



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

## FX Brilliance OS2 SC APC Connector



### Product Description

FX Brilliance Universal SC/APC Field Installable Connector, Singlemode, OS2, Green 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

<b>Fiber Type</b>	
OS2	
Weight:	0.120 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:	0.30 dB
Minimum Reflectance @ 1550nm:	-55 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	Lime Green
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
AX105209-B25	Green	25-Pack	611589105309
AX105209-S1	Green	1-Pack	611589105316

## 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: 0.268 Revision Date: 01-24-2025
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