

CCTSST-FR0.3 n×4×1.4

Applications

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

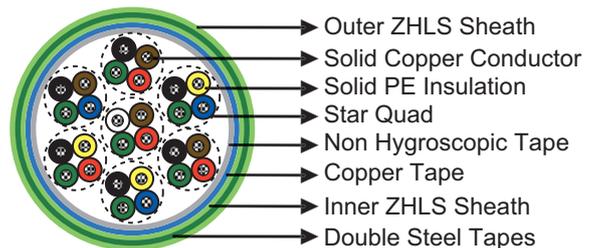


Standards

- RENFE E.T. 03.365.051.6

Construction

- Conductors: Soft annealed solid copper, 1.4 mm nominal diameter.
- Insulation: PE insulation.
- Cabling Element: Four insulated conductors are twisted together to form a quad.
- Stranding: Quads 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: LSZH sheath, coloured green.
- Armour: Two layers steel tape (0.8mm thick).
- Outer Sheath: LSZH sheath, coloured green.



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
Mutual Capacitance @800Hz	nF/km	45
Capacitance Unbalance @800Hz		
K ₁ maximum individual value	pF/460m	250
K ₉₋₁₂ maximum individual value	pF/460m	250
ea _{1/2} maximum individual value	pF/460m	1200
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°C to +60°C (during operation); -10°C to +60°C (during installation)

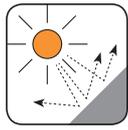


↳ Dimensions and Weight

Cable Code	Number of Quads	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-1Q1.4	1	1.5	1.6	19.0	880
RS/CCTSST-FR0.3-2Y(K)HBH-3Q1.4	3	1.5	1.6	27.1	1440
RS/CCTSST-FR0.3-2Y(K)HBH-5Q1.4	5	1.5	1.6	31.0	1826
RS/CCTSST-FR0.3-2Y(K)HBH-7Q1.4	7	1.5	1.6	33.1	2090
RS/CCTSST-FR0.3-2Y(K)HBH-10Q1.4	10	1.7	1.8	38.4	2640
RS/CCTSST-FR0.3-2Y(K)HBH-14Q1.4	14	1.7	1.8	42.2	3168
RS/CCTSST-FR0.3-2Y(K)HBH-19Q1.4	19	1.8	2.0	47.2	3861



Anti Induction



UV Resistant



Water Resistant



Rated Voltage



Buried in Ground



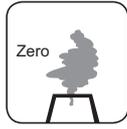
Laid In Ducts



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

