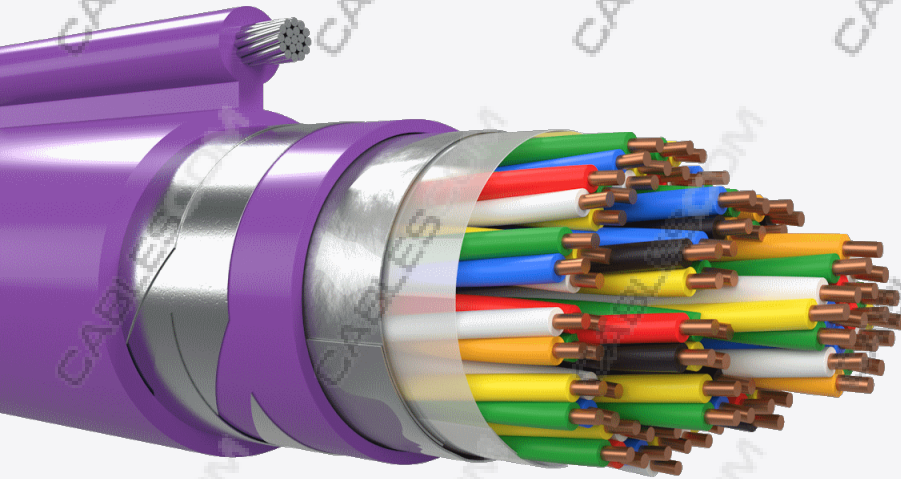


Cable Self-Supported Quad EAPSSP-8

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



Description and application

Cables from 1 to 28 quads, of 0.9 or 1.4 mm, polyethylene insulated. Conductors are stranded in layers to form the core, core that is protected with a self-supported typo EAPSSP-8 sheath.

Cables use for networks or trucks, especially in railway applications. Aerial installation.

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: Low Density polyethylene.
- Armour: Two steel tapes helically applied.
- Outer sheath: black PE material.
- Support: Galvanized Steel wire rope.
- 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 Self-Supported Quad EAPSSP-8 x 0.9

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	325	24,3+14,3
3x4	456	27,6+17,6
5x4	756	34,7+21,2
7x4	846	36,5+23,0
10x4	996	39,0+25,5
14x4	1183	41,7+28,2
19x4	1407	44,7+31,2
25x4	1689	49,2+35,7
28x4	1790	49,2+35,7

Cable Self-Supported Quad EAPSSP-8 x 1.4

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	389	25,2+15,2
3x4	663	31,8+21,8
5x4	1105	41,2+27,7
7x4	1259	42,7+29,2
10x4	1536	45,8+32,3
14x4	1905	49,6+36,1
19x4	2354	53,9+40,4
25x4	2874	58,3+44,8
28x4	3123	59,3+45,8