



Product: [RTA1C1.5](#)

RailTuff™ Thin wall cable 300V 1 C 1.5 mm² Str TC, XLPO Ins

Product Description

RailTuff™ Thin wall cable 300V 1 Core 1.5 mm² Stranded Tinned Copper, XLPO Insulation

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
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Construction Details

Conductor

Size	Stranding	Material
1.5 mm ²	37x0.23 mm	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE	0.35 mm (0.014 in)	2.25 mm (0.0886 in)	White#1

Table Notes:	D.C. stability at 300Vdc in 3% NaCl solution at (85±2)°C for 240h : No breakdown
Overall Cable Diameter (Nominal):	1.77 ± 0.05 mm

Electrical Characteristics

Voltage

Breakdown Voltage
2.5kVac/5min

Mechanical Characteristics

Temperature

Operating
-40°C to +120°C

Bend Radius

Stationary Min.	Installation Min.
7 mm (0.28 in)	5 mm (0.20 in)

Bulk Cable Weight:	16.9 kg/km (11.4 lbs/1000ft)
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Standards and Compliance

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

History

Update and Revision:	Revision Number: 0.26 Revision Date: 11-27-2023
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