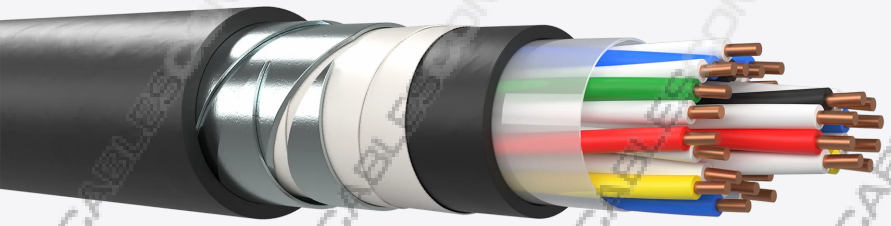
Cable ZPFU

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)

	1mm2
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
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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