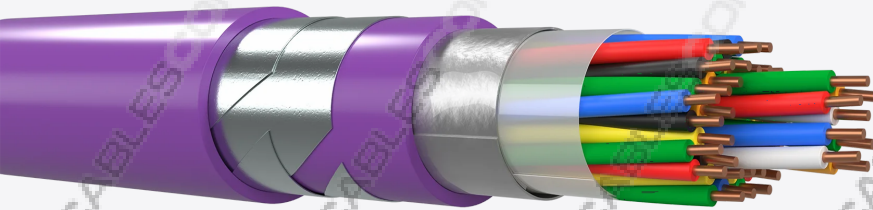


Cable Quad EATSST

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



Description and application

Cables from 1 to 25 quads, of 0.9 or 1.4 mm, polyethylene insulated. Quads are stranded in layers to form the core which is then protected by a double LSZH material sheath, aluminium screen and double Steel tape (EATSST) armour.

Cables for railway telecommunications, to install in ducts or tunnels where behaviour against fire is needed.

Construction

- Conductors: Annealed copper solid wire, 0.9 or 1.4 mm. diameter.
- Insulating: Solid polyethylene.
- Core formation: Star Quads. See colour code table.
- Core wrapping: Dielectric tape longitudinally applied with overlap.
- Screen: Aluminium-copolymer tape longitudinally applied with overlap.
- Inner sheath: 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)

	0.9	1.4
Maximum resistance (Ω/km)	29.0	11.9
Minimum insulation resistance (MΩxkm, 20°C, 500V)	15000	15000
Mutual capacity (nF/km, 800 Hz)	Medio: 38±3; Max: 45	Medio: 41±4; Max: 48
Dielectric strength (Vdc, 2min) Conductor - Conductor	3000	3000
Dielectric strength (Vdc, 2min) Conductor - Screen	3500	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 Quad EATSST x 0.9		
Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	263	12,7
3x4	404	16
5x4	552	18,8
7x4	646	20,6
10x4	813	23,3
14x4	1005	26
19x4	1268	29,4
25x4	1544	32,7

Cable Quad EATSST x 1.4		
Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	329	13,6
3x4	622	20,2
5x4	927	25,5
7x4	1070	26,1
10x4	1430	30,9
14x4	1853	35,1
19x4	2342	39
25x4	2909	43,5