



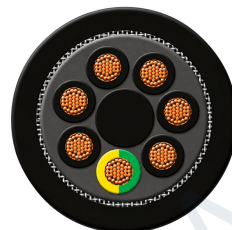
TEBAOFLEX CABLE

DATA SHEET

Crane & Reeling Cable

REELING CONTROL CABLE

(N)SHTÖU-JZ / JZK | 0.6/1 kV



APPLICATION

Reduced-dimension control cable for ground-laid reeling end-feed. Suitable for mono-spiral reels and festoon systems; the JZK variant is made on request.

CABLE DESIGN

Parameter	Value
Conductor	Tinned flexible copper, class 5 to VDE 0295
Insulation	Special compound, at least EPR 3GI3 quality
Inner sheath	Special compound, above GM1b quality
Twist protection	Anti-twist reinforcement
Outer sheath	Black compound, above 5GM3 quality; 5GM5 on request

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	-25 C to +80 C	-40 C to +80 C

AVAILABLE OPTIONS

Parameter	Value
Reduced-halogen version	On request; finished-cable toxicity index <5
Screened construction	Copper-braid screen available on request

MAXIMUM OPERATING SPEED



MONOSPIRAL REEL

240 m/min



FESTOON

240 m/min

TECHNICAL DATA | 0.6/1 kV

Maximum DC conductor resistance measured at 20 C

REELING CONTROL CABLE

Cable construction	Cond. dia. mm	DC resist. ohm/km	Tensile load N	Overall dia. min/max mm	Weight kg/m
7x1.5	1.6	13.7	157	16.0 / 18.0	0.440
12x1.5	1.6	13.7	270	21.0 / 23.0	0.650
18x1.5	1.6	13.7	405	21.5 / 23.5	0.780
24x1.5	1.6	13.7	540	26.0 / 28.0	0.990
30x1.5	1.6	13.7	675	27.5 / 30.5	1.250
36x1.5	1.6	13.7	810	28.5 / 31.5	1.350
7x2.5	2.1	8.21	262	17.8 / 19.8	0.540
12x2.5	2.1	8.21	450	23.3 / 26.3	0.950
18x2.5	2.1	8.21	675	24.5 / 26.5	1.100
24x2.5	2.1	8.21	900	28.5 / 31.5	1.450
30x2.5	2.1	8.21	1125	31.0 / 34.0	1.850
36x2.5	2.1	8.21	1350	32.0 / 35.0	1.950

SPECIAL SIGNAL / SCREENED PAIRS

Cable construction	Cond. dia. mm	DC resist. ohm/km	Tensile load N	Overall dia. min/max mm	Weight kg/m
3x(2x1)C*	1.3	20.0	90	22.5 / 24.5	0.650
3x(2x1.5)C*	1.6	13.7	135	23.5 / 25.5	0.800
6x(2x1)C*	1.3	20.0	180	28.0 / 29.5	1.150
6x(2x1.5)C*	1.6	13.7	270	28.5 / 31.5	1.300
19x2.5 + 5x1.5(C)*	2.1 / 1.6	8.21 / 13.7	938	33.0 / 36.0	1.600

* Copper-braid screened pairs.

Overall diameter is minimum / maximum; cable weight is nominal.

CERTIFICATIONS



TEBAOFLEX CABLE