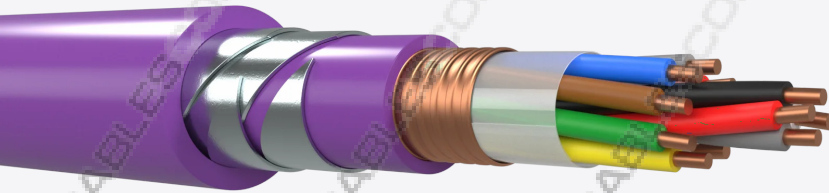


Cable Multiconductor FC-TI-2S-TI Rk0,3

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



Description and application

Cables from 4 to 48 conductors. Copper conductor of 1,4mm section insulated with polyethylene. Conductors are stranded in layers to form the core, core that is protected with a double LSZH sheath, core that is protected with a non-inductive reduction factor 0,3 sheath.

They are used as signaling railway applications where protection against inductions is required. Recommended for installation in ducts or tunnels where its behaviour against fire and rodent must be controlled.

Construction

- Conductors: Annealed copper. Section: 1,4mm.
- Insulating: Solid polyethylene.
- Cabling element: Conductors.
- Core Construction: Conductors are stranded in layers. See coloured code table.
- Core wrapping: Dielectric tape longitudinally applied with overlap.
- Screen: Corrugated copper tape longitudinally applied with overlap.
- Inner sheath: Violet LSZH material.
- Armour: Two steel tapes helically applied.
- Outer sheath: UV resistant violet LSZH material.
- Marking: CABLESCOM / Year / Length (Other type of marking available under request)

ELECTRICAL CHARACTERISTICS (20°C)

	1.4
Maximum resistance (Ω/km)	11.9
Minimum insulation resistance (MΩxkm, 20°C, 500V)	15000
Mutual capacity (nF/km, 800 Hz)	
Dielectric strength (Vdc, 2min) Conductor - Conductor	3000
Dielectric strength (Vdc, 2min) Conductor - Screen	3500
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 Multiconductor FC-TI-2S-TI Rk0,3 x 1.4

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
4x1	830	21,2
7x1	850	21,2
9x1	850	21,5
12x1	900	22
19x1	1100	23,9
27x1	1350	26,6
37x1	1600	28,1
48x1	2000	31,1