



Product: [RTB8C1](#)

RailTuff™ Thin wall cable 300V 8 C 1.0 mm² TC, XLPO Ins, TCBS, XLPO Outer Jkt

Product Description

RailTuff™ Thin wall cable 300V 8 Cores 1.0 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 mm²	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE	1.77 mm (0.0697 in)	White#1, White#2, White#3, White#4, White#5, White#6, White#7, White#8

Outer Shield

Shield Type	Material
Braid	Tinned Copper (TC)

Outer Jacket

Material	Nom. Diameter
XLP, XLPO, XLPE	7.80 mm (0.307 in)

Overall Cable Diameter (Nominal):	7.8 ± 0.25 mm
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Mechanical Characteristics

Temperature

Operating
-40°C to +90°C

Bend Radius

Stationary Min.	Installation Min.
78 mm (3.1 in)	78 mm (3.1 in)

Bulk Cable Weight:	129.2 kg/km (86.82 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: RTB8C100;
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History

Update and Revision:	Revision Number: 0.38 Revision Date: 07-15-2024
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