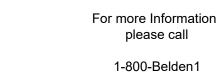


METRIC MEASUREMENT VERSION

# AX105202-B25 Modular Connectors - FX BRILLIANCE UNIVERSAL LC CONNECTOR

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## **General Description:**

FX Brilliance Universal LC field installable connector, multimode, OM3-OM4, Aqua Housing, 25/Pack, with support for 250um, 900um, 2mm and 3mm fiber. Includes 900um boot, other accessories sold separately.

nage	
Image:	
sage (Overall)	
Suitable Applications:	Field-termination of fiber optic cables within Patch Panels, Distribution Frames, Workstation Outlets for FTTD (Fiber to the Desk), drops for FTTH (Fiber to the home) and MDU (Multiple Dwelling Units).
Related Parts:	FX Brilliance Precision Installation Kit, Boots for 2mm and 3mm Jacketed Fiber, 250um to 900um break out kits.
hysical Characteristics (Connec	tivity)
laterials Materials:	
Description Material Color	
Boot Rubber Black	
Protective Ferrule Cap Plastic Opaque	
Connector Body Plastic Aqua	
/eight	
Weight:	0.094 kg
ncluded Parts	
Included Parts:	900 μm boot, protective ferrule cap
Packaging	
Packaging:	Twenty-five (25) connectors in a dust and moisture resistant blister package
echanical Characteristics (Conr	aectivity)
lechanical Specifications:	
Parameters	Specifications
Interconnection Competibility	TIA/EIA-604-10A (FOCIS 10)
Interconnection Compatibility Field Assembly Time	
Field Assembly Time	40 seconds including fiber preparation

Nominal Fiber OD	125 µm
Storage Temperature	-40°F to +140°F (-40°C to +60°C)
Operating Temperature	-40°F to +167°F (-40°C to +75°C)
Tensile strength on 2 mm Jacketed fiber	11.24 lb (5.1 Kg), less than 0.2 dB change, FOTP-6
Tensile strength on 900 µm tight buffered fiber	1.12 lb (0.5 Kg), less than 0.2 dB change, FOTP-6
Tensile strength on 250um fiber	0.5lb (0.45Kg), less than 0.2 dB change, FOTP-6
Ferrule	Ceramic

# Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs EU Directive 2002/95/EC (RoHS): Yes

# **Detailed Specifications & Technical Data**



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	EU RoHS Compliance Date (mm/dd/yyyy):	07/01/2006
	MII Order #39 (China RoHS):	EUP 50
	Telecommunications Standards:	TIA 568-C.3
	Safety Listing:	ACA
Su	itability	
	Suitability - Indoor:	Yes - Indoor

## **Transmission Characteristics (Connectivity)**

#### **Transmission Specifications:**

Fiber type	Maximum Insertion Loss	Typical Insertion Loss	Minimum reflectance @ 1550 nm
Multimode	0.50 dB	0.20 dB	-30 dB
Single-mode UPC	0.50 dB	0.30 dB	-50 dB
Single-mode APC	0.50 dB	0.30 dB	-55 dB

### Notes (Overall)

Notes: Refer to Installation Guide PX105234 for installation procedures. Fiber can be reterminated up to 5 times with the same connector.

#### **Product Family**

#### Part Number List:

Description	Color	Belden Part Number
FX Brilliance Universal LC for OM1 Connector 25/PK	Beige	AX105200-B25
FX Brilliance Universal LC for OM1 Sample 1/PK	Beige	AX105200-S1
FX Brilliance Universal LC for OM2 Connector 25/PK	Black	AX105201-B25
FX Brilliance Universal LC for OM2 Sample 1/PK	Black	AX105201-S1
FX Brilliance Universal LC for OM3/OM4 Connector 25/PK	Aqua	AX105202-B25
FX Brilliance Universal LC for OM3/OM4 Sample 1/PK	Aqua	AX105202-S1
FX Brilliance Universal LC for OM4 Connector 25/PK	Erika Violet	AX105252-B25
FX Brilliance Universal LC for OM4 Sample 1/PK	Erika Violet	AX105252-S1
FX Brilliance Universal LC for OS2 Connector 25/PK	Blue	AX105203-B25
FX Brilliance Universal LC for OS2 Sample 1/PK	Blue	AX105203-S1
FX Brilliance Universal 2mm Boot 25/PK	Black	AX105214-B25
FX Brilliance Universal 3mm Boot 25/PK	Black	AX105215-B25
Breakout Kit 6 fibers	N/A	AX101100
Breakout Kit 12 fibers	N/A	AX101101
Breakout Kit 6 fibers for Central Tube Loose Tube Cable	N/A	AX104695
Breakout Kit 12 fibers for Central Tube Loose Tube Cable	N/A	AX104696

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX105202-B25	25 EA	3.250 KG			FX BR UNIVERSAL LC OM3-4 25/PK

Revision Number: 0 Revision Date: 08-07-2014

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determining the applicability of legislation and regulations based on their individual usage of the product.