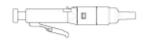
## **Detailed Specifications & Technical Data**



#### 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  $\mu$ m, OM1, for 900  $\mu$ 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**



#### ENGLISH MEASUREMENT VERSION

#### 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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