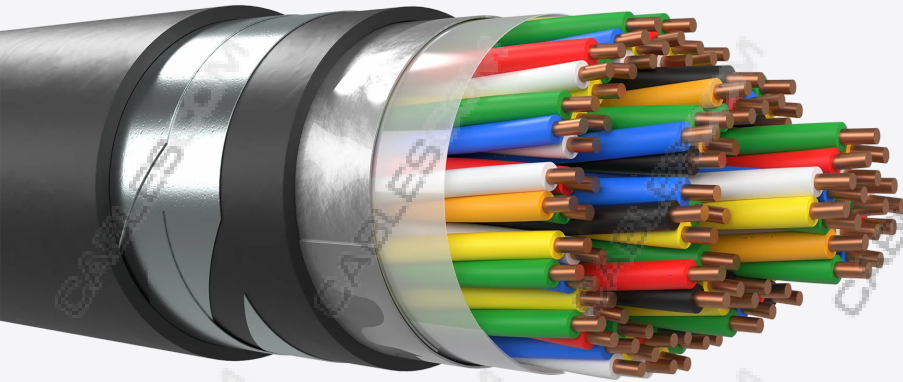


Cable Quad EAPSSP

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

| 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 |