KONEKA

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TCEKPFLEZE

PE/PE railway safety ground cables, screened, armoured

The cables are waterproof and designed for retraction into conduits, for laying in the ground and in the outside environment for railway telecommunications and control signal systems where elevated mechanical stress requirements are increased. They are highly resistant to the effects of external electromagnetic fields.



TECHNICAL DATA

Standard
TP PRAKAB 02/00

Certificate
EZÚ Czech Republic

Test Voltage
core/core 3 kV / 50 Hz
core/screen 3 kV / 50 Hz
core/armouring 6 kV / 50 Hz

Rated Voltage
380 V

Bending radius (min.)
10 x Ø of cable

Core identification
TP PRAKAB 02/00

Temperature range
Laying temperature: min. -10°C
Operating temperature: -40°C up to 70°C

DESIGN



1. Copper conductor, round solid (RE)
2. Core insulation (foam skin PE), cores star quaded and quads stranded in groups, core stranding petrol jelly filled
3. Inner covering (paper tape)
4. Concentric screen (PE-Al-PE tape)
5. Inner covering (PE, black)
6. Armouring (Al wires with covering)
7. Sheath (PE, black, UV resistant)

Electrical Parameters		
Loop resistance max	Ω/km	50
Capacitance unbalance, max. k	pF/m	0.83
Mutual capacitance, max.	nF/km	60
Impedance at 800 Hz	Ω	390
Attenuation at 800 Hz	dB/km	0.7
Conductor diameter	mm	1
Insulation resistance, min. at 20 °C	MΩ/km	10

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
3 x 2 x 1	24.5	636
4 x 2 x 1	25.4	693
6 x 2 x 1	27.4	814
7 x 2 x 1	27.4	825
12 x 2 x 1	30.7	1045
16 x 2 x 1	32.8	1207
24 x 2 x 1	36.3	1510
30 x 2 x 1	38.5	1709
48 x 2 x 1	44.1	2294
61 x 2 x 1	47.6	2672

Technical changes reserved. All figures are therefore without guarantee.



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