



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
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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
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Outer Jacket

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

Overall Cable Diameter (Nominal):	9.2 mm (0.36 in)
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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)

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
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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.
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History

Update and Revision:	Revision Number: 0.106 Revision Date: 02-15-2024
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Part Numbers

Variants

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

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