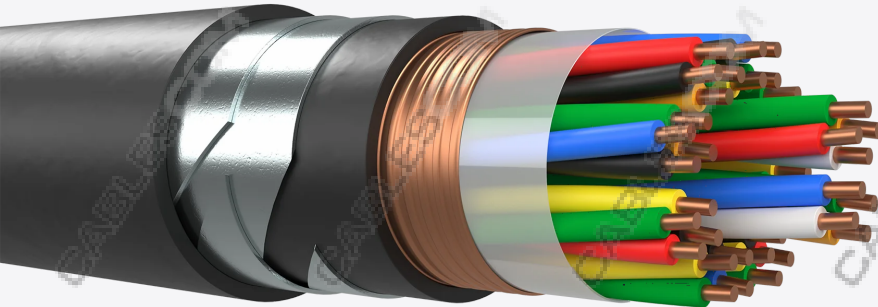


Cable Quad FC-P-2S-P Rk0,3

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 non-inductive reduction factor 0,3 PE material type CCPSSP sheath. Installed in ducts or buried with special protection against rodents.

Cables use for networks or trucks, especially in railway applications where protection against HV lines inductions is required.

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: Corrugated copper tape longitudinally applied with overlap.
- Inner Sheath: Black PE material.
- Armour: Two steel tapes helically applied.
- Outer Sheath: UV resistant black PE 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 FC-P-2S-P Rk0,3 x 0.9

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	597	19,4
3x4	690	20,4
5x4	792	21,3
7x4	932	24
10x4	1114	26,4
14x4	1374	29,8
19x4	1634	31,7
28x4	2002	35,9

Cable Quad FC-P-2S-P Rk0,3 x 1.4

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	640	20,8
3x4	930	25,9
5x4	1145	26,4
7x4	1465	31,3
10x4	1790	35,1
14x4	2250	38,6
19x4	2610	42,9
25x4	3255	47,2