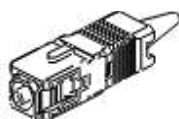


## AX101792 Modular Connectors - Optimax Connector



For more Information  
please call

1-800-Belden1

**Description:**

Optimax Field Installable Connector, SC, Single-mode (OS2), 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, Direct termination to equipment, Fiber cable repair, Campus, Customer premise / Access network, Data Centers

**Related Parts:**

Accessory kit for jacketed termination, Installation Tool kits, Breakout kits

**Physical Characteristics (Connectivity)****Dimensions****Dimensions:**

Height (in.)	Width (in.)	Length (in.)
0.362	0.394	1.752

**Materials****Materials:**

Description	Type	Material	Color
Connector Body	N/A	Plastic	Blue

**Included Parts****Included Parts:**

900 micron boot

**Packaging****Packaging:**

Individually packaged in a plastic bag. Standard pack of 5 units, 500 units/box

**Mechanical Characteristics (Connectivity)****Storage Temperature Range:**

-40°C To +70°C

**Installation Temperature Range:**

-10°C To +60°C

**Operating Temperature Range:**

-10°C To +60°C

**Mechanical Specifications:**

Parameters	Specifications
Interconnection Compatibility	LC, SC and ST-Compatible connectors
Field Assembly Time	1 minute for 900 µm, 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
Nominal Fiber OD	125 µm
Storage Temperature	-40°F to 149°F (-40°C to 65°C)
Operating Temperature	32°F to 145°F (0°C to 60°C)
Tensile Load on jacketed fiber	50 N (11.2 lbs. / 5.1 Kg)
Tensile Load on 900 micron tight buffered fiber	6.7 N (1.5 lbs. / 0.68 Kg)
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

## AX101792 Modular Connectors - Optimax Connector

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

Suitability - Indoor:	Yes - Indoor
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**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)

<b>Notes (Cont'd.):</b>	For Optimax termination on jacketed fibers, please use the appropriate Accessory Kit LC - AX101984 SC - AX101794 ST - AX101793
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**Product Family****Part Number List:**

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

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX101792	1 EA	0.007 LB			OPTIMAX SC SINGLEMODE

Revision Number: 0      Revision Date: 12-03-2010

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