

AX105203-B25 Modular Connectors - Fiber Field-Termination Connectors - FX Brilliance Universal LC for OS2 fiber 25/PK

For more Information
please call

1-800-Belden1

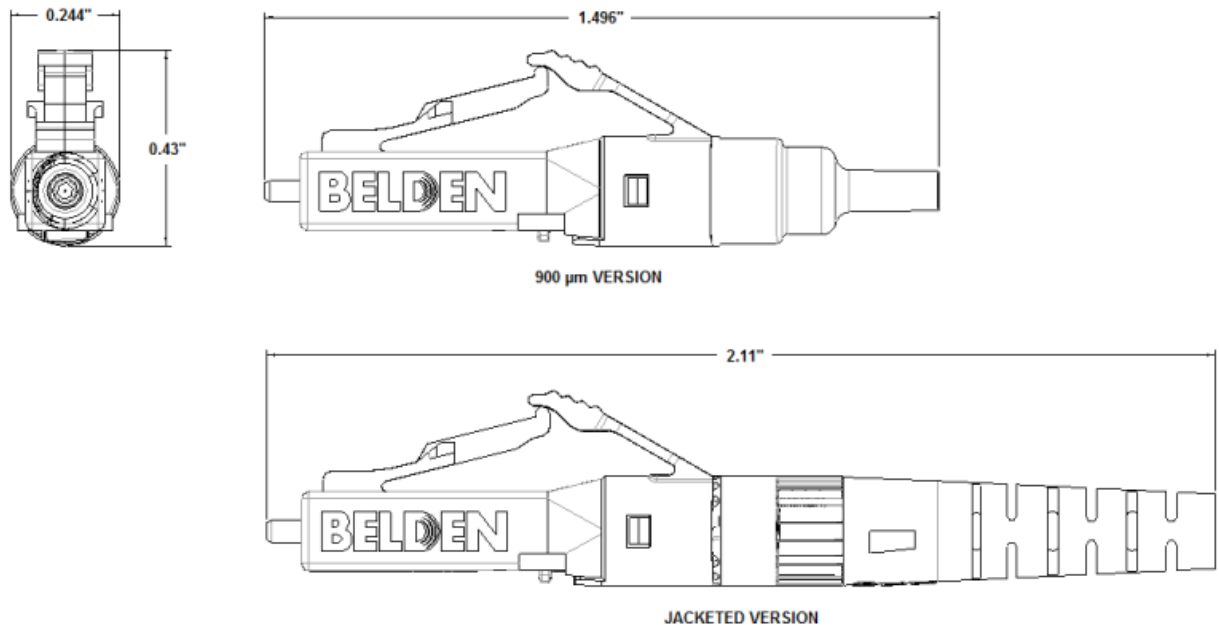


General Description:

FX Brilliance Universal LC Field Installable Connector, Single-mode, OS2, 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 FTTH (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	Blue

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
------------	----------------

ENGLISH MEASUREMENT VERSION

AX105203-B25 Modular Connectors - Fiber Field-Termination Connectors - FX Brilliance Universal LC for OS2 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
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
Multimode	0.50 dB	0.20 dB	-25 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
AX105203-B25	25 EA	5.512 LB			Brilliance LC SM 25/pk

Revision Number: 0 Revision Date: 03-26-2013

© 2013 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as

ENGLISH MEASUREMENT VERSION

AX105203-B25 Modular Connectors - Fiber Field-Termination Connectors - FX Brilliance Universal LC for OS2 fiber 25/PK

reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.