



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 μm (using Breakout kit), 900 μm , 2 mm and 3 mm fiber (using jacketed boots). Includes 900 μm 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

Fiber Type	
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
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.

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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