



Product: [5201FRE](#)

Safe-T-Line, 3 C #16 Str BC, Silicone Ins, OS, LSZH Jkt, FPLR, PLTC, CWZ, PH120

Product Description

Safe-T-Line 1 Triad 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
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Construction Details

Conductor			
No. of Elements	Size	Stranding	Material
3	16 AWG	7x24H	BC - Bare Copper

Insulation			
Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Silicone Rubber	0.035 in (0.89 mm)	0.127 in (3.23 mm)	Black, Red, Natural

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)	0.371 in (9.42 mm)

Electrical Characteristics

Electricals	
Nom. Conductor DCR	Max. Current
4.27 Ohm/1000ft (14.0 Ohm/km)	19 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.
3.71 in (94.2 mm)	3.71 in (94.2 mm)

Max. Pull Tension:	130 lbs (59 kg)
Bulk Cable Weight:	86 lbs/1000ft (130 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV 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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