



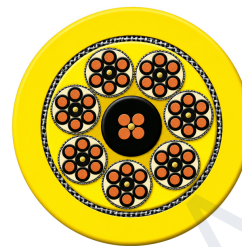
TEBAOFLEX CABLE

DATA SHEET

Crane & Reeling Cable

VERTICAL REELING CONTROL CABLE

0.6/1 kV | Fibre-optic option



APPLICATION

Flexible control cable for vertical reels, spreader reels and tender systems. A grouped-core version with integrated optical fibres is available on request.

CABLE DESIGN

Parameter	Value
Conductor	Very fine plain copper, class 6 to VDE 0295
Insulation	Special technopolymer
Central support	Reinforced support element
Inner sheath	Special elastomeric compound
Torsion protection	Braid embedded between inner and outer sheaths
Outer sheath	Yellow elastomeric compound; tear and abrasion resistant

ELECTRICAL DATA

Parameter	Value
Rated voltage U_0/U	0.6/1 kV
Maximum AC voltage	0.7/1.2 kV
AC test voltage	2.5 kV
Maximum conductor temperature	90 C in operation; 250 C during short circuit

WORKING AMBIENT TEMPERATURE

Condition	Standard version	Type K version
Fixed installation	-40 C to +80 C	-60 C to +60 C
In operation	-20 C to +80 C	-40 C to +80 C

MAXIMUM OPERATING SPEED



VERTICAL REELS
300 m/min



SPREADER REELS
300 m/min



TENDER SYSTEM
180 m/min

TECHNICAL DATA | 0.6/1 kV

Maximum DC conductor resistance measured at 20 C

VERTICAL REELING CABLE					
Cable construction	Cond. dia. mm	DC resist. ohm/km	Tensile load N	Overall dia. min/max mm	Weight kg/m
48x1	1.3	19.5	2000	35.0 / 38.0	1.600
18x2.5*	2.15	7.98	3000	22.0 / 26.0	1.100
24x2.5*	2.15	7.98	3600	26.4 / 29.4	1.400
30x2.5*	2.15	7.98	4700	30.2 / 33.2	1.500
37x2.5*	2.15	7.98	4700	30.2 / 33.0	1.850
42x2.5 (7x6x2.5)**	2.15	7.98	6600	37.8 / 41.8	2.280
44x2.5*	2.15	7.98	5500	32.5 / 35.5	1.950
56x2.5*	2.15	7.98	6600	39.0 / 43.0	2.500
37x3.3*	2.65	6.00	4700	37.0 / 40.0	2.200
42x3.3*	2.65	6.00	6600	41.0 / 44.0	2.450

* Cores arranged in concentric layers. ** Groups of six cores; produced on request.

VERSION WITH OPTICAL FIBRES					
Cable construction	Cond. dia. mm	DC resist. ohm/km	Tensile load N	Overall dia. min/max mm	Weight kg/m
24x2.5 / 4x(6x2.5) + FO**	2.15	7.98	4700	31.8 / 34.8	1.600
30x2.5 / 5x(6x2.5) + FO**	2.15	7.98	4700	34.7 / 38.5	2.080
36x2.5 / 6x(6x2.5) + FO**	2.15	7.98	6600	37.8 / 41.8	2.280
48x2.5 / 8x(6x2.5) + FO**	2.15	7.98	6600	43.8 / 47.8	2.800

FO: integrated optical fibres, 6 to 24 on request.
Standard fibre: 62.5/125; 50/125 and single-mode E9/125 also available.

Overall diameter is shown as minimum / maximum; weight is nominal.

CERTIFICATIONS



TEBAOFLEX CABLE