

## FTSSB2MMFS01 Modular Connectors - FX FUSION SC CONNECTOR



For more Information  
please call

1-800-Belden1

**General Description:**

FX FUSION SPLICE-ON CONNECTOR, OS2, SC/APC SIMPLEX, 2 MM, GREEN HOUSING, 1/PACK

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

Field-termination of fiber optic cables within Patch Panels, Distribution Frames, Workstation Outlets for FTTH (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.

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

| Height (in.) | Width (in.) | Length (in.) |
|--------------|-------------|--------------|
| 0.350        | 0.320       | 2.840        |

**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:** 2 mm 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                                | GR-326-CORE / GR-1081-CORE (SM)             | TIA 568.3-D (MM)                           |
|-------------------------------------|---|--|
| Intermateability requirements       | TIA/EIA-604-10B (LC) & TIA/EIA-604-3B (SC)  | TIA/EIA-604-10B (LC) & TIA/EIA-604-3B (SC) |
| Operating Temperature               | -40° to 75°C                                | -40° to 75°C                               |
| Storage Temperature                 | -40° to 85°C                                | -40° to 85°C                               |
| Durability                          | 200 cycles at 3 ft, 4.5 ft and 6 ft         | 500 cycles                                 |
| Cable retention, straight pull      | 6.8 kgf (15 lbf)                            | 5.10 kgf (11.24 lbf)                       |
| Cable retention, 90° pull (LC)      | 2.3 kgf (5.0 lbf)                           | 1.99 kgf (4.4 lbf)                         |
| Cable retention, 90° pull (SC)      | 3.4 kgf (7.5 lbf)                           | 1.99 kgf (4.4 lbf)                         |
| Flex (LC)                           | 0.6 kgf (1.3 lbf)                           | 0.50 kgf (1.1 lbf)                         |
| Flex (SC)                           | 0.9 kgf (2.0 lbf)                           | 0.50 kgf (1.1 lbf)                         |
| Twist                               | 1.35 kgf (3 lbf)                            | 1.54 kgf (3.4 lbf)                         |
| Transmission with applied load (LC) | 2.0 kgf (0°), 1.3 kgf (90°) 0.17 kgf (135°) | N/A  |
| Transmission with applied load (SC) | 2.0 kgf (0° & 90°), 0.25 kgf (135°)         | N/A  |

**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

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MII Order #39 (China RoHS):

EUP 50

Telecommunications Standards:

GR-326/GR-1081-CORE (SM) &amp; TIA 568.3-D (MM)

**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 & OM5 | 0.2 dB                 | -25 dB              |

**Notes (Overall)****Product Family****Put Ups and Colors:**

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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