

AX104241-S1 Modular Connectors - Brilliance LC Connector OM2



For more Information
please call

1-800-Belden1



Description:

FiberExpress Brilliance Field Installable Connector, LC, Multimode 50 μ m, OM2, 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	Black

Color

Color: Black

Included Parts

Included Parts: 900 μ m boot, dust cap

Packaging

Packaging: Individually packaged in a plastic bag.

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

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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
AX104241-S1	1 EA	0.007 LB			Brilliance LC OM2 900um 1 per

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