAN-BUS pair
Sheath	Polyurethane inner and outer sheath, black
Type	(N)SHT11Y; 5x3x2.5 mm ² + CAN-BUS

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Rated voltage U ₀ /U	0.6 / 1 kV
Maximum AC operating voltage	1.2 kV in three-phase systems
Test voltage	3.5 kV
Ampacity	According to VDE 0298-4
Conductor temperature	90 deg C; short circuit 250 deg C
Ambient temperature, fixed	-50 deg C to +90 deg C
Ambient temperature, moved	-35 deg C to +90 deg C
Minimum bending radius, single bend	4 x D
Minimum bending radius, moving	5 x D
S-type guide distance	20 x D
Torsion	+/- 50 deg/m
Breaking load	20 kN
Operating speed	160 m/min
Resistance	UV, oil, ozone and water resistant
Standard	DIN VDE 0250-814 with reference to

TECHNICAL DATA

XTRM (N)SHT11Y - 5x3x2.5 mm2 + 1x CAN-BUS						
Configuration	Resistance Ohm/km	Ampacity A	Outer diameter mm	Tensile strength N	Copper kg/km	Net weight kg/km
37x2.5 + 1x CAN-BUS BK	7.98	30	30	4,500	1,045	1,575

CONSTRUCTION AND APPLICATION NOTES

Parameter	Value
Core identification	Black with white numbers
Support	Aramid self-supporting element; reinforced polyester braid
Torsion protection	Synthetic braid
Bending	4 x D single bend; 5 x D moving application
Standard	DIN VDE 0250-814 with reference to VDE 0298-3 and VDE 0298-4

CERTIFICATIONS

