Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

AX105252-B25 Modular Connectors - FX BRILLIANCE UNIVERSAL LC CONNECTOR

For more Information
please call

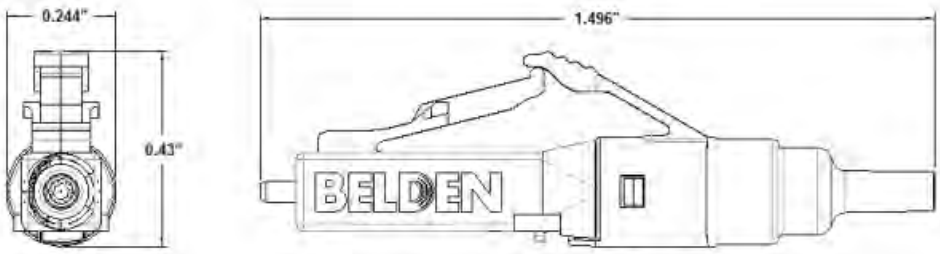
1-800-Belden1

General Description:

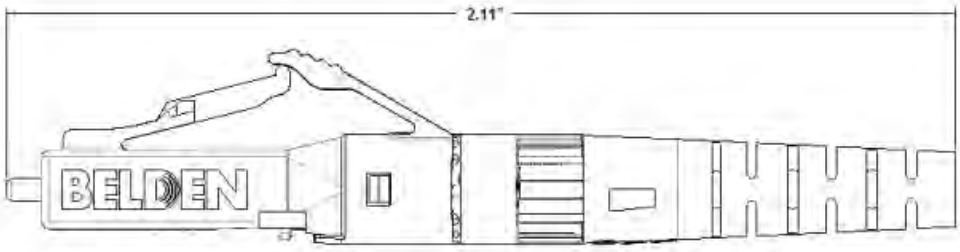
FX Brilliance Universal LC Field Installable Connector, Multimode, OM4, Erika Violet Housing, 25/Pack, with support for 250 um (using Breakout kit), 900 um, 2 mm and 3 mm fiber (using jacketed boots). Includes 900 um boot, other accessories (Breakout Kit & jacketed boots) sold separately.

Image

Image:



900 µm VERSION



JACKETED VERSION

Usage (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.

Physical Characteristics (Connectivity)

Materials

Materials:

Description	Material	Color
Boot	Rubber	Black
Protective Ferrule Cap	Plastic	Opaque
Connector Body	Plastic	Erika Violet

Weight

Weight: 0.208 lbs.

Included Parts

Included Parts: 900 µm boot, protective ferrule cap

Packaging

Packaging: Twenty-five (25) connectors in a dust and moisture resistant blister package

Mechanical Characteristics (Connectivity)

Mechanical Specifications:

Parameters	Specifications
Interconnection Compatibility	TIA/EIA-604-10A (FOCIS 10)
Field Assembly Time	40 seconds including fiber preparation
Durability (Multimode)	500 cycles, less than 0.2 dB change, FOTP-21
Durability (Single-mode)	500 cycles, less than 0.3 dB change, FOTP-21
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
Ferrule	Ceramic

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2002/95/EC (RoHS): Yes

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

Suitability

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	-60 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 Contractor 25/PK	Beige	AX105200-B25
FX Brilliance Universal LC for OM1 Sample 1/PK	Beige	AX105200-S1
FX Brilliance Universal LC for OM2 Contractor 25/PK	Black	AX105201-B25
FX Brilliance Universal LC for OM2 Sample 1/PK	Black	AX105201-S1
FX Brilliance Universal LC for OM3/OM4 Contractor 25/PK	Aqua	AX105202-B25
FX Brilliance Universal LC for OM3/OM4 Sample 1/PK	Aqua	AX105202-S1
FX Brilliance Universal LC for OM4 Contractor 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 Contractor 25/PK	Blue	AX105203-B25
FX Brilliance Universal LC for OS2 Sample 1/PK	Blue	AX105203-S1
FX Brilliance Universal 2mm Boot 25/PK	AX105214-B25	
FX Brilliance Universal 3mm Boot 25/PK	AX105215-B25	
Breakout Kit 6 fibers	AX101100	
Breakout Kit 12 fibers	AX101101	

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Breakout Kit 6 fibers for Central Tube Loose Tube Cable	AX104695
Breakout Kit 12 fibers for Central Tube Loose Tube Cable	AX104696

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX105252-B25	1 EA	0.287 LB			FX BR UNIVERSAL LC OM4 EV 25/P

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