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please call

1-800-Belden1

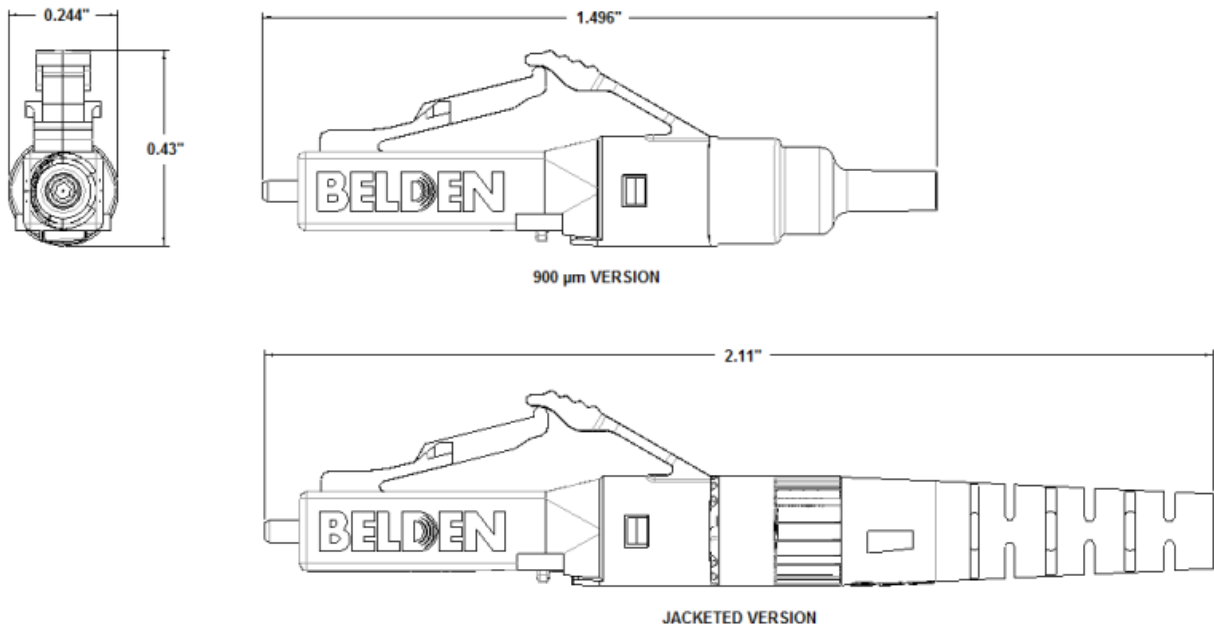


General Description:

FX Brilliance Universal LC Field Installable Connector, Multimode, OM1, with support for 250 μ m (using Breakout kit), 900 μ m, 2 mm and 3 mm fiber (using jacketed boots). Includes 900 μ m boot, other accessories (Breakout Kit & jacketed boots) sold separately.

Image

Image:



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, 250 μ m to 900 μ m break out kits.

Physical Characteristics (Connectivity)

Materials

Materials:

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

Weight

Weight: 0.208 lbs.

Included Parts

Included Parts: 900 μ m 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
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ENGLISH MEASUREMENT VERSION

AX105200-B25 Modular Connectors - Fiber Field-Termination Connectors - FX Brilliance Universal LC for OM1 fiber 25/PK

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
MIL Order #39 (China RoHS):	EUP 50
Telecommunications Standards:	TIA 568-C.3
Safety Listing:	ACA

Suitability

Suitability - Indoor:	Yes - Indoor
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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	Belden Part Number
FX Brilliance Universal LC for OM1, Contractor 25/PK	AX105200-B25
FX Brilliance Universal LC for OM1, Sample 1/PK	AX105200-S1
FX Brilliance Universal LC for OM2, Contractor 25/PK	AX105201-B25
FX Brilliance Universal LC for OM2, Sample 1/PK	AX105201-S1
FX Brilliance Universal LC for OM3/OM4, Contractor 25/PK	AX105202-B25
FX Brilliance Universal LC for OM3/OM4, Sample 1/PK	AX105202-S1
FX Brilliance Universal LC for OS2, Contractor 25/PK	AX105203-B25
FX Brilliance Universal LC for OS2, Sample 1/PK	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
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
AX105200-B25	25 EA	5.512 LB			FX BR UNIVERSAL LC OM1 25/PK

Revision Number: 0 Revision Date: 02-28-2013

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