

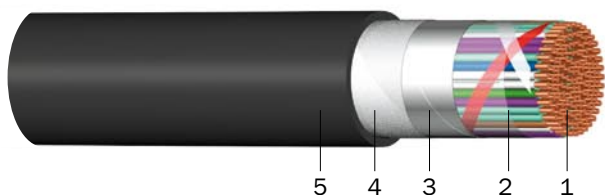
TCEPKPFLE

Underground cable, screened, longitudinally water-proof

Standard: TP PRAKAB 8/97, ČSN IEC 708-1

Usage:

These waterproof cables are suitable for external telecommunications networks which are installed under ground, in cable ducts or conduit.



Construction:

- 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 (plastic tape)
- 4 Screen (copolymer laminated aluminium tape which is welded to the PE sheath)
- 5 Sheath (PE black, UV-resistant)



Rated voltage: 250 Veff



Test voltage: core/core 500 V
core/screen 1000 V



Temperature range:
laying temperature: min. -10 °C to +60 °C
operating temperature: -40 °C to +70 °C



Bending radius (min.): 10 x Ø of cable



Core identification: coloured (IEC 708-1)



Test certificate: EZÚ Czech Republic

Electrical parameters

Parameter	Unit	0.4	0.6	0.8
Conductor diameter	(mm)	0.4	0.6	0.8
Loop resistance, max.	(Ω/km)	300	133.2	73.6
Resistance difference.	(%)	-	-	2
Insulation resistance, min. /tested	(MΩ.km)	1,500/10,000	1,500/10,000	1,500/10,000
Mutual capacitance, average, max.	(nF/km)	42	42	42
Mutual capacitance, single value, max.	(nF/km)	49	49	49
Capacitance unbalance K_1 , max.	(pF/500 m)	800	800	800
Specific attenuation at 16 kHz, max.	(dB/km)	6.7	3.8	3
Specific attenuation at 80 kHz, max.	(dB/km)	10	6	5

Number of cores x nominal cross section (mm ²)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
TCEPKPFLE				
1 x 4 x 0.4	8.6	5	58	2000 T
3 x 4 x 0.4	10.4	15	86	2000 T
5 x 4 x 0.4	11.0	25	102	2000 T
10 x 4 x 0.4	11.8	50	157	2000 T
15 x 4 x 0.4	14.0	74	207	2000 T
20 x 4 x 0.4	14.5	99	239	2000 T
25 x 4 x 0.4	15.8	124	292	2000 T

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Number of cores x nominal cross section (mm ²)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
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35 x 4 x 0.4	17.8	173	389	2000 T
50 x 4 x 0.4	20.1	247	501	1000 T
75 x 4 x 0.4	23.8	370	738	1000 T
100 x 4 x 0.4	27.0	493	910	1000 T
150 x 4 x 0.4	32.2	739	1,366	1000 T
200 x 4 x 0.4	36.2	986	1,772	500 T
300 x 4 x 0.4	43.3	1,478	2,581	500 T
1 x 4 x 0.6	9.0	11	62	2000 T
3 x 4 x 0.6	11.0	34	19	2000 T
5 x 4 x 0.6	12.5	56	151	2000 T
10 x 4 x 0.6	14.0	111	238	2000 T
15 x 4 x 0.6	16.4	167	348	2000 T
20 x 4 x 0.6	18.9	222	434	2000 T
25 x 4 x 0.6	21.0	278	501	1000 T
35 x 4 x 0.6	23.0	388	684	1000 T
50 x 4 x 0.6	26.5	555	927	1000 T
75 x 4 x 0.6	32.0	832	1,367	1000 T
100 x 4 x 0.6	36.4	1,109	1,885	1000 T
150 x 4 x 0.6	42.9	1,663	2,701	500 T
200 x 4 x 0.6	50.1	2,218	3,580	500 T
1 x 4 x 0.8	9.6	20	83	2000 T
3 x 4 x 0.8	13.0	60	164	2000 T
5 x 4 x 0.8	14.5	99	231	2000 T
10 x 4 x 0.8	18.0	198	378	2000 T
15 x 4 x 0.8	21.5	296	552	2000 T
20 x 4 x 0.8	23.1	395	726	1000 T
25 x 4 x 0.8	27.0	493	806	1000 T
35 x 4 x 0.8	30.0	690	1,135	1000 T
50 x 4 x 0.8	34.3	986	1,658	1000 T
75 x 4 x 0.8	43.0	1,478	2,459	500 T
100 x 4 x 0.8	51.3	1,971	3,487	500 T

Subject to technical changes.