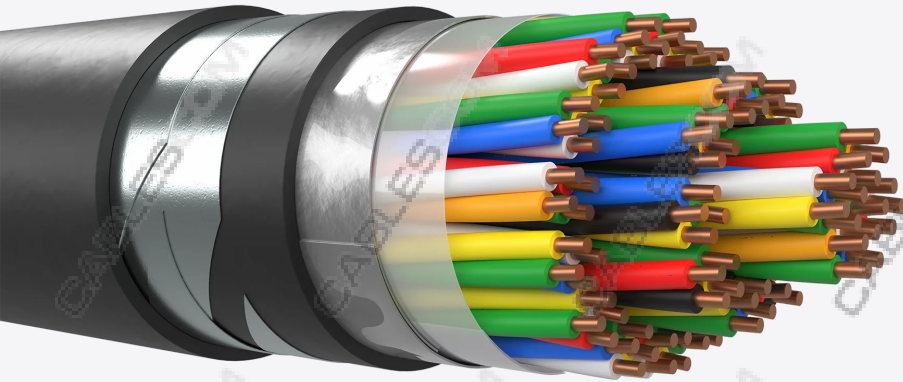


## Cable Quad EAPSSP

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 / 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

<b>Cable Quad EAPSSP x 0.9</b>		
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

<b>Cable Quad EAPSSP x 1.4</b>		
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