



**Product:** [RTB8C1](#)

RailTuff™ Thin wall cable 300V 8 C 1.0 mm<sup>2</sup> TC, XLPO Ins, TCBS, XLPO Outer Jkt

### Product Description

RailTuff™ Thin wall cable 300V 8 Cores 1.0 mm<sup>2</sup> 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 mm <sup>2</sup>	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
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: 0.28 Revision Date: 04-05-2023
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