



Product: [79005FF](#)

Life Cycle Status: Capability



Safe-T-Line® 4 x 1.5mm<sup>2</sup> Str BC, OS, LSZH, BS6387 CWZ, LPCB

Product Description

Safe-T-Line 4 x 1.5mm<sup>2</sup> Stranded 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         |
|-----------------|---------------------|-----------|------------------|
| 4               | 1.5 mm <sup>2</sup> | Stranded  | BC - Bare Copper |

Insulation

| Material        | Nom. Thickness    | Color Code               | Notes      |
|-----------------|-------------------|--------------------------|------------|
| Silicone Rubber | 0.7 mm (0.028 in) | Brown, Blue, black, gray | BS7655 EI2 |

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) | 9.50 mm (0.374 in) |

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

|                                   |                  |
|-----------------------------------|------------------|
| Overall Cable Diameter (Nominal): | 9.5 mm (0.37 in) |
|-----------------------------------|------------------|

Electrical Characteristics

Electricals

| Max. Conductor DCR            | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) |
|-------------------------------|-------------------------------|---|
| 12.1 Ohm/km (3.69 Ohm/1000ft) | 75 pF/m (23 pF/ft)            | 115 pF/m (35.1 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. |
| 57 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 |
| 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 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. This is a preliminary Technical Design Specification (TDS). The minimum business quantity to offer is 6km for the first order. This product will have Red as standard color and 500mt as standard put-ups. Additional options for colors and put-ups are available on special request. The estimated production lead time for the first order will be similar to the production lead time of 79001FS. Please liaise with your Belden representative for confirmation. |
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History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.17 Revision Date: 09-30-2025 |
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