



**Product:** [FX Brilliance OS2 SC](#)



FX Brilliance OS2 SC UPC Connector

## Product Description

FX Brilliance Universal SC Field Installable Connector, Singlemode, OS2, Blue 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>	
OS2	
Weight:	0.003 kg

### Mechanical Characteristics

#### Mechanical Specifications

Test	GR-326-CORE/1081-CORE (SM)
Intermateability Requirement	Compliant with TIA/EIA-604-3 (FOCIS 3)
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	Blue
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, dust 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
AX105208-S1	Blue	1-Pack	611589105293

## 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: 0.59 Revision Date: 03-04-2023
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