



**Product:** [FX Brilliance OM1 SC](#)



FX Brilliance OM1 SC Connector

## Product Description

FX Brilliance Universal SC Field Installable Connector, Multimode, OM1, Beige Housing, 1/Pack, with support for 250  $\mu\text{m}$  (using Breakout kit), 900  $\mu\text{m}$ , 2 mm and 3 mm fiber (using jacketed boots). Includes 900  $\mu\text{m}$  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 FTTH (Fiber to the Desk), drops for FTTH (Fiber to the home) and MDU (Multiple Dwelling Units). |

### Construction

#### Fiber Cable Construction

|                   |           |
|-------------------|-----------|
| <b>Fiber Type</b> |           |
| OM1               |           |
| Weight:           | 0.007 lbs |

### Mechanical Characteristics

#### Mechanical Specifications

| Test                          | TIA 568.3-D (MM)                             |
|-------------------------------|--|
| Intermateability Requirement  | Compliant with TIA/EIA-604-3 (FOCIS 3)       |
| Operating Temp Range          | -40°C to +60°C                               |
| Storage Temp Range            | -40°C to +75°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 +60°C |
| Storage Temperature Range:   | -40°C to +75°C |

### Product Material

#### Materials

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

### Standards

|                                   |             |
|-----------------------------------|-------------|
| TIA/EIA Compliance:               | TIA 568-C.3 |
| EU Directive 2011/65/EU (RoHS 2): | Yes         |
| MII 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. |

## Variants

| Item #       | Color | Packaging | UPC          |
|--------------|-------|-----------|--------------|
| AX105205-B25 | Beige | 25-Pack   | 611589105224 |
| AX105205-S1  | Beige | 1-Pack    | 611589105231 |

## Product Notes

|            |  |
|------------|--|
| 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

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.62 Revision Date: 03-04-2023 |
|----------------------|---|

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