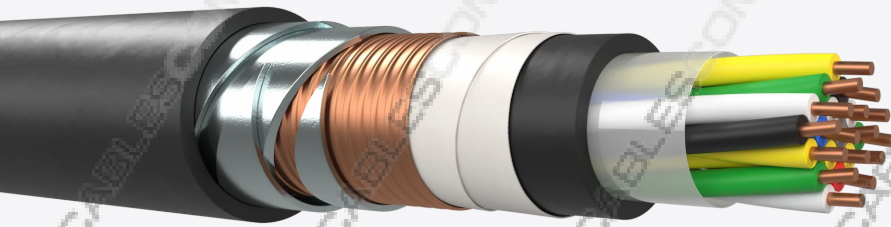


Cable ZC03

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



Description and application

Railway signalling cable of 8 pairs (4 quads), Copper conductor of 1 mm², insulated with solid coloured polyethylene. Stranded in quads. Shielded with a corrugated copper tape and armoured with two steel tapes helically applied. PVC unleaded outer sheath. To be installed in conduit or buried along routes electrified at 25000 volts. Generally according to SNCF CT-445 and EN 50265-2-1

This cable is protected against external inductions of the catenaries. It is used to connect the control centre to the track equipment.

Construction

- Conductors: Annealed copper, section 1 mm².
- Insulation: Solid HDPE.
- Cabling elements: 4 star quads.
- Core wrapping. Longitudinal dielectric tape applied with overlap.
- Waterproof inner sheath: Polyethylene.
- Screen: Corrugated copper tape longitudinally applied with overlap.
- Protective layer: Synthetic material arranged longitudinally with overlap.
- Armour: 2 steel tapes applied helically.
- Outer sheath: Black unleaded, oil and UV resistant PVC.
- Sheath marks: The sheath shall be marked, at a regular intervals, with the following information:

- CABLESCOM - CABLE TYPE -YEAR -LENGTH MARK



TITLE	EDITION	APPROVED BY	DATE
Cable ZC03	2	O.salomon	2019-03-06

ELECTRICAL CHARACTERISTICS (20°C)

	1.13
Maximum resistance (Ω/km)	≤18.1
Minimum insulation resistance (MΩxkm, 20°C, 500V)	≥5000
Mutual capacity (nF/km, 800 Hz)	200
Dielectric strength (Vdc, 2min) Conductor - Conductor	<300
Dielectric strength (Vdc, 2min) Conductor - Screen	
AS/DC operating voltage (V)	

MECHANICAL AND THERMAL PROPERTIES

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

DIMENSIONS AND WEIGHTS

Cable ZC03 x 1.13**Number of conductors****Nominal Weight (kg/km)****Nominal OD (mm)**

4x4

1502

27.0