



Product: [RMF1C120](#)

RailTuff™ Medium wall cable 600V 1 C 120 mm<sup>2</sup> Str TC, XLPO Ins

### Product Description

RailTuff™ Medium wall cable 600V 1 Core 120 mm<sup>2</sup> 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
120 mm <sup>2</sup>	551x0.50 mm	Class 5	TC - Tinned Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE	1.20 mm (0.0472 in)	17.70 mm (0.6969 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):	17.7 ± 0.30 mm

#### Electrical Characteristics

##### Voltage

Breakdown Voltage
3.5kVac/5min

#### Mechanical Characteristics

##### Temperature

Operating
-40°C to +90°C

##### Bend Radius

Stationary Min.	Installation Min.
89 mm (3.5 in)	71 mm (2.8 in)

Bulk Cable Weight:	1083 kg/km (727.7 lbs/1000ft)
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#### Standards and Compliance

Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24
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: RMF1C120;
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## History

Update and Revision:	Revision Number: 0.40 Revision Date: 04-05-2023
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