



**Product:** [79210FLW](#) 

Life Cycle Status: Capability

Safe-T-Line® 2x1.0mm<sup>2</sup> Str BC, OS, LSZH, EN50200 PH120, Cca

## Product Description

Safe-T-Line 2 x 1.0mm<sup>2</sup> Str BC Fire resistant approved Multi-conductor EN 50200 PH120, Shielded, Silicone Rubber insulation, Low Smoke Zero Halogen Jacket, Cca

## Technical Specifications

### Product Overview

Suitable Applications:	Shielded Fire-Resistant cables for 120 minutes. Cables for permanent laying Fire Alarm systems. Halogen free, low emission of toxic fumes and gases and flame retardants. Suitable for indoor installations in public spaces. Cohabitation with power cables is allowed for 450/750V and 0.6/1kV.
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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
2	1 mm <sup>2</sup>	Stranded	BC - Bare Copper

#### Insulation

Material	Color Code
Silicone Rubber	Red, Black

#### Outer Shield

Shield Type	Material	Coverage	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	Drainwire 0.5mm <sup>2</sup> tinned copper

#### Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.3 mm (0.25 in)

### Electrical Characteristics

#### Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance
19 Ohm/km	110 pF/m (34 pF/ft)	0.65 uH/m

#### Voltage

Voltage Rating
100 V

### Mechanical Characteristics

#### Temperature

Installation
-20°C To +90°C

#### Bend Radius

**Installation Min.**

12"D

Bulk Cable Weight: 5.4 Kg/100m

**Standards and Compliance**

Environmental Suitability:	Indoor - Euroclass Cca
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-25
CPR Compliance:	CPR Euroclass: Cca-s1b,d1,a1
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = Pass, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 120

**Product Notes**

Notes:	This is a preliminary Technical Design Specification (TDS). The minimum business quantity to offer is 3km 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 is about 3 to 4 weeks. Please liaise with your Belden representative for confirmation.
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**History**

Update and Revision:	Revision Number: 0.10 Revision Date: 06-12-2026
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