

AX105201-B25 Modular Connectors - FX BRILLIANCE UNIVERSAL LC CONNECTOR



For more Information
please call

1-800-Belden1

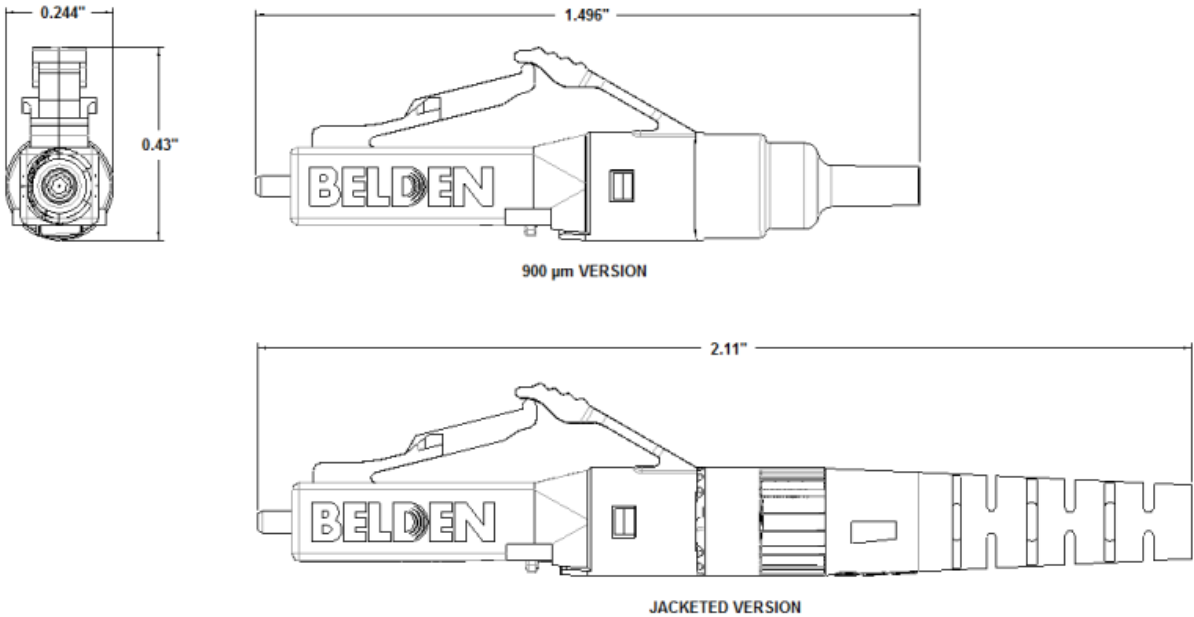


General Description:

FX Brilliance Universal LC Field Installable Connector, Multimode, OM2, Black 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:



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 breakout kits. |

Physical Characteristics (Connectivity)

Materials

Materials:

| Description | Material | Color |
|-------------|----------|-------|
|-------------|----------|-------|

METRIC MEASUREMENT VERSION

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| | | |
|------------------------|---------|--------|
| Boot | Rubber | Black |
| Protective Ferrule Cap | Plastic | Opaque |
| Connector Body | Plastic | Black |

Weight

Weight: 0.094 kg

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 |
| Tensile strength on 250µm 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

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

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 | 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 |

AX105201-B25 Modular Connectors - FX BRILLIANCE UNIVERSAL LC CONNECTOR**Put Ups and Colors:**

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|-------|-------------|-------|-------|------------------------------|
| AX105201-B25 | 25 EA | 3.250 KG | | | FX BR UNIVERSAL LC OM2 25/PK |

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