

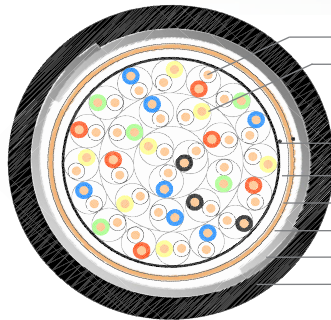
ZPAU 450/750 V

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Reference standard :

SNCF - CT445


Construction



1. Solid copper conductor
2. PE insulation
Twisted pairs laid up in concentric layers
Colour coding acc. CT 445
3. Common core covering
4. PE inner sheath
5. Copper anti-induction screen
6. Separation and protection sheath (taped or extruded)
7. 2 layers of steel tape
8. PVC or halogen free compound outer sheath black

Properties

- Excellent mechanical protection (also against rodent attacks)
- Protected against inductive influence
- Service temperature: -30 ... +70 °C
- Laying temperature: -5 ... +60 °C
- Min. bending radius: 10 x cable outer diameter
- Max. pulling force: 50 N/mm² x total cross-section of all copper conductors together
- Reaction to fire acc. to NFC 32-070 class C2

Dimensions

Cross-section	Diameter over watertightness sheath approx. mm	Outer sheath thickness mm	Outer diameter approx. mm	Weight of cable approx. kg/km
1 x 2 x 2,5 mm ²	10,0	1,5	18,5	565
4 x 2 x 1 mm ²	12,0	1,5	19,7	628
7 x 2 x 1 mm ²	13,5	1,6	22,1	788
14 x 2 x 1 mm ²	19,5	1,7	27,9	1197
21 x 2 x 1 mm ²	23,0	1,8	31,6	1513
28 x 2 x 1 mm ²	26,5	2,0	35,6	1833
56 x 2 x 1 mm ²	36,0	2,2	45,0	2950

All information given is indicative only and not binding and can be subject to change without notice.



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Electrical properties

- Conductor resistance (DC) @ 20 °C: max. 18,1 Ω /km
- Insulation resistance @ 20 °C: min. 5 G Ω *km
- Voltage test: 3 kV AC/ 3 min
- Mutual capacitance: max. 55 nF/km for 1 mm² max. 45 nF/km at 8,9 kHz for 2 mm²
- Capacitance unbalance: 2 pairs cable: max. 300 pF/500 m
other models: max. 200 pF/500 m (all values)
- Impedance: 20 - 45 kHz: for pairs cable 120 \pm 10 Ω (for star quads cable: 140 \pm 10 Ω)
45 - 80 kHz: for pairs cable 115 \pm 10 Ω (for star quads cable: 130 \pm 10 Ω)
- Attenuation: 20 - 45 kHz: max. 2,5 dB/km
45 - 80 kHz: max. 3 dB/km
- Reducing factor (50 Hz): according to SNCF specification CT 445