

AX104243-B25 Modular Connectors - Brilliance LC Connector SM



For more Information
please call

1-800-Belden1



General Description:

FiberExpress Brilliance Field Installable Connector, LC, Singlemode, 9 μ m, OS2, for 900 μ m tight buffered fiber

Usage (Overall)

Suitable Applications: Indoor termination of fiber cables: Patch panels, Communication outlets, Fiber-to-the-desk, Distribution frames, Campus, Customer premise, Access network, Data Centers, OM4 solutions

Related Parts: FiberExpress Brilliance installation kits, Breakout kits

Physical Characteristics (Connectivity)

Dimensions

Dimensions:

| Height (in.) | Width (in.) | Length (in.) |
|--------------|-------------|--------------|
| 0.395 | 0.232 | 1.594 |

Materials

Materials:

| Description | Type | Material | Color |
|----------------|------|----------|-------|
| Connector Body | N/A | Plastic | Blue |

Color

Color: Blue

Included Parts

Included Parts: 900 μ m boot, dust cap, protective cap

Packaging

Packaging: 25 per package

Mechanical Characteristics (Connectivity)

Mechanical Specifications:

| Parameters | Specifications |
|--|--|
| Interconnection Compatibility | compliant with TIA/EIA-604-10A (FOCIS 10) |
| Field Assembly Time | 40 seconds |
| 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 μ m |
| 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 μ m 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

AX104243-B25 Modular Connectors - Brilliance LC Connector SM

Telecommunications Standards: TIA 568-C.3

Safety Listing: ACA

Suitability

Suitability - Indoor: Yes - Indoor

Transmission Characteristics (Connectivity)

Transmission Specifications:

| Fiber type | Maximum Insertion Loss (Precision cleaver) | Typical Insertion Loss (Precision cleaver) | Maximum Insertion Loss (Field cleaver) | Typical Insertion Loss (Field cleaver) | Minimum reflectance |
|-----------------|--|--|--|--|---------------------|
| Multimode | 0.50 dB | 0.20 dB | 0.75 dB | 0.30 dB | -25 dB |
| Single-mode UPC | 0.50 dB | 0.30 dB | 0.75 dB | 0.30 dB | -50 dB |
| Single-mode APC | 0.75 dB | 0.30 dB | 0.75 dB | 0.30 dB | -60 dB |

Notes (Overall)

Notes: Refer to Installation Guide PX105234 for installation procedures. Supplied with FiberExpress Brilliance installation kit.

Notes (Cont'd.): Fiber can be reterminated up to 5 times with the same connector.

Product Family

Part Number List:

| Description | Belden Part Number |
|--|--------------------|
| LC 62.5 µm Multimode OM1 | AX104240-S1 |
| LC 50 µm Multimode OM2 | AX104241-S1 |
| LC 50 µm Multimode OM3-4 | AX104242-S1 |
| LC, Singlemode OS2 | AX104243-S1 |
| LC 62.5 µm Multimode OM1, 25 per package | AX104240-B25 |
| LC 50 µm Multimode OM2, 25 per package | AX104241-B25 |
| LC 50 µm Multimode OM3-4, 25 per package | AX104242-B25 |
| LC Singlemode OS2, 25 per package | AX104243-B25 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

Revision Number: 1 Revision Date: 03-21-2012

© 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 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.