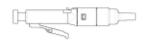
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

AX104240-S1 Modular Connectors - Brilliance LC Connector OM1







For more Information please call

1-800-Belden1



Description:

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

Isage (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 installatio	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			
Included Parts				
Included Parts:	900 µm boot, dust cap			
Packaging				
Packaging:	Individually packaged in a plastic	bag.		
lechanical Characteristics (Conn	ectivity)			
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 μ m tight buffered fiber	1.12 lb (0.5 Kg), less than 0.2 dB change, FOTP-6			
Ferrule	Ceramic			

EU RoHS Compliance (MoHS): 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
AX104240-S1	1 EA	0.007 LB			Brilliance LC OM1 900um 1 per

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

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