



**Part Number:** 79001FS

**SAFE-T-Line® Red 2 x 1.5 mm<sup>2</sup> LPCB**

## Product Description

Safe-T-Line 2 x 1.5 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 |
|------------------------|-------------------|

### Physical Characteristics (Overall)

#### Conductor

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

#### Insulation

| Material                     |
|------------------------------|
| Silicone Rubber (BS7655 EI2) |

#### Color Chart

| Number | Color |
|--------|-------|
| Wire 1 | Brown |
| Wire 2 | Blue  |

#### Outer Shield Material

| Material                                   | Coverage [%] | Drainwire Material | Drainwire Diameter |
|--|--------------|--------------------|--------------------|
| Aluminium co-polymer tape bonded to jacket | 100.0 %      | TC - Tinned Copper | 0.8 mm             |

#### Outer Jacket Material

| Material    | Nominal Diameter |
|-------------|------------------|
| LSZH / FRNC | 7.85 mm          |

### Construction and Dimensions

#### Cabling

| Twists      |
|-------------|
| 8.3 twist/m |

|                         |        |
|-------------------------|--------|
| Overall Twisted Length: | 120 mm |
|-------------------------|--------|

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 12.1 Ohm/km           |

#### Voltage

| Voltage Rating [V] |
|--------------------|
| 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 |
|-----------------------------------|-----|

## Standards

|                      |  |
|----------------------|--|
| Other Specification: | 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, LSOH, Toxicity Testing

|  |  |
|--|--|
| ISO/IEC Flammability:                              | IEC 60332-1-2, IEC 60332-3-24 and IEC 60332-3-25 |
| Amount of Halogen acc. to IEC 60754-1 & EN50267-1: | IEC 60754-1                                      |

## 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. |
|--------|--|

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.28 Revision Date: 05-02-2019 |
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