



Product: [FX Brilliance OM3 LC](#)



FX Brilliance OM3 LC Connector

Product Description

FX Brilliance Universal LC Field Installable Connector, Multimode, OM3-OM4, Aqua Housing, 1/Pack, with support for 250 um (using Breakout kit), 900 um, 2 mm and 3 mm fiber (using jacketed boots). Includes 900 um boot, other accessories (Breakout Kit & jacketed boots) sold separately.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Environmental Space: | Indoor |
| 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). |

Construction

Fiber Cable Construction

| Fiber Type | |
|------------|----------|
| OM3 | |
| Weight: | 0.003 kg |

Mechanical Characteristics

Mechanical Specifications

| Test | TIA 568.3-D (MM) |
|------------------------------|--|
| Intermateability Requirement | Compliant with TIA/EIA-604-10A (FOCIS 10) |
| Operating Temp Range | -40°C to +75°C |
| Storage Temp Range | -40°C to +60°C |
| Durability | 500 cycles, less than 0.2 dB change, FOTP-21 |

| | |
|-------------------------------|--|
| Maximum Insertion Loss: | 0.50 dB |
| Typical Insertion Loss: | 0.20 dB |
| Minimum Reflectance @ 1550nm: | -30 dB |
| Termination Style: | Mechanical |
| Durabilities@Termination1: | 500 cycles, less than 0.2 dB change, FOTP-21 |

Temperature Range

| | |
|------------------------------|----------------|
| Operating Temperature Range: | -40°C to +75°C |
| Storage Temperature Range: | -40°C to +60°C |

Product Material

Materials

| Description | Material | Color |
|------------------------|----------|--------|
| Boot | Rubber | Black |
| Protective Ferrule Cap | Plastic | Opaque |
| Connector Body | Plastic | Aqua |
| Ferrule | Ceramic | |

Standards

| | |
|-----------------------------------|-------------|
| TIA/EIA Compliance: | TIA 568-C.3 |
| EU Directive 2011/65/EU (RoHS 2): | Yes |
| MIL Order #39 (China RoHS): | EUP 50 |
| Safety Listing: | ACA |

Related Part Numbers

| | |
|-----------------|--|
| Included Parts: | 900 µm boot, protective ferrule cap |
| Related Parts: | FX Brilliance Precision Installation Kit, Boots for 2mm and 3mm Jacketed Fiber, 250µm to 900µm break out kits. |

Product Notes

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|------------|--|
| Packaging: | Individually packaged in a sealed plastic bag. Twenty-five (25) connectors come in a dust and moisture resistant blister package. |
| Notes: | Refer to Installation Guide PX105234 for installation procedures. Fiber can be reterminated up to 5 times with the same connector. |

History

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| Update and Revision: | Revision Number: 0.111 Revision Date: 03-27-2024 |
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