



TCEKPFLEY

PE/PVC railway safety ground cables, screened

RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

The cables are waterproof and designed for cable ducting, laying in the ground, and for external environment for railway telecommunication, control and signaling systems.



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



Rated Voltage
380 V



Bending radius (min.)
10 x Ø of cable



Fire properties
EN 60332-1-2: self-extinguishing
CPR: Eca

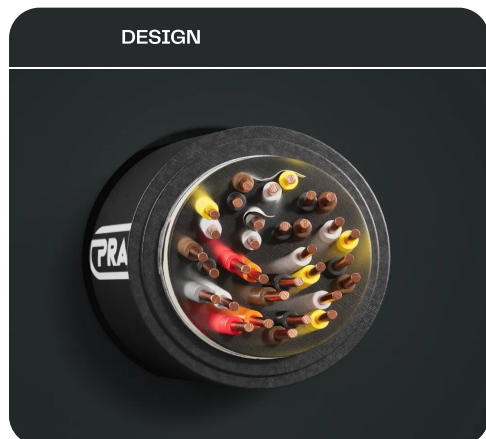


Core identification
TP PRAKAB 02/00



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 Sheath (PE, black)
- 6 Sheath (PVC 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
Conductor resistance, max. at 20 °C	Ω/km	10

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 2 x 1	17.4	297
3 x 2 x 1	16.9	294
4 x 2 x 1	17.8	332
6 x 2 x 1	19.8	414
7 x 2 x 1	19.8	426
12 x 2 x 1	23.1	589
16 x 2 x 1	25.2	712
24 x 2 x 1	28.6	937
30 x 2 x 1	30.9	1098
48 x 2 x 1	36.5	1568
61 x 2 x 1	40.0	1888

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