

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
- ア 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.
- Armouring: 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



Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza - Spain +34 976 729 900 |

www.cablescom.com | comercial@cablescom.com

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

 TITLE
 EDITION
 APPROVED BY
 DATE

 Cable Multiconductor EAPA2SP
 5
 O.salomon
 2021-10-14



ELECTRICAL	CHARACTERISTICS	(20°C)
------------	------------------------	--------

4	¥	¥	29	1.0	1.5	2.5
Maximum resista	ance (Ω/km)	Š	Š	23.39	10.03	3.9
Minimum insulat	ion resistance (MΩxk	rm, 20°C, 500V)	-	10	10	10
Mutual capacity	(nF/km, 800 Hz)	Š	Š	5		8
Dielectric streng	th (Vdc, 2min) Condu	uctor - Conductor	197	2000	2000	2000
Dielectric streng	th (Vdc, 2min) Condu	uctor - Screen	ð	3000	3000	3000
AS/DC operating	voltage (V)	S	S	S	F	

MECHANICAL AND THERMAL PROPERTIES

Maximum allowable radius

Operating temperature range

Installation temperature range



Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza - Spain +34 976 729 900 |

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 must not be considered contractual.

TITLE	EDITION	APPROVED BY	DATE
Cable Multiconductor EAPA2SP	5	O.salomon	2021-10-14



	DIMENSIONS AND WEIGHTS	
Number of conductors	Cable Multiconductor EAPA2SP x 1.0 Nominal Weight (kg/km)	Nominal OD (mm)
2x1	450	16.8
4x1	500	17.7
7x1	575	18.9
10×19	640	201
14×1	725	21.4
Q1x1 O	C860 C	23.3 Q
30x1	1040	25.8
37x1	1160	27.2
48x1	1340	29.2
61×1	1550	31.4
75x1	1750	33.4
91x1	2000	35.8
Number of conductors	Cable Multiconductor EAPA2SP x 1.5 Nominal Weight (kg/km)	Nominal OD (mm)
2x1 \iint	530	18.6
4x1	615	19.7
9 _{x1}	930	21.3
10x1	845	22.8
14x1	990	24.8
21x1	1220	27.3
30x1	1500	29.8
37x1	1700	31.8



Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza - Spain +34 976 729 900 |

www.cablescom.com | comercial@cablescom.com

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 must not be considered contractual.

TITLE	EDITION	APPROVED BY	DATE
Cable Multiconductor EAPA2SP	5	O.salomon	2021-10-14



48x1		2025		34.6	
61x1	<i>B</i>	2400	Ş	37.2	6
75×1	ž	2750	J.	39.6	3
91x1	8	3150	8	42.2	3
30x1		2900		40.0	

Cable	Multiconductor	EAPA2SP x 2.5
-------	----------------	---------------

Number of conductors		Nominal Weight (kg/km)		Nominal OD (mm)	
30x1	69	2900	19	40.0	9
48×1	A	4000	is/	46.5	à



Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza - Spain +34 976 729 900 |

www.cablescom.com | comercial@cablescom.com

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 must not be considered contractual.

TITLE	EDITION	APPROVED BY	DATE
Cable Multiconductor EAPA2SP	5	O.salomon	2021-10-14