



Product: RTC2C0.5P ☑

RailTuff™ Thin wall cable EN 50306-4 1P 300V 2 C 0.5 mm² Str TC, XLPO Ins, XLPO Outer Jkt

Product Description

RailTuff™ Thin wall cable EN 50306-4 1P 300V 2 Cores 0.5 mm² Stranded Tinned Copper, XLPO Insulation, XLPO Outer Jacket

Technical Specifications

Product Overview

Suitable Applications: Applicable for fixed or moderate flexing wiring inside Railway Rolling Stock like High-Speed Trains (CRH, Shinkansen, ICE, TGV), Metro, locomotives, and trolley buses, etc

Construction Details

Conductor

Size	Stranding	Material
0.5 mm ²	19x0.18 mm	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code	Notes
XLP, XLPO, XLPE	1.42 mm (0.0559 in)	White#1, White#2	D.C. stability on insulation at 300Vdc in 3% NaCl solution at (85 \pm 2)°C for 240h : No breakdown

Outer Jacket

Material	Nom. Thickness
XLP, XLPO, XLF	PE 0.42 mm (0.017 ii
Overall Cable D	ameter (Nominal):

Electrical Characteristics

Electricals

Max. Conductor DCR 40.1 Ohm/km (12.2 Ohm/1000ft)

Voltage

Breakdown Voltage
2 kVac/5min

Mechanical Characteristics

Temperature



Bend Radius

Stationary Min.	Installation Min.
16 mm (0.63 in)	12 mm (0.47 in)

Bulk Cable Weight: 24 kg/km (16 lbs/1000ft)

Standards and Compliance

Flammability / Reaction to Fire: IEC 60332-1-2, EN 50305

ISO/IEC Compliance:	IEC 60228
CENELEC Compliance:	EN 50306-4, EN 45545-2
European Halogen Free Standards:	IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 10 μS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
Other Standard Compliance(s):	TJ/CL 313

Product Notes

Notes:	Table 1 Category MM, ROHS Compliant

History

He data and Davisians	Profession Number 0.05 Profession Patrs 07.40.0004
Update and Revision:	Revision Number: 0.35 Revision Date: 07-12-2024

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