



Product: [79002FS](#)

SAFE-T-Line® Red 2 x 2.5 mm<sup>2</sup> LPCB

## Product Description

Safe-T-Line 2 x 2.5 mm<sup>2</sup> 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
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### Physical Characteristics (Overall)

#### Conductor

Stranding	Material	No. of Conductors
Solid	BC - Bare Copper	2

#### Insulation

Material
Silicone Rubber

#### Color Chart

Number	Color
Wire 1	Brown
Wire 2	Blue

#### Outer Shield Material

Material	Coverage [%]	Drainwire Material	Drainwire Diameter
Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	0.8 mm

Table Notes:	Tape bonded to sheath
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#### Outer Jacket Material

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	9.2 mm

### Construction and Dimensions

#### Cabling

Twists	
8.3 twist/m	
Overall Twisted Length:	120 mm

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
7.41 Ohm/km

#### Voltage

<b>Voltage Rating [V]</b>
300/500 V

## Temperature Range

Installation Temp Range:	0°C To +70°C
Operating Temp Range:	-40°C To +90°C

## Mechanical Characteristics

Min Bend Radius During Operation:	6"D
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## Standards

CENELEC Compliance:	BS EN 60228
Other Compliance:	LPCB Certificate 1460a, BS6387 CWZ, EN50200:2015 PH120, EN50200:2015 Annex E30

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes

## Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2, IEC 60332-3-24 and IEC 60332-3-25
IEC 60754-1 (EN50267-1)- Halogen Amount:	IEC 60754-1
IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance:	60%

## Part Number

### 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

## 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: 0.44 Revision Date: 12-18-2020
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