CCTSST-FR0.3 n×4×1.4

Applications

Cal

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

Railway

Standards

RENFE E.T. 03.365.051.6

Solution

• 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.

Sectorical 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)

- Outer ZHLS Sheath Solid Copper Conductor Solid PE Insulation Star Quad ► Non Hygroscopic Tape Copper Tape
 - Inner ZHLS Sheath
 - Double Steel Tapes



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Dimensions and Weight

Cable Code	Number of Quads	Nominal Sheath Thickness mm		Maximum Overall Diameter	Nominal Weight kg/km		
		Inner	Outer	mm	ку/кш		
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		





Water Resistant **UV** Resistant



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



Zerc

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







Zero Halogen Low Smoke Emission Low Corrosivity EN 50267-2-2/NF C32-074 IEC 60754-2/NF C20-453 IEC 61034/NFC20-902 EN 50268/NF C32-073





Buried in Ciround

Laid In Ducts





Low Toxicity

