



Product: [RTB1C1.5](#)

RailTuff™ Thin wall cable 300V 1 C 1.5 mm² TC, XLPO Ins, TCBS, XLPO Outer Jkt

Product Description

RailTuff™ Thin wall cable 300V 1 Core 1.5 mm² Tinned Copper, XLPO Insulation, Tinned Copper Braid Shield, 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
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Construction Details

Conductor

Size	Material
1.5 mm²	TC - Tinned Copper

Insulation

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

Outer Shield

Shield Type	Material
Braid	Tinned Copper (TC)

Outer Jacket

Material	Nom. Diameter
XLP, XLPO, XLPE	3.50 mm (0.138 in)

Overall Cable Diameter (Nominal):	3.5 ± 0.15 mm
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Mechanical Characteristics

Temperature

Operating
-40°C to +90°C

Bend Radius

Stationary Min.	Installation Min.
35 mm (1.4 in)	35 mm (1.4 in)

Bulk Cable Weight:	29.6 kg/km (19.9 lbs/1000ft)
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Non-Halogenated
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-2-25, 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

Product Notes

Notes:	EMEA PN: RTB1C150;
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History

Update and Revision:	Revision Number: 0.31 Revision Date: 11-27-2023
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