



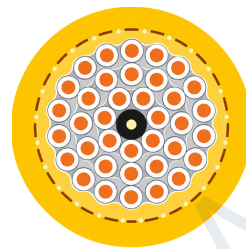
TEBAOFLEX CABLE

DATA SHEET

Crane & Reeling Cable

VERTICAL REELING CABLE 0.6/1 kV

Flexible elastomer cable for vertical reels and spreader systems



APPLICATION

For vertical reeling applications, spreader reels and tender systems. Configurations with additional control cores are available on request.

ELECTRICAL DATA

Parameter	Value
Rated voltage U ₀ /U	0.6/1 kV
Maximum operating voltage	1.2 kV in three-phase systems
Test voltage	3.5 kV
Design reference	DIN VDE 0250-814 (with reference to)

CABLE DESIGN

Parameter	Value
Conductor	Bare copper, extra-fine stranded class 6 to IEC 60228
Insulation	Cross-linked elastomer
Inner sheath	Elastomer
Self-support / torsion	Aramid support element and aramid braid
Outer sheath	Cross-linked elastomer; yellow
UV resistance	Yes

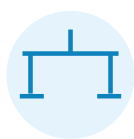
OPERATING CONDITIONS

Parameter	Value
Maximum conductor temperature	90 C
Outer cable temperature, fixed	-40 C to +80 C
Outer cable temperature, moving	-40 C to +80 C
Minimum bend radius, fixed	4 x outer diameter
Minimum bend radius, moving	8 x outer diameter
Spreader operating speed	Up to 300 m/min

APPLICATION & HANDLING



VERTICAL REEL
Vertical duty



SPREADER
Reel systems



CONDUCTOR
90 C max.



BEND RADIUS
4D / 8D



SPEED
300 m/min

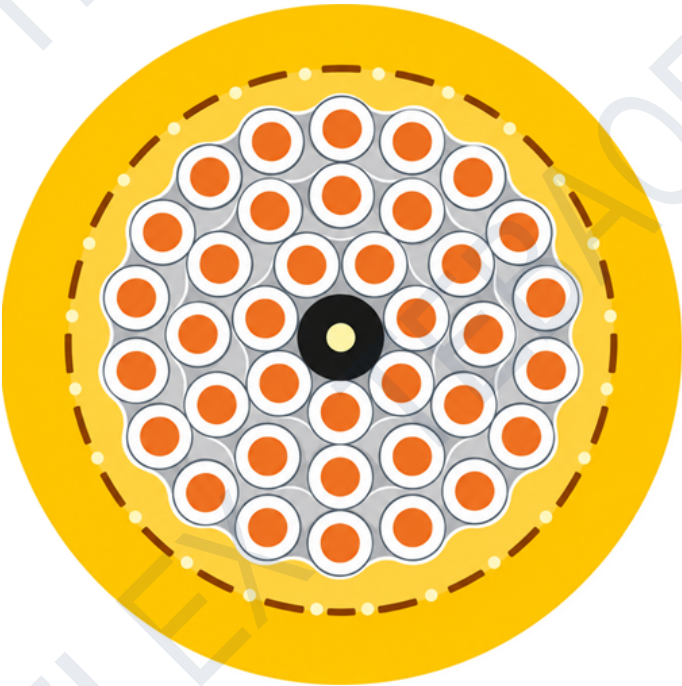
TECHNICAL DATA

CABLE RANGE AND DIMENSIONS			
Configuration	Outer diameter approx. mm	Copper weight* source value	Net weight kg / 1000 m
37 x 2.5	33	888	1850
7 x (6 x 2.5) + 2 x (6 x 2.5)C	49	1296	3530
56 x 2.5	40.5	1344	2550

ELECTRICAL AND TENSILE RATINGS			
Configuration	Resistance ohm/km	Permanent tensile N	Dynamic tensile N
37 x 2.5	7.98	4700	4700
7 x (6 x 2.5) + 2 x (6 x 2.5)C	7.98	6600	6600
56 x 2.5	7.98	6600	6600

* Copper weight is reproduced as a source value; the source does not state its unit.

CABLE CROSS-SECTION



- Class 6 bare copper conductors
- Cross-linked elastomer insulation
- Elastomer inner sheath
- Aramid support and torsion braid
- Yellow UV-resistant outer sheath

RI: conductor resistance
Fzp: permanent tensile force
Fzd: dynamic tensile force

Representative section; core arrangement varies by configuration.

CERTIFICATIONS



TEBAOFLEX CABLE