



**Product:** [79002FS](#) 

Safe-T-Line® 2 x 2.5mm<sup>2</sup> Sol BC, OS, LSZH, BS6387 CWZ, LPCB

## Product Description

Safe-T-Line 2 x 2.5mm<sup>2</sup> Sol BC Fire resistant LPCB approved Multi-conductor, BS 6387 CWZ, EN 50200 PH120+Annex E, IEC60331-2 , 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, Fire Alarm Systems, Voice Evacuation Systems, Emergency & Safety Systems |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

### Construction Details

#### Conductor

| No. of Elements | Size                | Stranding | Material         |
|-----------------|---------------------|-----------|------------------|
| 2               | 2.5 mm <sup>2</sup> | Solid     | BC - Bare Copper |

#### Insulation

| Material        | Nom. Thickness    | Color Code  | Notes      |
|-----------------|-------------------|-------------|------------|
| Silicone Rubber | 0.8 mm (0.031 in) | Brown, Blue | BS7655 E12 |

#### Outer Shield

| Shield Type | Material                | Coverage | Notes                         |
|-------------|-------------------------|----------|-------------------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | Drainwire 0.8mm tinned copper |

|                           |                       |
|---------------------------|-----------------------|
| Outer Shield Table Notes: | Tape bonded to sheath |
|---------------------------|-----------------------|

#### Outer Jacket

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

|                            |                             |
|----------------------------|-----------------------------|
| Outer Jacket1 Table Notes: | COO printed on cable jacket |
|----------------------------|-----------------------------|

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

### Electrical Characteristics

#### Electricals

| Max. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) |
|--------------------|-------------------------------|-------------------------------------------------|
| 7.41 Ohm/km        | 80 pF/m (24 pF/ft)            | 145 pF/m (44.2 pF/ft)                           |

#### Voltage

| Voltage Rating |
|----------------|
| 300/500 V      |

### 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**

|                                  |                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                                   |
| 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 |
| CENELEC Compliance:              | EN 60228                                                                                                                 |
| European Halogen Free Standards: | IEC 60754-1 - Halogen Amount = IEC 60754-1, IEC 61034-2 - Smoke Density Min. Transmittance = 60%                         |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)                                |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                |

**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. Country of Origin printed on the jacket |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**History**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.142 Revision Date: 02-20-2026 |
|----------------------|--------------------------------------------------|

**Part Numbers****Variants**

| Item #        | Color | Putup Type | Length | EAN           |
|---------------|-------|------------|--------|---------------|
| 79002FS.00100 | Red   | Reel       | 100 m  | 8719605164025 |
| 79002FS.00500 | Red   | Reel       | 500 m  | 8719605164261 |
| 79002FS.01100 | White | Reel       | 100 m  | 8719605207920 |
| 79002FS.01500 | White | Reel       | 500 m  | 8719605164636 |

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