



We Make Modern
Life Possible

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



Copper conductor, round solid (RE)



Core insulation (foam skin PE), cores star quaded and quads stranded in groups, core stranding petrol jelly filled



Inner covering (paper tape)



Concentric screen (PE-Al-PE tape)



Sheath (PE, black)



Sheath (PVC black, UV-resistant)

Electrical parameters

Conductor diameter	mm	1
Loop resistance max	Ω/km	50
Conductor resistance, max. at 20 °C	Ω/km	10
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

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

CONTACT PERSON

Ing. Štěpán Laštůvka
Product Supervisor
+420 732 912 682
stepan.lastuvka@prakab.com

