

RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

TCEKPFLEZE

PE/PE railway safety ground cables, screened,
armoured



TECHNICAL DATA

	Standard TP PRAKAB 02/00		Bending radius (min.) 10 x Ø of cable
	Certificate EZÚ Czech Republic		Core identification TP PRAKAB 02/00
	Test Voltage core/core 3 kV / 50 Hz core/screen 3 kV / 50 Hz core/armouring 6 kV / 50 Hz		Temperature range Laying temperature: min. -10°C Operating temperature: -40°C up to 70°C
	Rated Voltage 380 V		

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

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