



**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, Intercom/PA Systems, Sound/Audio Systems, Control Systems |
|------------------------|--|

### Construction Details

#### Conductor

| Size                | Stranding | Material         |
|---------------------|-----------|------------------|
| 2.5 mm <sup>2</sup> | Solid     | BC - Bare Copper |

#### Insulation

| Material        | Color Code  | Notes      |
|-----------------|-------------|------------|
| Silicone Rubber | Brown, Blue | BS7655 E12 |

#### 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) |

|                                   |                  |
|-----------------------------------|------------------|
| 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)                           |

### 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 and IEC 60332-3-25, EN50200 PH30, PH60,PH120. EN50200 Annex E30, BS6387:2013 CWZ |
|----------------------------------|--|

|                                  |  |
|----------------------------------|--|
| ISO/IEC Compliance:              | IEC 61034-2 - Smoke Density Min Transmittance = 60%                            |
| CENELEC Compliance:              | BS 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)  |
| Other Standard Compliance(s):    | LPCB Certificate 1460a, BS6387 CWZ, EN50200:2015 PH120, EN50200:2015 Annex E30 |

## 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: 0.80 Revision Date: 05-06-2022 |
|----------------------|---|

## Part Numbers

### Variants

| Item #        | Color | Putup Type | Length | EAN           |
|---------------|-------|------------|--------|---------------|
| 79002FS.00100 | Red   | Reel       | 100 m  | 8719605164025 |
| 79002FS.00400 | Red   | Reel       | 400 m  |               |
| 79002FS.00500 | Red   | Reel       | 500 m  | 8719605164261 |
| 79002FS.01500 | White | Reel       | 500 m  | 8719605164636 |

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