

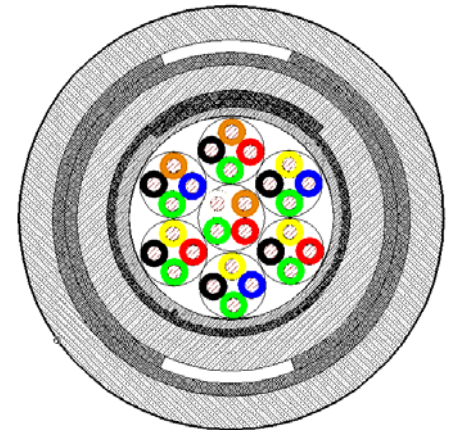


## CCPSSP-FR0.3 n x 4 x 1.4 mm

**PE-insulated signalling cable, with protection against inductive interference and armouring, reduction factor  $r_k = 0.3$  (50 Hz)**

**According to specification Spain adif E.T. 03.365.051.6, 03/2005**

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to technical progress



**Principle drawing**  
CCPSSP-FR0.3 7x4x1.4 mm  
(2B0.8)  
AJ-2Y(ST)2YB2Y

### Application

Signalling cable, star quad twisted, are used as railway cables and can be installed directly into the ground or in ducts.

### Colour Coding, Marking

Cores: according to customer specification  
Sheath: according to customer specification

### Construction

<b>CCPSSP-FR0.3</b>	
Conductor	copper, solid, 1.4 mm, soft annealed
Insulation	PE (2Y)
Twisting	star quads twisted in concentric layers
Cable core wrapping	of two or more layers of plastic tape with overlap
Screen	of copper tapes with overlap (protection against interference)
Inner sheath	PE (2Y), black
Armouring	two layers steel tape 0.8 mm (2B0.8)
Outer sheath	PE (2Y), black



## CCPSSP-FR0.3 n x 4 x 1.4 mm

### Mechanical and Thermal Properties

Admissible bending radius		≥ 10 x outer cable diameter
Temperature range	during operation	- 40°C to + 60°C
	during installation	- 10°C to + 60°C

### Electrical Properties

at 20°C ± 5°C

Conductor diameter	mm	1.4
Conductor resistance, mean value	Ω/km	≤ 11.7
Insulation resistance	GΩxkm	≥ 35
Mutual capacitance at 800 Hz (mean value)	nF/km	≤ 45
Capacitance unbalance at 1000 Hz		
k1 max individual value	pF/460 m	≤ 250
k9-12 max individual value	pF/460 m	≤ 250
ea1/2 max individual value	pF/460 m	≤ 1200
Test voltage at 50 Hz, 1 min		
core/core	V <sub>eff</sub>	2100
core/screen	V <sub>eff</sub>	2500
Reduction factor (f = Hz and 110 – 320 V/km)		≤ 0.3

### Additional Properties

Dimension	Outer diameter	Cable weight net	Standard supply length	Drum size flange diameter	Transport weight gross	Copper content	SAP	
	mm	kg/km	m	mm	kg/drum	kg/km		
<b>CCPSSP-FR0.3 n x 4 x 1.4 mm</b>								
1 x	19.0	740	1000	1400	930	114	1007493	
3 x	27.0	1260	1000	1600	1550	275	1007494	
5 x	31.0	1617	1000	1800	2010	398	1007495	
7 x	34.0	1850	1000	2000	2380	522	1007498	
10 x	39.0	2329	1000	2200	3034	730	1007496	
14 x	43.0	2812	1000	2400	3730	989	1007497	
19 x	47.0	3469	1000	2400	4390	1326	1012493	
27 x	54.0	4460	500	2200	2940	1866	1012510	