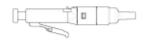
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

AX104240-S1 Modular Connectors - Brilliance LC Connector OM1







For more Information please call

1-800-Belden1



General Description:

FiberExpress Brilliance Field Installable Connector, LC, Multimode 62.5 μ m, OM1, for 900 μ m tight buffered fiber

| sage (Overall) | | | | |
|---|--|--|--|--|
| Suitable Applications: | Fiber-to-the-desk, Distribution fra | 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 | FiberExpress Brilliance installation kits, Breakout kits | | |
| hysical Characteristics (Connect | ivity) | | | |
| Dimensions Dimensions: | • | | | |
| Height (in.) Width (in.) Length (in.) 0.395 0.232 1.594 | | | | |
| Materials Materials: | | | | |
| DescriptionTypeMaterialColorConnector BodyN/APlasticBeige | | | | |
| Color | | | | |
| Color: | Beige | | | |
| ncluded Parts | | | | |
| Included Parts: | 900 µm boot, dust cap | | | |
| Packaging | | | | |
| Packaging: | Individually packaged in a plastic | c bag. | | |
| | | | | |
| lechanical Characteristics (Conn Mechanical Specifications: | ectivity) | | | |
| 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 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 | | | |
| | | | | |

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

Detailed Specifications & Technical Data



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AX104240-S1 Modular Connectors - Brilliance LC Connector OM1

| 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 | Num | ber | 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

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