

# Cable Multiconductor FC-PE-2S-PE Rk0,3

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



### **Description and application**

Cables from 2 to 48 conductors. Copper conductor of 1,4mm section insulated with PE. Conductors are stranded in layers to form the core, core that is protected with a non-inductive reduction factor 0,3 CCPSSP type sheath.

They are used as signaling cables, especially in railway applications where protection against HV lines inductions is required. Recommended for installation in ducts or buried. Cable protected against rodents.

#### Construction

- Conductors: Annealed copper. Section: 1,4 mm.
- Insulating: Solid polyethylene.
- Cabling element: Conductors
- Core Construction: Conductors are stranded in layers. See coloured code table.
- Core wrapping: Dielectric tape longitudinally applied with overlap.
- Screen: Corrugated copper tape longitudinally applied with overlap.
- Inner sheath: Polyethylene.
- Armour: Two helically applied steel tapes.
- Outer sheath: UV resistant black polyethylene.
- Marking: CABLESCOM / Year / Lenght (Other type of marking available under request)



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

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4	4	4	4	4	1.4
-Y					<b>3</b>
Maximum resista	ance (Ω/km)		\sqrt{\sq}\}}\sqrt{\sq}}}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}		11.9
Minimum insulat	ion resistance (M $\Omega$ )	km, 20°C, 500V)			15000
Mutual capacity	(nF/km, 800 Hz)	Š	Š	Š	Š
Dielectric streng	th (Vdc, 2min) Cond	luctor - Conductor	49	g	3000
Dielectric streng	th (Vdc, 2min) Cond	luctor - Screen	P.	#	3500
AS/DC operating	voltage (V)	8	S	8	S

# **MECHANICAL AND THERMAL PROPERTIES**

Maximum allowable radius	G.	49	15 x Ø cable	G.
Operating temperature range	ğ	Ĭ	-25° C / +75° C	ğ
Installation temperature range	O.	O,	Q,	C)



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# **DIMENSIONS AND WEIGHTS**

Cable Multiconductor	FC-PE-25-PE Rk0.3 x 1.4
Cable Multicolluctor	I C-F L-232F L RRU,3 X 1.4

Cable Multiconductor FC-PE-25-PE RK0,5 X 1.4						
Number of conductors		Nominal Weight (kg/km)		Nomi	Nominal OD (mm)	
2x1	8	566	8	N 17	T	
4x1		580		17		
7x1		684		18,2		
9x1	9	733	9	20,2	B	
12×1	Ì	796	Ì	22	Ĭ	
19x1	Ö	971	O <sub>X</sub>	23,9	Q	
27x1	2	1220	2	26,6	2	
37x1	.8	1468	.8	28,7	.8	
48x1	4	1780	4	32	4	
RIF	RM	RI	RI	RI	Pol	



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