

Product: 79002FS

SAFE-T-Line® Red 2 x 2.5 mm2 LPCB

Product Description

Safe-T-Line 2 x 2.5 mm2 Fire resistant LPCB approved Multi-conductor, BS 6387 CWZ, EN 50200 PH120, Shielded, Silicone Rubber insulation, Low Smoke Zero Halogen Jacket

Technical Specifications

Product Overview

Suitable Applications:	Circuit integrity, Intercom/PA Systems, Sound/Audio Systems, Control Systems, Fire Alarm Systems, Voice Evacuation Systems, Emergency & Safety Systems

Construction Details

Conductor

Size	Stranding	Material
2.5 mm²	Solid	BC - Bare Copper

Insulation

Material	Color Code	Notes
Silicone Rubber	Brown, Blue	BS7655 EI2

Outer Shield

Shield Type	Material	Coverage	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	Drainwire 0.8mm tinned copper

Table Notes:	Tape bonded to sheath

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	9.2 mm (0.36 in)

Table Notes:	COO printed on cable jacket
Overall Cable Diameter (Nominal):	9.2 mm (0.36 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
7.41 Ohm/km (2.26 Ohm/1000ft)	7.33 Ohm/km (2.23 Ohm/1000ft)	80 pF/m (24 pF/ft)	145 pF/m (44.2 pF/ft)

Voltage

Voltage Rating
300/500 V

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-40°C To +90°C	0°C To +70°C	-40°C To +90°C

Bend Radius

Installation Min.
55 mm (2.2 in)

Standards and Compliance

Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24, IEC 60332-3-25, IEC 60331-2, EN50200 PH30, PH60,PH120. EN50200 Annex E30, BS6387:2013 CWZ
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
CENELEC Compliance:	EN 60228
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = IEC 60754-1
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)

Product Notes

Notes:	BS6387 CWZ: C- Fire @ 950°C - 180min, W - Fire & water @ 650°C - 15 + 15 min.,Z - Fire & mechanical shocks @ 950°C -15 min. Country of Origin printed on the jacket

History

Update and Revision:	Revision Number: 0.117 Revision Date: 07-01-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
79002FS.00100	Red	Reel	100 m	8719605164025
79002FS.00500	Red	Reel	500 m	8719605164261
79002FS.01100	White	Reel	100 m	8719605207920
79002FS.01500	White	Reel	500 m	8719605164636

© 2025 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.