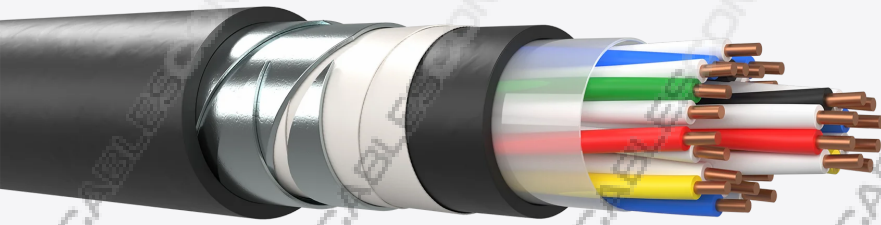


Cable ZPFU

RAILWAY SIGNALLING CABLES, MULTICORE, PE SHEATH FOR EXTERNAL INSTALLATIONS WATERBLOCKING AND RODENT RESISTANT



Description and application

Railway signalling cables from 1 to 28 pairs. Copper conductor of 1 mm², insulated with solid polyethylene and stranded in pairs. Armoured with two steel tapes applied helically. PVC unleaded outer sheath. This cable is flame retardant and resistant to mineral oils. Generally according to SNCF CT-445 and EN 50265-2-1

This cable is used to connect the control centre to the centres of satellite equipment. Installed in conduit or buried along electrified or non-electrified routes to 1500 volts dc. It can also be installed in short lengths along routes electrified at 25 kV ac.

Construction

- Conductors: Annealed copper, section: 1 mm².
- Insulation: Solid high density polyethylene.
- Cabling element: Pairs.
- Lay-up: In layers. Colour code according to SNCF CT-445.
- Core wrapping: Dielectric tape longitudinally applied with overlap.
- Inner sheath: Polyethylene.
- Armour: Two steel tapes helically applied.
- Outer sheath: Black unleaded and UV resistant PVC.
- Markings:
 - CABLESCOM / year / Length markings (Other type of marking available upon request)

ELECTRICAL CHARACTERISTICS (20°C)

| | |
|---|------------------|
| | 1mm ² |
| Maximum resistance (Ω/km) | < 2.5 |
| Minimum insulation resistance (MΩxkm, 20°C, 500V) | 5000 |
| Mutual capacity (nF/km, 800 Hz) | max55 |
| Dielectric strength (Vdc, 2min) Conductor - Conductor | 4500 |
| Dielectric strength (Vdc, 2min) Conductor - Screen | 4500 |
| AS/DC operating voltage (V) | |

MECHANICAL AND THERMAL PROPERTIES

| | |
|--------------------------------|-----------------|
| Maximum allowable radius | 15 x R cable |
| Operating temperature range | -25 °C a +75 °C |
| Installation temperature range | |

DIMENSIONS AND WEIGHTS

| Number of conductors | Cable ZPFU x 1 Nominal Weight (kg/km) | Nominal OD (mm) |
|----------------------|--|-----------------|
| 1x2 | 176 | 12.0 |
| 2x2 | 251 | 13.3 |
| 4x2 | 405 | 18.5 |
| 7x2 | 690 | 20.0 |
| 14x2 | 1089 | 26.7 |
| 21x2 | 1409 | 30.9 |
| 28x2 | 1716 | 34.3 |