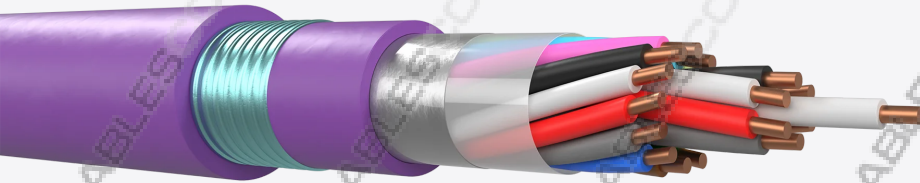


Cable Multiconducteurs ATISTI

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



Description and application

Cables from 4 to 61 conductors of 1.4 mm nominal diameter, with solid polyethylene insulation. The conductors are stranded in layers to form the core which is then protected by a double LSZH sheath. Appropriate for external installation and in tunnels where fire resistant characteristics and protection against rodents are required.

They are used as signalling cables in railways infrastructures. For installation in ducts or directly buried.

Construction

- Conductors: Annealed copper. Nominal diameter 1.4 mm.
- Insulation: Solid polyethylene.
- Cabling elements: Insulated conductors.
- Lay-up: Stranded in layers
- Core wrapping: Dielectric tape longitudinally applied with overlap.
- Cable screen: Aluminium copolymer tape longitudinally applied with overlap and bonded to the inner sheath.
- Inner sheath: Violet LSZH material, RAL 4008.
- Armour: Corrugated steel copolymer tape, longitudinally applied with overlap.
- Outer sheath: UV resistant LSZH material coloured violet RAL 4008.
- Sheath markings: The outer sheath shall be marked at regular intervals, with the following information:
 - Name of manufacturer/ Year/ Length marks
 - Other type of marks according to the customer

ELECTRICAL CHARACTERISTICS (20°C)

	1.4
Maximum resistance (Ω/km)	11.9
Minimum insulation resistance (MΩxkm, 20°C, 500V)	35000
Mutual capacity (nF/km, 800 Hz)	
Dielectric strength (Vdc, 2min) Conductor - Conductor	3000
Dielectric strength (Vdc, 2min) Conductor - Screen	5000
AS/DC operating voltage (V)	

MECHANICAL AND THERMAL PROPERTIES

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

DIMENSIONS AND WEIGHTS

Cable Multiconducteurs ATISTI x 1.4

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
4x1	285	14.4
7x1	365	15.7
9x1	450	18.4
12x1	500	18.4
19x1	665	20.5
27x1	865	23.4
37x1	1075	25.5
48x1	1320	28.4
61x1	1620	31.7