



**Product:** [FX Brilliance OS2 LC Keyed](#)

FX Brilliance OS2 LC Keyed Connector



## Product Description

FX Brilliance Universal OS2 LC Keyed Blue Mechanical Keyed

## Technical Specifications

### Product Overview

Environmental Space:	Indoor
Suitable Applications:	Field-termination of fiber optic cables within Patch Panels, Distribution Frames, Workstation Outlets for FTDD (Fiber to the Desk), drops for FTTH (Fiber to the home) and MDU (Multiple Dwelling Units).

### Construction

#### Fiber Cable Construction

Fiber Type
OS2

### 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
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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
AX105248-B25	Aqua	25-Pack	611589106207
AX105243-B25	Black	25-Pack	611589106153
AX105245-B25	Blue	25-Pack	611589106177
AX105249-B25	Brown	25-Pack	611589106214
AX105241-B25	Green	25-Pack	611589106139
AX105244-B25	Orange	25-Pack	611589106160
AX105240-B25	Red	25-Pack	611589106122
AX105247-B25	Rose	25-Pack	611589106191
AX105250-B25	Slate	25-Pack	611589106221
AX105246-B25	Violet	25-Pack	611589106184
AX105251-B25	White	25-Pack	611589106238
AX105242-B25	Yellow	25-Pack	611589106146

## Product Notes

Packaging:	Individually packaged in a sealed plastic bag. Twenty-five (25) connectors come in a dust and moisture resistant blister package.
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## History

Update and Revision:	Revision Number: 0.49 Revision Date: 03-04-2023
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