

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)



Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza - Spain +34 976 729 900 |

www.cablescom.com | comercial@cablescom.com

Certified Company ISO 9001 - ISO 14001

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

TITLE	EDITION	APPROVED BY	DATE
Cable ZPFU	2	O.salomon	2019-03-06



ELECTRICAL CHARACTERISTICS (20°C)

J J	y y	J.	1mm2
Maximum resistance (Ω/km)		8	< 2.5
Minimum insulation resistance (MΩxkm, 20°C	, 500V)		5000
Mutual capacity (nF/km, 800 Hz)	5 5	£ §	max55
Dielectric strength (Vdc, 2min) Conductor - Co	onductor		4500
Dielectric strength (Vdc, 2min) Conductor - Sc	reen	ă	4500
AS/DC operating voltage (V)	S	S	T

MECHANICAL AND THERMAL PROPERTIES

Maximum allowable radius	G.	49	15 x R cable	49
Operating temperature range	ğ	ğ	-25 °C a +75 °C	ğ
Installation temperature range	Q.	O'	Q.	C)



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DIMENSIONS AND WEIGHTS

4	4	- I	le ZPFU x 1	4	4
~	r of conductors	Nomi	inal Weight (kg/km)	12.0	ominal OD (mm)
2x2	O'	251	Ç,	13.3	0
4x2	2	-2	25		2 - 4
	- 2	405		20.0	
7x2	Y	690	¥	- 4	<i>Y</i>
14x2	9	1089	2	26.7	
21x2	9	U 1409	0	30.9	· ·
28x2	2	1716	2	34.3	2 1



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