CCTSST-FR0.3 n×1×1.4

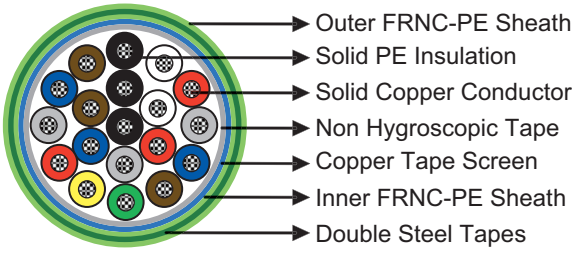
Applications

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

Construction



- Conductors: Soft annealed solid copper, 1.4 mm nominal diameter.
- Insulation: PE insulation.
- Stranding: Cores 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: FRNC-PE sheath, coloured green.
- Armour: Two layers of steel tape (0.8mm thick).
- Outer Sheath: FRNC-PE sheath, coloured green.

*FRNC: Flame retardant, non corrosive.

Electrical Characteristics at 20℃

Nominal Conductor Diameter	mm	1.4
Maximum Conductor Resistance	Ω/km	11.7
Minimum Insulation Resistance @500 V DC	MΩ.km	35000
Resistance Unbalance	%	2
Test Voltage @50Hz 1min		
Core to Core	V_{eff}	2100
Core to Screen	V_{eff}	2500
Reduction Factor @100V/km 50Hz		0.3

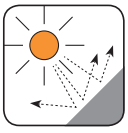
Mechanical and Thermal Properties

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

Dimensions and Weight

Cable Code	Number of Cores	Nominal Sheath Thickness mm		Maximum Overall Diameter mm	Nominal Weight kg/km
		Inner	Outer		
1.4mm Conductor, 2.6mm Insulated Wire					
RS/CCTSST-FR0.3-2Y(K)HBH-4C1.4	4	1.5	1.6	18.0	705
RS/CCTSST-FR0.3-2Y(K)HBH-19C1.4	19	1.6	1.8	26.1	1362
RS/CCTSST-FR0.3-2Y(K)HBH-27C1.4	27	1.6	1.8	29.2	1648
RS/CCTSST-FR0.3-2Y(K)HBH-48C1.4	48	1.7	1.8	36.7	2348

Anti Induction


UV Resistant


Water Resistant

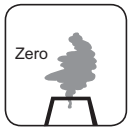
Rated Voltage


Buried in Ciround


Laid In Ducts


Flame Retardant
NF C32-070-2.1(C2)
IEC 60332-1/EN 50265-2-1


Fire Retardant
NF C32-070-2.2(C1)
IEC 60332-3/EN50266



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


Low Smoke Emission
IEC 61034/NFC20-902
EN 50268/NF C32-073


Low Corrosivity
EN 50267-2-2/NF C32-074
IEC 60754-2/NF C20-453


Low Toxicity