



Product: [RMF1C2.5](#)

RailTuff™ Medium wall cable 600V 1 C 2.5 mm² Str TC, XLPO Ins



Product Description

RailTuff™ Medium wall cable 600V 1 Core 2.5 mm² Stranded Tinned Copper, XLPO Insulation

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	Stranding	Stranding Class	Material
2.5 mm ²	45x0.25 mm	Class 5	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE	0.70 mm (0.028 in)	3.65 mm (0.144 in)	Black#1

Table Notes: D.C. stability at 1.5kVdc in 3% NaCl solution at (85±2)°C for 240h : No breakdown

Overall Cable Diameter (Nominal): 3.65 ± 0.15 mm

Electrical Characteristics

Voltage

Breakdown Voltage
3.5kVac/5min

Mechanical Characteristics

Temperature

Operating
-40°C to +90°C

Bend Radius

Stationary Min.	Installation Min.
15 mm (0.59 in)	11 mm (0.43 in)

Bulk Cable Weight: 31.6 kg/km (21.2 lbs/1000ft)

Standards and Compliance

Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-2-25
CENELEC Compliance:	EN 50264-3-1EN 45545-2
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
Other Standard Compliance(s):	TJ/CL 313

Product Notes

Notes:	EMEA PN: RMF1C25;
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History

Update and Revision:	Revision Number: 0.27 Revision Date: 11-27-2023
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