



# TCEKPFLEZE

PE/PE railway safety ground cables, screened, armoured

## RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

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  $\varnothing$  of cable

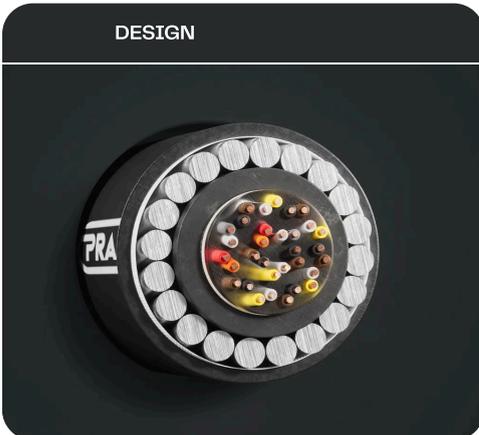


**Core identification**  
TP PRAKAB 02/00



**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

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

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

## CONTACT PERSON

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