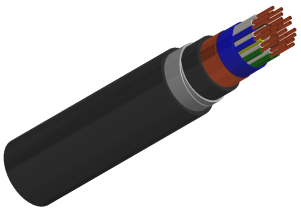
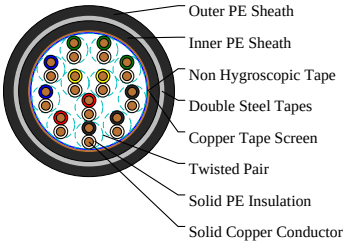
Caledonian
Railway Cables
www.caledonian-cables.com marketing@caledonian-cables.com

CCPSSP-FR0.3 nx2x0.9

RS/CCPSSP-FR0.3-2Y(K)2YB2Y-12P0.9





APPLICATIONS

The cables are used as railway cables and can be installed directly into the ground or in ducts.

STANDARDS

RENFE E.T. 03.365.051.6

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

Conductors: Soft annealed solid copper
Insulation: PE Insulation.
Cabling Element: Two insulated conductors are twisted together to form a pair.
Stranding: Pairs are helically stranded in concentric layers.
Core Wrapping: Two or more layers of plastic tape(s) with overlapping.
Screen: Copper tapes with overlap (protection against interference).
Inner Sheath: PE sheath.
Armour: Two layers steel tape (0.8mm thick).
Outer Sheath: PE sheath.

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 10xOD
Temperature Range: -40℃ to +60℃ (during operation); -10℃ to +60℃ (during installation)

Electrical Properties

Electrical Characteristics at 20°C:
Nominal Conductor Diameter:0.9 mm
Maximum Conductor Resistance:28.5 Ω/km
Minimum Insulation Resistance @500 V DC:15000 MΩ.km
Mutual Capacitance @1KHz (AC): 58 nF/km
Capacitance Unbalance@1KHz:
Pair to pairl260 pF/km

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Pair to earth:2650 pF/km
Test Voltage @50Hz 1min:
Core to core:2100 Veff
Core to screen:2500 Veff
Reduction Factor (f=50Hz): 0.3

DIMENSION AND PARAMETERS

No. of Pairs	Conductor Diameter	Nominal Diameter over Insulation	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Nom. Overall Diameter	Approx. Weight
	mm	mm	mm	mm	mm	kg/km
12	0.9	1.8	1.5	1.6	24.5	1067

Anti Induction


Buried in Ground


Laid In Ducts


Rated voltage


UV Resistant


Water Resistant

Zero Halogen
IEC 60754-1/EN 50267-2-1
NF C20-454