



Product: [RTB3C2.5](#)

RailTuff™ Thin wall cable 300V 3 C 2.5 mm² TC, XLPO Ins, TCBS, XLPO Outer Jkt

Product Description

RailTuff™ Thin wall cable 300V 3 Cores 2.5 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
2.5 mm²	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE	2.75 mm (0.108 in)	White#1, White#2, White#3

Outer Shield

Shield Type	Material
Braid	Tinned Copper (TC)

Outer Jacket

Material	Nom. Diameter
XLP, XLPO, XLPE	7.30 mm (0.287 in)

Overall Cable Diameter (Nominal):	7.3 ± 0.25 mm
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Mechanical Characteristics

Temperature

Operating
-40°C to +90°C

Bend Radius

Stationary Min.	Installation Min.
73 mm (2.9 in)	73 mm (2.9 in)

Bulk Cable Weight:	113 kg/km (75.9 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
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 70%
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: RTB3C250;
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History

Update and Revision:	Revision Number: 0.38 Revision Date: 07-05-2024
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