Belden



Product: 79002FS

Safe-T-Line® 2 x 2.5mm2 Sol BC, OS, LSZH, BS6387 CWZ, LPCB

Product Description

Safe-T-Line 2 x 2.5mm2 Sol 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

Construction Details

Conductor

No. of Elements	Size	Stranding	Material
2	2.5 mm²	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Color Code	Notes
Silicone Rubber	0.8 mm (0.031 in)	Brown, Blue	BS7655 EI2

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

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	9.2 mm (0.36 in)

Outer Jacket1 Table Notes:	COO printed on cable jacket
Overall Cable Diameter (Nominal):	9.2 mm (0.36 in)

Electrical Characteristics

Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
7.41 Ohm/km	80 pF/m (24 pF/ft)	145 pF/m (44.2 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.
55 mm (2.2 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

History

Update and Revision:	Revision Number: 0.141 Revision Date: 09-30-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
79002FS.00100	Red	Reel	100 m	8719605164025
79002FS.00500	Red	Reel	500 m	8719605164261
79002FS.01100	White	Reel	100 m	8719605207920
79002FS.01500	White	Reel	500 m	8719605164636

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