



Product: [5324UME](#)

Safe-T-Line, 6 C #18 Sol BC, Silicone Ins, LSZH Jkt, FPLR, CWZ, PH120

Product Description

Safe-T-Line 6 Conductor x AWG18 (Solid SBC) Fire resistant Multi-conductor, BS 6387 CWZ, EN 50200 PH120, EN60331-2 , Unhielded, 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) | 6               | 18 AWG | Solid     | BC - Bare Copper |

| Insulation   |                 |                    |                          |  |
|--------------|-----------------|--------------------|--------------------------|--|
| Element      | Material        | Nom. Thickness     | Nom. Insulation Diameter | Color Code   |
| Conductor(s) | Silicone Rubber | 0.034 in (0.86 mm) | 0.109 in (2.77 mm)       | Black #1, Black #2, Black #3, Black #4, Black #5, Black #6 |

| Outer Jacket    |                   |                    |
|-----------------|-------------------|--------------------|
| Material        | Nom. Thickness    | Nom. Diameter      |
| PO - Polyolefin | 0.045 in (1.1 mm) | 0.417 in (10.6 mm) |

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

Electrical Characteristics

| Electricals                   |                                |
|-------------------------------|--------------------------------|
| Nom. Conductor DCR            | Max. Current                   |
| 6.84 Ohm/1000ft (22.4 Ohm/km) | 9.8 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.        |
| 4.17 in (106 mm) | 4.17 in (106 mm)  | 3.336 in (84.73 mm) |

|                    |                           |
|--------------------|---------------------------|
| Max. Pull Tension: | 117.6 lbs (53.34 kg)      |
| Bulk Cable Weight: | 91 lbs/1000ft (140 kg/km) |

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

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.40 Revision Date: 07-18-2025 |
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