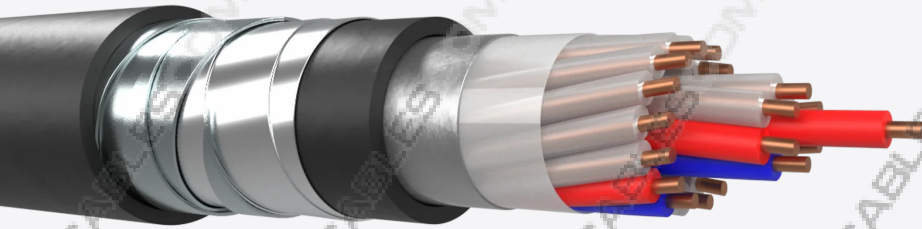


Cable Multiconductor EAPA2SP

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



Description and application

Cables from 2 to 91 copper conductors with diameter 1.0mm, 1.5mm or 2.5mm and polyethylene insulated, stranded in layers, with a special designed sheath to protect the cable for external inductive interferences. To be installed in ducts or direct buried. Generally according to MÁV technical specifications: P-12440_P3196_P-682_P6014

The recommended application is for railway signalling and control.

Construction

- Conductors: Annealed copper; Ø1.0mm, Ø1.5 mm or Ø2.5 mm nominal diameter.
- Insulation: Solid PE.
- Core: Conductors.
- Core wrapping: Plastic tape with overlap.
- Screen: Copolymer coated aluminium tape longitudinally applied with overlap and bonded to the inner sheath.
- Inner sheath: Black polyethylene sheath.
- Armoring: Aluminium tape + double 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. / BRQA n x Ø / year / Length markings / Production number / CE

ELECTRICAL CHARACTERISTICS (20°C)

	1.0	1.5	2.5
Maximum resistance (Ω/km)	23.39	10.03	3.9
Minimum insulation resistance (MΩxkm, 20°C, 500V)	10	10	10
Mutual capacity (nF/km, 800 Hz)			
Dielectric strength (Vdc, 2min) Conductor - Conductor	2000	2000	2000
Dielectric strength (Vdc, 2min) Conductor - Screen	3000	3000	3000
AS/DC operating voltage (V)			

MECHANICAL AND THERMAL PROPERTIES

Maximum allowable radius	
Operating temperature range	
Installation temperature range	

DIMENSIONS AND WEIGHTS

Cable Multiconductor EAPA2SP x 1.0

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
2x1	450	16.8
4x1	500	17.7
7x1	575	18.9
10x1	640	20.1
14x1	725	21.4
21x1	860	23.3
30x1	1040	25.8
37x1	1160	27.2
48x1	1340	29.2
61x1	1550	31.4
75x1	1750	33.4
91x1	2000	35.8

Cable Multiconductor EAPA2SP x 1.5

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
2x1	530	18.6
4x1	615	19.7
7x1	730	21.3
10x1	845	22.8
14x1	990	24.8
21x1	1220	27.3
30x1	1500	29.8
37x1	1700	31.8

48x1	2025	34.6
61x1	2400	37.2
75x1	2750	39.6
91x1	3150	42.2
30x1	2900	40.0

Cable Multiconductor EAPA2SP x 2.5

Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
30x1	2900	40.0
48x1	4000	46.5