



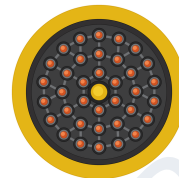
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

RXX LV EXTRA HEAVY-DUTY SPREADER VERTICAL REELING PUR CABLE

Extra heavy-duty PUR cable for vertical high-speed and high-tensile reeling



APPLICATION

Extra heavy-duty round cable for vertical motorized reels with very high tensile loads, high speed and high acceleration. Particularly suitable for spreader reels, grab dredgers and floating dredgers.

KEY FEATURES

Parameter	Value
Maximum load capacity	Additional embedded support element in the center of the design
Protection	Compact double sheath with embedded braid for high torsional forces
Flexibility	Short length of lay for improved rigidity
Wear resistance	Special outer sheath compound for very high wear resistance

DESIGN

Parameter	Value
Conductor	Bare electrolytic copper, very flexible, category 5
Insulation	Special thermoplastic core insulation with high mechanical stability
Sheath	Wear-resistant rubber compound; yellow
Type	(N)SHTOEU-J

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Rated voltage U ₀ /U	600 / 1000 V
Maximum AC voltage U ₀ /U	700 / 1200 V
Maximum DC voltage U ₀ /U	900 / 1800 V
Ampacity	According to table data; otherwise VDE 0298 Part 4
AC test voltage	2.5 kV
Ambient temperature, flexing	-35 deg C to +80 deg C
Ambient temperature, fixed	-50 deg C to +80 deg C
Conductor temperature	90 deg C; short circuit 200 deg C
Minimum bending radius	6 x D reeling; 7.5 x D diversion rollers
S-type guide distance	20 x D minimum distance between changes of direction
Torsional stress	+/- 50 deg/m
Tensile load	According to data table; additional embedded strain relief
Chemical resistance	Ozone, humidity, UV, water, oil and sulfur resistant
Flammability	Low flammability according to DIN VDE 0482 / IEC 60332-1
Materials	EPR insulation; PCP inner and outer sheath; plastic support braid

TECHNICAL DATA

RXX CONTROL CABLE - 0.6/1 kV

Configuration	Outer diameter min.-max. mm	Cu approx. kg/km	Weight approx. kg/km	Permitted tensile load N
49 G 1	26.6 - 29.6	580	1,260	3,200
24 G 2.5	26.2 - 29.2	672	1,340	3,600
30 G 2.5	29.4 - 32.4	848	1,680	4,100
44 G 2.5	34.1 - 37.1	1,243	2,280	5,100
56 G 2.5	40.1 - 43.1	1,567	3,030	6,000

RXX-D DATA CABLE

Configuration	Outer diameter min.-max. mm	Cu approx. kg/km	Weight approx. kg/km	Permitted tensile load N
24 G 50 - 125 SR	17.0 - 19.0	-	350	4,000
24 G 62.5 - 125 SR	17.0 - 19.0	-	350	4,000

APPLICATION NOTES

Parameter	Value
Travel speed	Up to 240 m/min vertical reeling; up to 300 m/min for data cable
Bending	6 x D reeling; 7.5 x D diversion rollers
Water use	Suitable for temporary use in water up to 50 m depth
Standards	(N)SHTOEU-J adapted to DIN VDE 0250

CERTIFICATIONS



TEBAOFLEX CABLE