



Product: [RMK3C10](#)



RailTuff™ Medium wall cable EN 50264-3-2 600V 3C10 MM

### Product Description

RailTuff™ Rolling stock medium wall power cable, RMK3C10mm2, EN 50264-3-2, 600V, Tinned Copper Conductor, XLPO Insulation, 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
------------------------	---

#### Construction Details

##### Conductor

Size	Stranding Class	Material
10 mm <sup>2</sup>	Class 5	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	XLPO - Crosslink Polyolefin	5.70 mm (0.224 in)	Black 1, Black 2, Black 3

##### Outer Jacket

Material	
XLPO - Crosslink Polyolefin	
Overall Cable Diameter (Nominal):	14.50 mm (0.5709 in)

#### Electrical Characteristics

##### Electricals

Max. Conductor DCR
1.95 Ohms @ 20 Deg C

##### Voltage

Voltage Rating	Breakdown Voltage
600/1000 V	3.5 kVac/5min.

#### Mechanical Characteristics

##### Temperature

Operating	
-40°C to +120°C	
Bulk Cable Weight:	391 kg/km (263 lbs/1000ft)

#### Standards and Compliance

Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24, EN 50266-2-4
ISO/IEC Compliance:	IEC 60228, IEC 61034-2 - Smoke Density Min Transmittance = 70%
CENELEC Compliance:	EN 45545-2
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = 0.5%, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 10 , IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3

European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	TJ/CL 313

## Product Notes

Notes:	EN 50264-3-2 Table 6 Category MMS; Toxicity test on both insulation and jacket as per EN 50305 Clause 9.2: 3; Toxicity test on both insulation and jacket as per EN 45545-2 Table 5-R15 and R16-HL3: 6
--------	--

## History

Update and Revision:	Revision Number: 0.14 Revision Date: 05-31-2024
----------------------	---

© 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.