

RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

TCEKPFLEY

PE/PVC railway safety ground cables,
screened



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
OPR: 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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