



**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
----------------------	---

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.