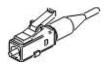
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

AX101982 Modular Connectors - Optimax Connector



For more Information please call

1-800-Belden1



sage (Overall)				
Suitable Applications:	Indoor termination of fiber cables: Patch panels, Communication outlets, Fiber-to-the-desk, Distribution frames, Direct termination to equipment, Fiber cable repair, Campus, Customer premise / Access network, Data Centers			
Related Parts:	Accessory kit for jacketed term	Accessory kit for jacketed termination, Installation Tool kits, Breakout kits		
hysical Characteristics (Connect	ivity)			
Dimensions				
Dimensions:				
Height (in.) Width (in.) Length (in.)				
0.176 0.176 1.514				
Aaterials				
Materials:				
Description Type Material Color				
Connector Body N/A Plastic Beige				
n aludad Darta				
ncluded Parts				
Included Parts:	900 micron boot			
Packaging				
Packaging:	Individually packaged in a plas	stic bag. Standard pack of 5 units, 500 units/box		
echanical Characteristics (Conn				
Storage Temperature Range:	-40°C To +70°C			
Installation Temperature Range:	-10°C To +60°C			
Operating Temperature Range:	-10°C To +60°C			
lechanical Specifications:				
Parameters	Specifications			
Interconnection Compatibility	LC, SC and ST-Compatible connectors			
Field Assembly Time	1 minute for 900 $\mu\text{m},$ 3 minutes for jacketed fiber			
Durability (Multimode)	Less than 0.2 dB change, 500 cycles			
Durability (Single-mode)	Less than 0.3 dB change, 500 cycles			
	125 μm			
Nominal Fiber OD	-40°F to 149°F (-40°C to 65°C)			
Storage Temperature	22°E to 14E°E (0°C to 60°C)			
Storage Temperature Operating Temperature	32°F to 145°F (0°C to 60°C)			
Storage Temperature Operating Temperature Tensile Load on jacketed fiber	50 N (11.2 lbs. / 5.1 Kg)			
Storage Temperature Operating Temperature				

EU RoHS Compliance Date (mm/dd/yyyy): 07/01/2006

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MII Order #39 (China RoHS):	EUP 50		
Telecommunications Standards:	TIA 568.C.3		
Safety Listing:	ACA		
Suitability			
Suitability - Indoor:	Yes - Indoor		

Transmission Characteristics (Connectivity)

Transmission Specifications:

Parameters	Specifications
Insertion Loss (Multimode and Single-mode)	0.3 dB (typical)
Reflectance (Multimode)	-30 dB (typical)
Reflectance (Single-mode)	-40 dB (guaranteed)

Notes (Overall)

Notes: Please see Installation Instruction Manual AX103148 (included in Installation Tool Kits, reference to NP271)

Notes (Cont'd.):

For Optimax termination on jacketed fibers, please use the appropriate Accessory Kit LC - AX101984 SC - AX101794 ST - AX101793

Product Family

Part Number List:

Description	Belden Part Number
LC 62.5 µm, Multimode	AX101981
LC 50 µm, Multimode	AX101982
LC Single-mode	AX101983
SC 62.5 µm, Multimode	AX100029
SC 50 µm, Multimode	AX101077
SC Single-mode	AX101792
ST Compatible 62.5 µm, Multimode	A0408835
ST Compatible 50 µm, Multimode	AX101075
ST Compatible Single-mode	AX101791

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX101982	1 EA	0.007 LB			OPTIMAX 50 UM LC CONNECT

Revision Number: 1 Revision Date: 12-03-2010

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