



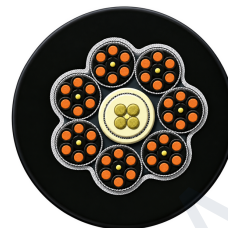
TEBAOFLEX CABLE

DATA SHEET

Crane & Reeling Cable

GRAVITY-FED BASKET CONTROL CABLE

300/500 V | Lead-free | Optical-fibre option



APPLICATION

Heavy-duty cable for gravity-fed collector baskets and spreader connections. Designed for vertical-basket operation with grouped control cores.

CABLE DESIGN

Parameter	Value
Core arrangement	Six-core groups with left-hand lay
Conductor	Extra-flexible copper; maximum single-wire diameter 0.16 mm
Support elements	Aramid reinforcement in the cable assembly
Insulation	Special EPR compound; 90 C conductor rating
Outer sheath	Black polychloroprene compound, above 5GM3 quality

ELECTRICAL & MECHANICAL DATA

Parameter	Value
Rated voltage U_0/U	300/500 V
Maximum AC voltage	550 V
AC test voltage	2 kV
Maximum tensile load	4000 N

WORKING AMBIENT TEMPERATURE

Condition	Standard version	Type K version
Fixed installation	-40 C to +80 C	-60 C to +60 C
In operation	-25 C to +80 C	-40 C to +80 C

BASKET OPERATION & HANDLING



VERTICAL BASKET

160 m/min



CLOCKWISE COILING

From basket base



LEFT-HAND LAY

Cable turns left

TECHNICAL DATA | 300/500 V

Conductor resistance at 20 °C; all rows: max tensile load 4000 N

STANDARD AND K VERSIONS

Cable construction	Cond. dia. mm	DC resist. ohm/km	Overall dia. min/max mm	Weight kg/m	Min. bend mm approx
36x2.5 / 14 AWG	2.00	8.21	38.6 / 41.6	2.600	650
42x2.5 / 14 AWG	2.00	8.21	40.8 / 43.8	3.100	700
48x2.5 / 14 AWG	2.00	8.21	45.8 / 48.8	3.700	750
54x2.5 / 14 AWG	2.00	8.21	48.0 / 52.0	4.100	800
36x3.3 / 12 AWG	2.60	6.11	44.5 / 47.5	3.250	700
42x3.3 / 12 AWG	2.60	6.11	47.6 / 50.6	3.800	750
48x3.3 / 12 AWG	2.60	6.11	52.0 / 55.0	4.500	800
54x3.3 / 12 AWG	2.60	6.11	57.0 / 60.0	5.000	900

OPTICAL-FIBRE VERSION

Cable construction	Cond. dia. mm	DC resist. ohm/km	Overall dia. min/max mm	Weight kg/m	Min. bend mm approx
36x2.5 / 14 AWG + FO*	2.00	8.21	40.8 / 43.8	3.100	700
42x2.5 / 14 AWG + FO*	2.00	8.21	45.8 / 48.8	3.700	750
48x2.5 / 14 AWG + FO*	2.00	8.21	47.0 / 51.0	4.100	800
36x3.3 / 12 AWG + FO*	2.60	6.11	46.6 / 49.6	3.800	750
42x3.3 / 12 AWG + FO*	2.60	6.11	52.0 / 55.0	4.500	800
48x3.3 / 12 AWG + FO*	2.60	6.11	57.0 / 60.0	5.000	900

* 6 to 24 integrated optical fibres available on request.

Standard fibre: 62.5/125; 50/125 and single-mode E9/125 also available.

Overall diameter is minimum / maximum; weight and bend radius are nominal/approximate.

CERTIFICATIONS



TEBAOFLEX CABLE