

### 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.



Cables de Comunicaciones Zaragoza, SL

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Certified Company ISO 9001 - ISO 14001

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and

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- 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



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<b>ELECTRICAL CHARACTERISTICS (20°C)</b>
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¥	¥	J.	29	Ţ	1.2	4
Maximum resista	nce (Ω/km)	8	8	8	31.5	8
Minimum insulati	on resistance (MΩx	km, 20°C, 500V)	-	-	10	-
Mutual capacity (	nF/km, 800 Hz)	Š	Š		35 [-10	%, +5]
Dielectric strengt	h (Vdc, 2min) Cond	uctor - Conductor	19	197	2800	199
Dielectric strengt	h (Vdc, 2min) Cond	uctor - Screen	ď	Ď	5600	Ž
AS/DC operating	voltage (V)	J	T	T		J

## **MECHANICAL AND THERMAL PROPERTIES**

Maximum allowable radius

Operating temperature range

Installation temperature range



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# **DIMENSIONS AND WEIGHTS**

4	9 4	Cable	Quad EAP-CC-2S-P-R x 1.2	4	9 49
131	Number of conductors	. 19	Nominal Weight (kg/km)	Ì	Nominal OD (mm)
7×4	8	2800	8	<b>3</b> 9	9,8
12x4		3300		45	5,1
19x4		4200		50	),6



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