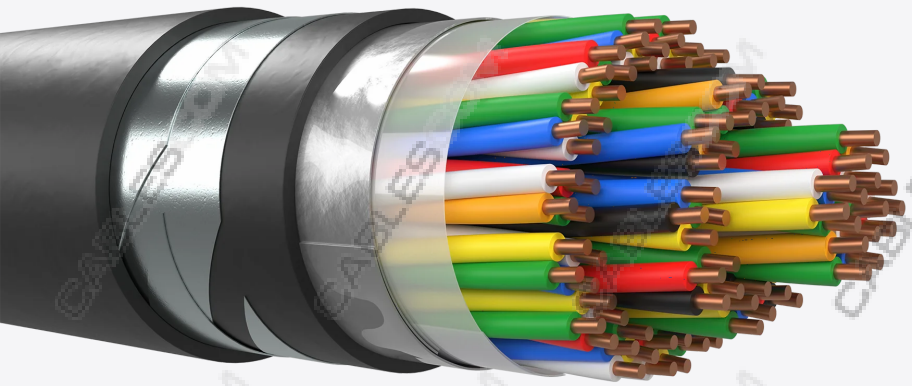
Cable Quad EAPSSP

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. Quads are stranded in layers to form the core which is then protected by a double polyethylene sheath, aluminium screen and double Steel tape (EATSST) armour.Installed in ducts or buried.

Cables for networks or trucks, especially in railway applications.

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: Polyethylene.
- Armour: Two steel tapes helically applied.
- Outer sheath: UV resistant black polyethylene material.
- Marking: CABLESCOM / Year / Lenght (Other type of marking available under request)

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

TITLE	EDITION	APPROVED BY	DATE
Cable Quad EAPSSP	1	O.salomon	2022-08-10

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 EAPSSP x 0.9

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	214	12,9
3x4	339	16,2
5x4	464	18,8
7x4	549	20,6
10x4	690	23,1
14x4	1188	27
19x4	1443	30
25x4	1723	33,1
28x4	1870	34,5

Cable Quad EAPSSP x 1.4

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	309	15,5
3x4	536	20,4
5x4	815	25,9
7x4	943	26,3
10x4	1233	30,5
14x4	1605	34,5
19x4	2062	38,6
25x4	2574	42,9
28x4	2840	44,8

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