



TCEPKPFLEZE

PE/PE ground telecommunication cables,
screened, armoured

The cables are waterproof, with a low reduction factor and are designed for external telecommunications and data networks, stored in the ground, cable ducts or pipes. Cables are also applicable to various types of transmission systems including ADSL2 + and VDSL2.



TECHNICAL DATA



Standard
TP PRAKAB 08/97
ČSN EN 60708



Certificate
EZÚ Czech Republic



Test Voltage
core/core 500 V / 50 Hz
core/screen 1000 V / 50 Hz



Rated Voltage
250 V



Bending radius (min.)
10 x ϕ of cable

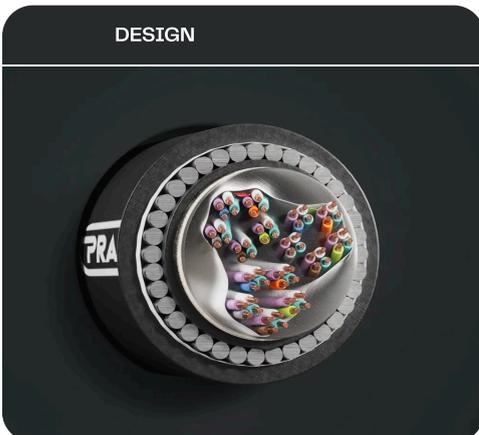


Core identification
ČSN EN 60708



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 Screen (PE Al PE tape)
- 5 Sheath (PE, black)
- 6 Armouring (Al wires)
- 7 Sheath (PE black, UV-resistant)

Electrical parameters

| | | |
|--------------------------------------|----------|----------|
| Conductor diameter | mm | 0.8 |
| Loop resistance, max. at 20 °C | Ω/km | < 74 |
| Insulation resistance, min. / tested | GΩ/km | 1.5 / 10 |
| Mutual capacitance, max. average | nF/km | 42 |
| Mutual capacitance, max. single | nF/km | 49 |
| Attenuation at 16 kHz, max. | dB/km | 3 |
| Attenuation at 80 kHz, max. | dB/km | 5 |
| Capacitance unbalanced, max. k1 | pF/500 m | 160 |

| Number of elements x element x conductor diameter | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|---|---------------------------|----------------------------|
| 3 x 4 x 0.8 | 23.7 | 614 |
| 5 x 4 x 0.8 | 25.8 | 740 |
| 10 x 4 x 0.8 | 30.0 | 1035 |
| 15 x 4 x 0.8 | 32.6 | 1241 |
| 20 x 4 x 0.8 | 35.2 | 1470 |
| 25 x 4 x 0.8 | 37.9 | 1695 |
| 35 x 4 x 0.8 | 41.8 | 2098 |
| 50 x 4 x 0.8 | 47.3 | 2705 |

CONTACT PERSON

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