



Product: [RTB1C1](#)

RailTuff™ Thin wall cable 300V 1 C 1.0 mm² TC, XLPO Ins, TCBS, XLPO Outer Jkt

Product Description

RailTuff™ Thin wall cable 300V 1 Core 1.0 mm² Tinned Copper, XLPO Insulation, Tinned Copper Braid Shield, XLPO Outer Jacket

Technical Specifications

Product Overview

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|------------------------|---|
| 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 |
|------------------------|---|

Construction Details

Conductor

| Size | Material |
|-------------------|--------------------|
| 1 mm ² | TC - Tinned Copper |

Insulation

| Material | Nom. Insulation Diameter | Color Code |
|-----------------|--------------------------|------------|
| XLP, XLPO, XLPE | 1.77 mm (0.0697 in) | White#1 |

Outer Shield

| Shield Type | Material |
|-------------|--------------------|
| Braid | Tinned Copper (TC) |

Outer Jacket

| Material | Nom. Diameter |
|-----------------|--------------------|
| XLP, XLPO, XLPE | 3.00 mm (0.118 in) |

| | |
|-----------------------------------|-------------|
| Overall Cable Diameter (Nominal): | 3 ± 0.15 mm |
|-----------------------------------|-------------|

Mechanical Characteristics

Temperature

| Operating |
|----------------|
| -40°C to +90°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 30 mm (1.2 in) | 30 mm (1.2 in) |

| | |
|--------------------|------------------------------|
| Bulk Cable Weight: | 20.7 kg/km (13.9 lbs/1000ft) |
|--------------------|------------------------------|

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

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| Notes: | EMEA PN: RTB1C100; |
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History

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| Update and Revision: | Revision Number: 0.28 Revision Date: 04-05-2023 |
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