

## FTSLB900FS01 Modular Connectors - FX FUSION LC CONNECTOR



For more Information  
please call

1-800-Belden1

**General Description:**

FX FUSION SPLICE-ON CONNECTOR, OS2, LC/APC SIMPLEX, 900UM TIGHT BUFFER, GREEN HOUSING, 1/PACK

**Usage (Overall)****Suitable Applications:**

Field-termination of fiber optic cables within Patch Panels, Distribution Frames, Workstation Outlets for FTTD (Fiber to the Desk), drops for FTTH (Fiber to the home) and MDU (Multiple Dwelling Units).

**Related Parts:**

FX Splice-On Installation Kit, FX Pigtailed. Not to be used with Breakout kits.

**Physical Characteristics (Connectivity)****Dimensions****Dimensions:**

| Height (in.) | Width (in.) | Length (in.) |
|--------------|-------------|--------------|
| 0.380        | 0.240       | 3.140        |

**Materials****Materials:**

| Description             | Material                         | Color  |
|-------------------------|----------------------------------|--------|
| Boot                    | Rubber                           | Black  |
| Protective Ferrule Cap  | Plastic                          | Opaque |
| Connector Front Housing | Plastic                          | Green  |
| Connector Rear Housing  | Nickel plated zinc alloy diecast |        |
| Ferrule                 | Zirconia-Ceramic                 | White  |

**Weight**

**Weight:** 0.046 lbs.

**Included Parts**

**Included Parts:** 900 µm boot, protective ferrule cap, splice protection sleeve

**Packaging**

**Packaging:** One (1) connector per pack, each in a dust and moisture resistant clam-shell package

**Mechanical Characteristics (Connectivity)****Mechanical Specifications:**

| Test                          | TIA 568.3-D                                                              |
|-------------------------------|--------------------------------------------------------------------------|
| Intermateability requirements | FOCIS compliant with latest revision of TIA-604-3 (SC) & TIA-604-10 (LC) |
| Operating Temperature         | -40° to 75°C                                                             |
| Storage Temperature           | -40° to 85°C                                                             |
| Durability                    | 500 insertions                                                           |
| Cable retention               | straight pull                                                            |
| Cable retention               | 90° pull                                                                 |
| Flex                          | 0.20 kg (0.45 lbf)                                                       |
| Twist                         | 0.20 kg (0.45 lbf)                                                       |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**EU Directive 2011/65/EU (ROHS II):** Yes

**EU RoHS Compliance Date (mm/dd/yyyy):** 01/01/2013

**MII Order #39 (China RoHS):** EUP 50

**Telecommunications Standards:** TIA 568.3-D



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Suitability

Suitability - Indoor: Yes - Indoor

Transmission Characteristics (Connectivity)

Transmission Specifications:

| Fiber type          | Maximum Insertion Loss | Minimum reflectance |
|---------------------|------------------------|---------------------|
| Single-mode UPC     | 0.3 dB                 | -55 dB              |
| Single-mode APC     | 0.3 dB                 | -65 dB              |
| Multimode OM1       | 0.25 dB                | -25 dB              |
| Multimode OM3 / OM4 | 0.2 dB                 | -25 dB              |

Notes (Overall)

Product Family

Put Ups and Colors:

| Item #       | Putup | Ship Weight | Color | Notes | Item Desc                    |
|--------------|-------|-------------|-------|-------|------------------------------|
| FTSLB900FS01 | 1 EA  | 0.224 LB    |       |       | FX FUSION OS2 LC_SX/A TB_900 |

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