



## 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.

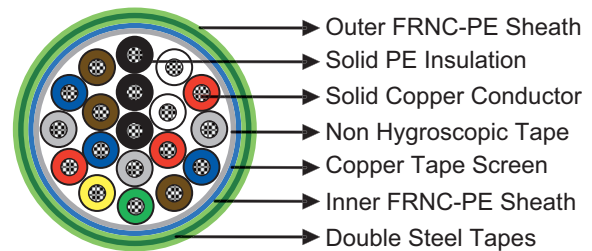
### Standards

- 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°C

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 <sub>eff</sub>	2100
Core to Screen	V <sub>eff</sub>	2500
Reduction Factor @100V/km 50Hz		0.3

### Mechanical and Thermal Properties

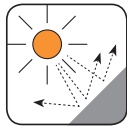
- Minimum Bending Radius: 10×OD
- Temperature Range: -40°C to +60°C (during operation); -10°C +60°C (during installation)

➤ **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 Ground



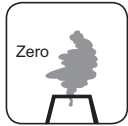
Laid In Ducts



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

