



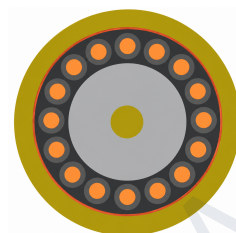
TEBAOFLEX CABLE

DATA SHEET

Crane & Reeling Cable

SPREADER REELING CONTROL CABLE

0.6/1 kV | DIN VDE 0250 Part 814 design basis



APPLICATION

Flexible cable for mobile signalling under high tensile, torsional, abrasion and crushing loads. Used on winding reels for harbour and container cranes, conveyors and vertically reeled spreaders.

CABLE DESIGN

Parameter	Value
Conductor	Extra-flexible tinned copper, finer than class 5
Insulation	Special compound for tensile and thermal resistance
Central filler	Rubber on aramid support element
Core arrangement	Stress-reducing lay for torsion resistance
Anti-twist layer	Polyester braid between inner and outer sheaths
Inner and outer sheaths	Yellow halogen-free polyurethane
Core identification	Black numbered with Y/G, or white numbered

ELECTRICAL DATA

Parameter	Value
Rated voltage U_0/U	0.6/1 kV
Test voltage	4 kV
Maximum AC voltage	0.7/1.2 kV
Maximum DC voltage	1.8 kV
Current rating	According to VDE 0298 Part 4

THERMAL DATA

Parameter	Value
Max. conductor temperature	90 C in operation
Max. short-circuit temperature	200 C
Minimum ambient, moving	-40 C with low-temperature version
Minimum ambient, static	-50 C

APPLICATION SCENES



HARBOUR CRANE
Winding reels



CONTAINER CRANE
Mobile duty



CONVEYOR
Handling



SPREADER
Vertical reeling

TECHNICAL DATA | 0.6/1 kV

CHEMICAL & FIRE PERFORMANCE

Parameter	Value
Oil resistance	According to IEC 60811-404
Ozone resistance	According to IEC 60811-403
Flame behaviour	According to IEC 60332-1-2
Combustion gas emission	According to IEC 60754-1

MECHANICAL DATA

Parameter	Value
Bending radius	According to VDE 0298 Part 3

CABLE RANGE AND DIMENSIONS

Cable construction	Cond. dia. mm	Overall dia. min/max mm	Approx. weight kg/km	Max tensile N
18G2.5	2.1	20.0 / 23.0	830	3350
24G2.5	2.1	25.0 / 28.0	1180	3800
36G2.5	2.1	29.0 / 32.0	1610	4700
37G2.5	2.1	30.0 / 33.0	1670	4775
44G2.5	2.1	32.0 / 35.0	1980	5300
54G2.5	2.1	37.0 / 40.0	2490	6050
56G2.5	2.1	38.0 / 41.0	2610	6200

ORDERING NOTES

Diameter and weight are approximate; confirm tolerances when ordering.
Other cross-sections and sheath colours are available on request.

CERTIFICATIONS

