



Product: [5202FME](#)

Safe-T-Line, 4 C #16 Str BC, Silicone Ins, OS, LSZH Jkt, FPLR, CWZ, PH120

Product Description

Safe-T-Line 4 Conductor x AWG16 (7x24H SBC) Fire resistant Multi-conductor, BS 6387 CWZ, EN 50200 PH120, EN60331-2 , Shielded, Ceramifiable Silicone insulation, Low Smoke Zero Halogen Jacket

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Fire Resistant Applications With Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...),low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS),programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners |
|------------------------|--|

Construction Details

| Conductor | | | | |
|--------------|-----------------|--------|-----------|------------------|
| Element | No. of Elements | Size | Stranding | Material |
| Conductor(s) | 4 | 16 AWG | 7x24H | BC - Bare Copper |

| Insulation | | | | |
|--------------|-----------------|--------------------|--------------------------|--|
| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
| Conductor(s) | Silicone Rubber | 0.034 in (0.86 mm) | 0.127 in (3.23 mm) | Black #1, Black #2, Black #3, Black #4 |

| Outer Shield | | | |
|--------------|-------------------------|----------|-------------------|
| Shield Type | Material | Coverage | Drainwire Type |
| Tape | Bi-Laminate (Alum+Poly) | 100% | 18 AWG (7x26H) TC |

| Outer Jacket | | |
|-----------------|-------------------|--------------------|
| Material | Nom. Thickness | Nom. Diameter |
| PO - Polyolefin | 0.045 in (1.1 mm) | 0.401 in (10.2 mm) |

| | |
|--------------|---|
| Table Notes: | Highly Flame Retardant Non-Halogenated Polyolefin |
|--------------|---|

Electrical Characteristics

| Electricals | |
|--------------------|---------------------------------|
| Nom. Conductor DCR | Max. Current |
| 4.27 Ohm/1000ft | 15.2 Amps per Conductor at 30°C |

| Voltage |
|-------------------|
| UL Voltage Rating |
| 300 V |

Mechanical Characteristics

| Temperature | |
|----------------|-----------------|
| UL Temperature | Operating |
| 105°C | -20°C to +105°C |

| Bend Radius | | |
|------------------|-------------------|------------------|
| Stationary Min. | Installation Min. | Flexing Min. |
| 4.01 in (102 mm) | 4.01 in (102 mm) | 4.01 in (102 mm) |

| | |
|--------------------|----------------------|
| Max. Pull Tension: | 165.2 lbs (74.93 kg) |
| Bulk Cable Weight: | 103 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | IndoorRiser, Indoor, Outdoor, Non-Halogenated, Sunlight Resistance |
| Flammability / Reaction to Fire: | UL 1666 Riser, 1202, IEC 60331-21, BS EN 50200 PH120 |
| NEC / UL Compliance: | Article 760, FPLR, ITC, PLTC |
| European Directive Compliance: | EU Directive 2011/65/EU (RoHS 2) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Other Standard Compliance(s): | BS 6387 CWZ, EN50200 PH120 |
| Plenum Number: | No |

History

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| Update and Revision: | Revision Number: 0.42 Revision Date: 07-10-2025 |
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