

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 μm , OM1, for 900 μm 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	Beige

Color

Color:	Beige
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Included Parts

Included Parts:	900 μm boot, dust cap
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Packaging

Packaging:	Individually packaged in a plastic bag.
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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 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
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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
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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
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