



Product: [5222FME](#)

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

Product Description

Safe-T-Line 1 Pair x AWG16 (Solid 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
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	16 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)	0.119 in (3.02 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)	0.380 in (9.65 mm)

Table Notes:	Highly Flame Retardant Non-Halogenated Polyolefin
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4.26 Ohm/1000ft (14.0 Ohm/km)	14.4 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.
3.8 in (97 mm)	3.8 in (97 mm)	3.8 in (97 mm)

Max. Pull Tension:	147.2 lbs (66.77 kg)
Bulk Cable Weight:	94 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: 0.43 Revision Date: 07-18-2025
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