

**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 Temp Range:	-40°C to +75°C
Storage Temp 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, 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.
------------	-----------------------------------------------------------------------------------------------------------------------------------

## History

Update and Revision:	Revision Number: 0.41 Revision Date: 04-08-2022
----------------------	-------------------------------------------------

© 2022 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.