

Product: [79009FF](#) 

Life Cycle Status: Capability



Safe-T-Line® 3 x 4.0 mm² Str BC, OS, LSZH, BS6387 CWZ, LPCB

Product Description

Safe-T-Line 3 x 4.0 mm² 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
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Product Life Cycle

Life Cycle:	Capability - the product is not yet standardly available for orders but can be manufactured
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Construction Details

Conductor

No. of Elements	Size	Stranding	Material
3	4 mm ²	Stranded	BC - Bare Copper

Insulation

Material	Nom. Thickness	Color Code	Notes
Silicone Rubber	0.8 mm (0.031 in)	brown, black, gray	BS7655 E12

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
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Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	12.1 mm (0.476 in)

Outer Jacket1 Table Notes:	COO printed on cable jacket
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Overall Cable Diameter (Nominal):	12.1 mm (0.476 in)
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Electrical Characteristics

Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
4.61 Ohm/km (1.41 Ohm/1000ft)	100 pF/m (30 pF/ft)	165 pF/m (50.3 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.
73 mm (2.9 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
CENELEC Compliance:	EN 60228
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = IEC 60754-1, IEC 61034-2 - Smoke Density Min. Transmittance = 60%
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: 0.25 Revision Date: 10-07-2026
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