



Product: [RMH1C4](#)

RailTuff™ Medium wall single core cable EN 50264-3-1 1800V MM 1 Core 4 mm² Str TC, XLPO Ins, XLPO Jacket

Product Description

RailTuff™ Medium wall single core cable EN 50264-3-1 1800V MM 1 Core 4 mm² Stranded Tinned Copper, XLPO Insulation, XLPO Sheathed Cable

Technical Specifications

Product Overview

Suitable Applications:	For use in electric appliances as well as internal wiring of control panels in rail vehicles as fixed wiring, or wiring where limited flexing in operation is encountered. Typical uses are lighting circuits powered by accumulators, equipment control and monitoring circuit, auxiliary and electric heating circuits.
------------------------	---

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Stranding Class	Material
Conductor(s)	1	4 mm ²	52x0.295 mm	Class 5	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE	1.3 mm (0.051 in)	5.2 mm (0.20 in)	White
	XLP, XLPO, XLPE			Black

Outer Jacket

Material	Nom. Thickness
XLP, XLPO, XLPE	0.8 mm (0.031 in)

Overall Cable Diameter (Nominal):	6.95 ± 0.25 mm
-----------------------------------	----------------

Electrical Characteristics

Table Notes:	Dielectric strength on core in water for 1 hour (kVac): 10, D.C. stability at 4.5kVdc in 3% NaCl solution at (85±2)°C for 240h : No breakdown
--------------	---

Voltage

Voltage Rating	Breakdown Voltage
1800/3000V	6.5kVac/5min

Mechanical Characteristics

Temperature

Operating
-40°C to +90°C

Bend Radius

Stationary Min.	Installation Min.
28 mm (1.1 in)	21 mm (0.83 in)

Bulk Cable Weight:	83.0 kg/km (55.8 lbs/1000ft)
--------------------	------------------------------

Standards and Compliance

Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-2-25
----------------------------------	-------------------------------

ISO/IEC Compliance:	IEC 60228
CENELEC Compliance:	EN 50264-3-1, EN 45545-2
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = HCl+HBr ≤ 0.5%, 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: RMH1C4;
--------	------------------

History

Update and Revision:	Revision Number: 0.30 Revision Date: 07-05-2024
----------------------	---

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.