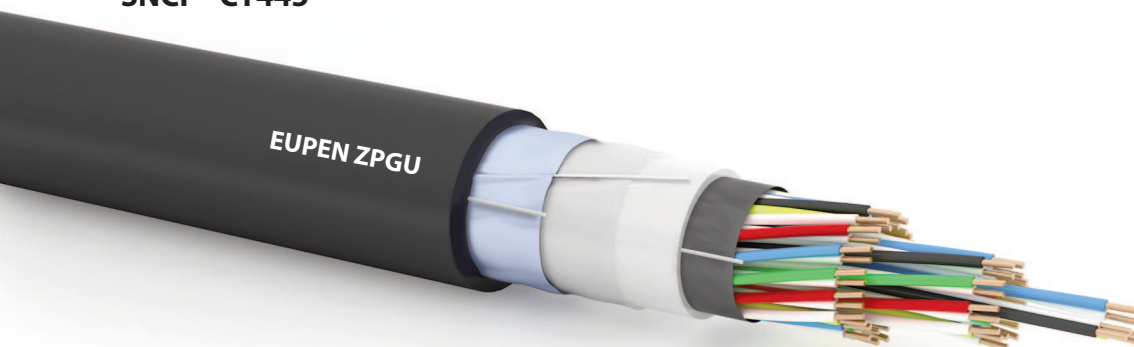


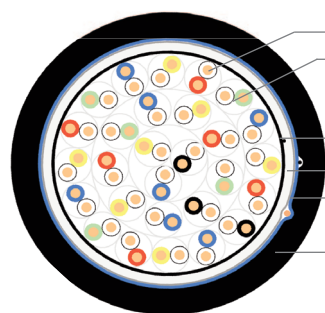
## ZPGU 450/750 V

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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. Overall screening: laminated Alu/PET tape in contact with a tinned copper drain wire
6. PVC or halogen free compound outer sheath black

### Properties

- Protected against electrostatic influence
- Service temperature: -30 ... +70 °C
- Laying temperature: -5 ... +60 °C
- Min. bending radius: 10 x cable outer diameter
- Max. pulling force: 50 N/mm<sup>2</sup> 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 1 mm <sup>2</sup>	7,0	1,3	10,0	105
2 x 2 x 1 mm <sup>2</sup>	8,0	1,3	11,0	135
3 x 2 x 1 mm <sup>2</sup>	10,5	1,4	14,0	195
7 x 2 x 1 mm <sup>2</sup>	14,0	1,4	17,0	325
14 x 2 x 1 mm <sup>2</sup>	19,5	1,5	23,0	570

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



## ZPGU 450/750 V

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### Electrical properties

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- Conductor resistance (DC) @ 20 °C: max. 18,1  $\Omega$ /km
- Insulation resistance @ 20 °C: min. 5  $G\Omega$ \*km
- Voltage test: 3 kV AC/ 3 min
- Mutual capacitance: max. 55 nF/km
- Capacitance unbalance: 2 pairs cable: max. 300 pF/500 m  
other models: max. 200 pF/500 m (all values)