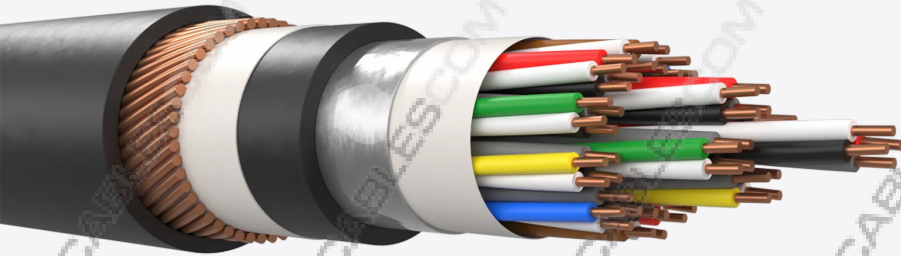


## Cable Quad EAP-CC-P-R

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



### Description and application

Cables from 1 to 50 star quads, conductors with diameter 0.8mm and foam skin-PE-insulated, stranded into 5-quad units to build the core, which is jelly filled. The filled cable core is then protected with a double PE sheath with a copper wire screen between them. To be installed in ducts or direct buried Generally according to MÁV Technical Specifications: P-2518\_2002

The recommended application is for railway telecommunication with high electromagnetic inductions.

### Construction

- Conductors: Annealed copper; 0.8mm nominal diameter.
- Insulation: Foam skin PE.
- Stranded element: Star quads.
- Core: From 1 to 50 quads in 5-quad units.
- Filling compound: Cable core filled
- Core wrapping: Double impregnated longitudinal paper tape with overlap.
- Aluminium screen: Copolymer coated aluminium tape longitudinally applied with overlap and bonded to the inner sheath.
- Inner sheath: Black polyethylene.
- Main screen: Impregnated paper tape + copper wire screen + polypropylene tape.
- Outer sheath: Black UV resistant PE sheath.
- Marking: The sheath shall be marked at regular intervals with the following information:
  - Cablescom / MÁV ZRt. / HvrQ / telephone symbol / year / Length markings / Production number / CE

## ELECTRICAL CHARACTERISTICS (20°C)

	0.8
Maximum resistance ( $\Omega/\text{km}$ )	73,2
Minimum insulation resistance ( $\text{M}\Omega \times \text{km}$ , 20°C, 500V)	5
Mutual capacity (nF/km, 800 Hz)	Max 42
Dielectric strength (Vdc, 2min) Conductor - Conductor	500
Dielectric strength (Vdc, 2min) Conductor - Screen	2000
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-P-R x 0.8

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x4	375	18.0
5x4	750	24.7
10x4	1000	27.8
15x4	1200	30.7
25x4	1600	36.2
50x4	2600	46.8