

# TCEPKPFLEZE

PE/PE ground telecommunication cables,  
screened, armoured



## 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 Ø 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

|                                      |          |          |
|--------------------------------------|----------|----------|
| 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      |
| Conductor diameter                   | mm       | 0.8      |

| 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

**Jan Pietron**  
Key Account Manager  
+420 604 471 907  
jan.pietron@koneka.cz

