

FT5SC900FS01 Modular Connectors - FX FUSION SC CONNECTOR

Preview Document. Not Live Data.

For more Information
please call

1-800-Belden1

Description

FX FUSION SPLICE-ON CONNECTOR, OM5, SC SIMPLEX, 900UM TIGHT BUFFER/250UM, LIME GREEN HOUSING, 1/PACK

Usage (Overall):

Suitable Applications	Field-termination of fiber optic cables within Patch Panels, Distribution Frames, Workstation Outlets for FTTD (Fiber to the Desk), drops for FTTH (Fiber to the home) and MDU (Multiple Dwelling Units).
Related Parts	FX Splice-On Installation Kit, FX Pigtails. Not to be used with Breakout kits.

Physical Characteristics (Connectivity):

Materials:

Materials

Description	Material	Color
Boot	Rubber	Black
Protective Ferrule Cap	Plastic	Opaque
Connector Front Housing	Plastic	Lime green
Connector Rear Housing	Nickel plated zinc alloy diecast	
Ferrule	Zirconia-Ceramic	White

Weight:

Weight: 0.047 lbs.

Included Parts:

Included Parts 900 µm boot, protective ferrule cap, splice protection sleeve

Packaging:

Packaging One (1) connector per pack, each in a dust and moisture resistant clam-shell package

Mechanical Characteristics (Connectivity):

Mechanical Specifications

Test	900µm (SM) per GR-326/1081-CORE	900µm (MM) per TIA 568.3-D	250µm (SM) per GR-326/1081-CORE	250µm (MM) per TIA 568.3-D
Operating Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Storage Temperature	-40° to 85°C	-40° to 85°C	-40° to 85°C	-40° to 85°C
Twist	0.5 kgf (1.1 lbf)	0.20 kgf (0.45 lbf)	0.5 kgf (1.1 lbf)	0.20 kgf (0.45 lbf)
Flex	N/A	0.20 kgf (0.45 lbf)	N/A	0.20 kgf (0.45 lbf)
Transmission with applied load (SC)	0.7 kgf (0° & 90°)	0.25kgf (135°)	N/A	0.5 kgf (0° & 90°)
Transmission with applied load (LC)	0.7 kgf (0°)	0.47 kgf (90°) & 0.17 kgf (135°)	N/A	0.5 kgf (0°)
Durability	200 cycles at 3 ft	4.5 ft and 6 ft	500 cycles	200 cycles at 3 ft
Cable retention	90° pull	N/A	0.20 kgf (0.45 lbf)	N/A
Cable retention	straight pull	N/A	0.51 kgf (1.12 lbf)	N/A
Intermateability requirements	TIA/EIA-604-10 (LC) TIA/EIA-604-3 (SC)	TIA/EIA-604-10 (LC) TIA/EIA-604-3 (SC)	TIA/EIA-604-10 (LC) TIA/EIA-604-3 (SC)	TIA/EIA-604-10 (LC) TIA/EIA-604-3 (SC)

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards & Environmental Programs:

EU Directive 2011/65/EU (ROHS II) Yes

EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2013

MII Order #39 (China RoHS) EUP 50

Telecommunications Standards GR-1081-CORE (SM) & TIA 568.3-D (MM)

Suitability:

Suitability - Indoor Yes - Indoor

Transmission Characteristics (Connectivity):

FT5SC900FS01 Modular Connectors - FX FUSION SC CONNECTOR

Transmission Specifications

Fiber type	Maximum Insertion Loss	Minimum reflectance
Single-mode UPC	0.3 dB	-55 dB
Single-mode APC	0.3 dB	-65 dB
Multimode OM1	0.25 dB	-25 dB
Multimode OM3, OM4 & OM5	0.2 dB	-25 dB

Notes (Overall):

Product Family:

Revision Number: 0 Revision Date: 11-29-2023

© 2023 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.