



Product: [79001FS](#)

SAFE-T-Line® Red 2 x 1.5 mm2 LPCB

Product Description

Safe-T-Line 2 x 1.5 mm2 Fire resistant LPCB approved Multi-conductor, BS 6387 CWZ, EN 50200 PH120, EN60331-2 , 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         |
|---------|-----------|------------------|
| 1.5 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) | 7.85 mm (0.309 in) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 7.85 mm (0.309 in) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR            | Max. Conductor DCR            | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------------------|
| 12.1 Ohm/km (3.69 Ohm/1000ft) | 12.1 Ohm/km (3.69 Ohm/1000ft) | 70 pF/m (21 pF/ft)            | 130 pF/m (40 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. |
|-------------------|
| 47 mm (1.9 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. |
|--------|-----------------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.120 Revision Date: 02-15-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color | Putup Type | Length | EAN           |
|---------------|-------|------------|--------|---------------|
| 79001FS.00100 | Red   | Reel       | 100 m  | 8719605164018 |
| 79001FS.00500 | Red   | Reel       | 500 m  | 8719605164254 |
| 79001FS.01500 | White | Reel       | 500 m  | 8719605164629 |

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