

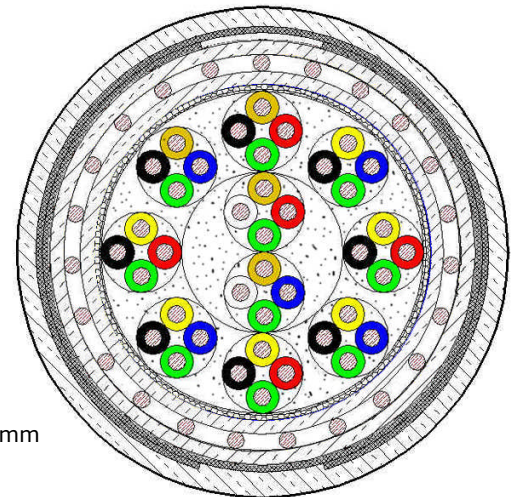
CCPSSP-R-FR0.1

n x 4 x 0.9 mm

PE-insulated signalling cable, with protection against inductive interference and armouring, reduction factor $r_k = 0.1$ (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-R-FR0.1 10x4x0.9 mm
 (2B0.8)
 AJ-2YF2YD2YB2Y

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

CCPSSP-R-FR0.1	AJ-2YF2YD2YB2Y
Conductor	copper, solid, 0.9 mm, soft annealed
Insulation	PE (2Y)
Twisting	star quads twisted in concentric layers
Filling	cable interstices filled with filling compound, drop point > 85 °C
Cable core wrapping	at least one layer of water swellable material with overlap
1 st inner sheath	PE (2Y) sheath, black
Screen	of copper wires 1.4 or 1,8 mm (protection against interference), wrapping with one plastic tape with overlap
2 nd inner sheath	PE (2Y), black
Armouring	two layers steel tape 0.8 mm (2B0.8)
Outer sheath	PE (2Y), black

CCPSSP-R-FR0.1

n x 4 x 0.9 mm

Mechanical and Thermal Properties

Admissible bending radius		≥ 10 x outer cable diameter
Temperature range	during operation	- 30°C to + 70°C
	during installation	- 5°C to + 50°C

Electrical Properties

at 20°C ± 5°C

Conductor diameter	mm	0.9
Conductor resistance, mean value	Ω/km	≤ 28.5
Insulation resistance	GΩxkm	≥ 25
Mutual capacitance at 800 Hz	nF/km	≤ 41
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
Attenuation at		
1 kHz	dB/km	0.7
10 kHz	dB/km	1.6
30 kHz	dB/km	2.1
Test voltage at 50 Hz, 1 min		
core/core	V _{eff} /core	2100
core/screen	V _{eff}	2500
core/armouring	V _{eff}	2000

Additional Properties

Dimension	Outer diameter	Cable weight net	Standard supply length	Drum size flange diameter	Transport weight gross, unlagged	Copper content	SAP
	mm	kg/km	m	mm	kg/drum	kg/km	
CCPSSP-R-FR0.1 n x 4 x 0.9 mm (2B0.8)							
1 x	24.0	1300	1000	1600	1590	426	1007499
3 x	28.0	1650	1000	1600	1960	585	1007500
5 x	32.0	2000	1000	1800	2390	682	
7 x	34.0	2150	1000	2000	2680	748	1012478
10 x	39.0	2640	1000	2200	3355	886	1018204
14 x	41.0	2990	1000	2400	3910	1019	1007501
19 x	47.0	3570	1000	2400	4490	1197	1007502
25 x	52.0	4190	500	2200	2800	1426	1018721
CCPSSP-R-FR0.1 n x 4 x 1.4 mm (2B0.8)							
1 x	26.0	1480	1000	1600	1800	508	
3 x	33.0	2100	1000	2000	2670	755	
14 x	52.0	4360	500	2200	2940	1651	

CCPSSP-R-FR0.1
n x 4 x 0.9 mm

[PRODUCT CODE TABLE]

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