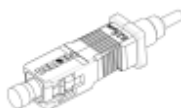


## AX104244-B25 Modular Connector - Brilliance SC Connector OM1



For more Information  
please call

1-800-Belden1

**Description:**

FiberExpress Brilliance Field Installable Connector, SC, Multimode 62.5  $\mu$ m, OM1, for 900  $\mu$ 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

**Related Parts:**

FiberExpress Brilliance installation kits, Breakout kits

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

Height (mm)	Width (mm)	Length (mm)
9.144	9.906	46.228

**Materials****Materials:**

Description	Type	Material	Color
Connector Body	N/A	Plastic	Beige

**Color****Color:**

Beige

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

900  $\mu$ m boot, dust cap

**Packaging****Packaging:**

25 per package.

**Mechanical Characteristics (Connectivity)****Mechanical Specifications:**

Parameters	Specifications
Interconnection Compatibility	compliant with TIA/EIA-604-3(FOCIS 3)
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 $\mu$ m
Storage Temperature	-40°F to +167°F (-40°C to +75°C)
Operating Temperature	-40°F to +167°F (-40°C to +75°C)
Tensile strength on 900 $\mu$ 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

**AX104244-B25 Modular Connector - Brilliance SC Connector OM1**

Telecommunications Standards: TIA 568-C.3

Safety Listing: ACA

**Suitability**

Suitability - Indoor: Yes - Indoor

**Transmission Characteristics (Connectivity)****Transmission Specifications:**

Maximum Insertion Loss (Field cleaver)	Typical Insertion Loss (Field cleaver)	Maximum Insertion Loss (Precision cleaver)	Typical Insertion Loss (Precision cleaver)	Minimum reflectance	Fiber type
0.75 dB	0.30 dB	0.50 dB	0.20 dB	-25 dB	Multimode
0.75 dB	0.30 dB	0.50 dB	0.30 dB	-40 dB	Singlemode

**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
SC 62.5 µm Multimode OM1	AX104244-S1
SC 50 µm Multimode OM2	AX104245-S1
SC 50 µm Multimode OM3-4	AX104246-S1
SC, Singlemode OS2	AX104247-S1
SC 62.5 µm Multimode OM1, 25 per package	AX104244-B25
SC 50 µm Multimode OM2, 25 per package	AX104245-B25
SC 50 µm Multimode OM3-4, 25 per package	AX104246-B25
SC Singlemode OS2, 25 per package	AX104247-B25

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX104244-B25	1 EA	0.051 KG			Brilliance SC OM1 900um 25 per

Revision Number: 0    Revision Date: 01-25-2011

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