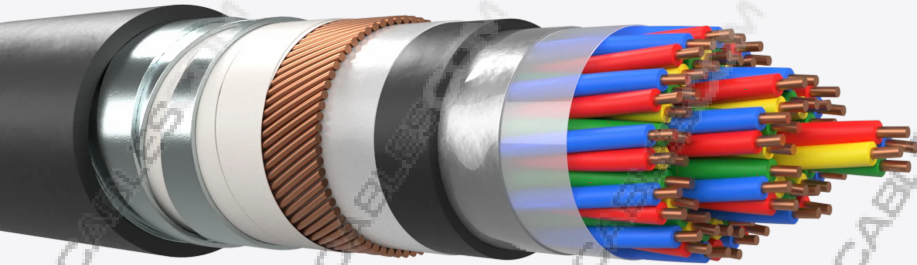


Cable Quad EAP-CC-2S-P-R

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



Description and application

Cables with 7, 12 and 19 star quads, Ø1,2mm foam-skin PE-insulated conductors and stranded in layers to build the core, which is jelly filled. The cable core is then protected with a double PE sheath. To protect these cables against humidity, electromagnetic interferences and mechanical efforts, they have an aluminium shield, a copper wire screen and a galvanized steel armour. Paper and plastic tapes complete the cable formation. To be installed in ducts or direct buried According to MÁV P-2518/2002 technical specification.

The recommended application is for installations or maintenance in telecommunication, distribution, power-control & instrumental railway networks.

Construction

- Conductors: Annealed copper; 1,2mm nominal diameter.
- Insulation: Foam-skin PE.
- Stranded element: Star quads.
- Core: 7, 12 and 19 quads in layers.
- Filling compound: Cable core jelly filled.
- Core wrapping: Impregnated longitudinal paper or plastic tape with overlap in one or more layers.
- Aluminium shield: Copolymer coated aluminium tape longitudinally applied with overlap.
- Inner sheath: Black polyethylene.
- Copper wire screen: One or more impregnated paper overlapped tapes + copper wire screen.
- Steel armour: Double overlapped plastic tape + double full galvanized steel tape.

- Outer sheath: Black UV resistant PE sheath.
- Marking: The sheath shall be marked at regular intervals with the following information:
 - Cablescom / MÁV ZRt. / [C5, B8 or B9] / telephone symbol / year / Production number / CE / Length markings

ELECTRICAL CHARACTERISTICS (20°C)

	1.2
Maximum resistance (Ω/km)	31.5
Minimum insulation resistance ($\text{M}\Omega \times \text{km}$, 20°C, 500V)	10
Mutual capacity (nF/km , 800 Hz)	35 [-10%, +5]
Dielectric strength (Vdc, 2min) Conductor - Conductor	2800
Dielectric strength (Vdc, 2min) Conductor - Screen	5600
AS/DC operating voltage (V)	

MECHANICAL AND THERMAL PROPERTIES

Maximum allowable radius	
Operating temperature range	
Installation temperature range	

DIMENSIONS AND WEIGHTS

Cable Quad EAP-CC-2S-P-R x 1.2

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
7x4	2800	39,8
12x4	3300	45,1
19x4	4200	50,6