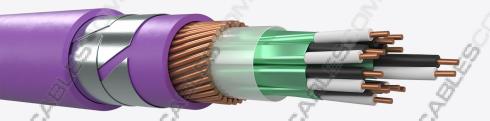


#### Cable Pair CCPSSP Rk0,1

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



### **Description and application**

Cables of 1 to 20 pairs individually shielded with an aluminium/polyester laminate. Conductors of 0.9 and 1.4 mm nominal diameter, PE insulation. Pairs are stranded in layers to form the core that is protected with an anti-inductive polyethylene sheath with a reduction factor of 0.1. Cable protected against rodents.

They are used as signalling cables in railways infrastructures where protection against power lines induction is required. For installation in ducts or directly buried.

#### Construction

- Conductors: Annealed copper, 0.9 and 1.4 mm of nominal diameter.
- Insulation: Solid polyethylene.
- Cabling elements: Shielded pairs with an aluminium/polyester tape. Continuity tinned wire under the tape.
- Core formation: Stranded in layers.
- Core wrapping: Dielectric tape longitudinally applied with overlap.
- Cable screen: Copper wires helicoidally applied.
- Inner sheath: Polyethylene.
- Armour: Two steel tapes helically applied.
- Outer sheath: UV resistant black polyethylene.
- Sheath marking: The outer sheath shall be marked in white ink, at regular intervals, with the following information:
  - Name of manufacturer/ Year/ Length marks



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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 2
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Other type of marks according to the costumer



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# **ELECTRICAL CHARACTERISTICS (20°C)**

- J - J - J	0.9	1.4
Maximum resistance (Ω/km)	2.0	2.0
Minimum insulation resistance (MΩxkm, 20°C, 500V)	> 35000	> 35000
Mutual capacity (nF/km, 800 Hz)	Medio: 59 ± 3* Maximo: 65	Medio: 59 ± 3* Maximo: 65
Dielectric strength (Vdc, 2min) Conductor - Conductor	> 4500	> 4500
Dielectric strength (Vdc, 2min) Conductor - Screen	> 1500	> 1500
AS/DC operating voltage (V)	8	T

## **MECHANICAL AND THERMAL PROPERTIES**

Maximum allowable radius	G.	19	15 x Ø cable	4
Operating temperature range	ğ	ğ	-25°C a 75°C	ğ
Installation temperature range	Q.	O,	O,	C)



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	DIMENSIONS AND WEIGHTS	
Number of conductors	Cable Pair CCPSSP Rk0,1 x 0.9  Nominal Weight (kg/km)	Nominal OD (mm)
3x2	1120	25.3
5x2	1250	26.0
6x2_97	13509	27.3
8×2	1500	29.8
C10x2	<b>1</b> 625	32.0
Number of conductors	Cable Pair CCPSSP Rk0,1 x 4x4 Nominal Weight (kg/km)	Nominal OD (mm)
14x2	1750	35.7
-9-9	Cable Pair CCPSSP Rk0,1 x 1.4	9 9
Number of conductors	Nominal Weight (kg/km)	Nominal OD (mm)
1x2	1000	<b>8</b> 22.5
2x2	1400	27.9
3x2	1530	29.9
4x2	1600	30.8
5x2	1700	31.0
6x2	1950	34.8
8x2	2150	37.0
10x2	2350	38.5
12x2	2500	41.0
14x2	2650	43.1
16x2	3000	45.8



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