



Product: [FX Fusion OS2 LC Simplex 900](#)



FX Fusion Splice-On Connector OS2 LC Simplex 900µm

Product Description

FX Fusion Splice-On Connector, OS2, LC Simplex, 900µm Tight Buffer, Blue Housing

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Environmental Space: | Indoor, Outdoor |
| Suitable Applications: | Field-termination of fiber optic cables within Patch Panels, Distribution Frames, Workstation Outlets for FTDD (Fiber to the Desk), drops for FTTH (Fiber to the home) and MDU (Multiple Dwelling Units). |

Construction

Fiber Cable Construction

| Fiber Type | |
|------------|-----------|
| OS2 | |
| Weight: | 0.021 kg |
| Height: | 9.652 mm |
| Width: | 6.096 mm |
| Length: | 79.756 mm |

Mechanical Characteristics

Mechanical Specifications

| Test | GR-326-CORE/1081-CORE (SM) |
|---------------------------------|---|
| Intermateability Requirement | FOCIS compliant with latest revision of TIA-604-10 (LC) |
| Operating Temp Range | -40° to 85°C |
| Storage Temp Range | -40° to 75°C |
| Durability | 500 Insertions |
| Cable retention, straight pull | 0.51 kg |
| Cable retention, 90 degree pull | 0.2 kg |
| Flex | 0.20 kg |
| Twist | 0.20 kg |
| Transmission with Applied Load | 0.7 kgf (0°), 0.47 kgf (90°) & 0.17 kgf (135°) |
| Maximum Insertion Loss: | 0.3 dB |
| Minimum Reflectance: | -55 dB |
| Minimum Reflectance @ 1550nm: | -55 dB |
| Termination Style: | Splice-On |
| Durabilities@Termination1: | 500 Insertions |

Temperature Range

| | |
|------------------------------|--------------|
| Operating Temperature Range: | -40° to 85°C |
| Storage Temperature Range: | -40° to 75°C |

Product Material

Materials

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

Standards

| | |
|-----------------------------------|-------------|
| TIA/EIA Compliance: | TIA 568.3-D |
| EU Directive 2011/65/EU (RoHS 2): | Yes |
| MIL Order #39 (China RoHS): | EUP 50 |

Related Part Numbers

| | |
|-----------------|---|
| Included Parts: | 900 µm boot, protective ferrule cap, splice protection sleeve |
| Related Parts: | FX Splice-On Installation Kit, FX Pigtails. |

Variants

| Item # | Color | Packaging | UPC |
|--------------|-------|-------------|--------------|
| FTSLC900FS01 | Blue | Single Pack | 611589217217 |

Product Notes

| | |
|------------|-------------|
| Packaging: | Single Pack |
|------------|-------------|

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.147 Revision Date: 04-08-2022 |
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