

LIGHTSYSTEM® JUMPERS & PIGTAILS

FIBER PRODUCTS

Siemon offers a comprehensive line of LightSystem fiber jumpers for connecting Gigabit fiber links. Each and every terminated connector is optically tested so that you can be assured that 100% of Siemon-built cable assemblies meet stringent performance specifications (shown below). All jumpers are manufactured using the finest quality connectors and OFNR (UL 1666) riser grade fiber.

Supports Gigabit Ethernet

Singlemode jumpers and pigtails feature an Ultra polish with a minimum return loss of 55 dB

Connectors color coded per TIA/EIA-568-B.3

SC duplexing clip allows for polarity correction

Multimode has orange jacket; singlemode fiber has yellow jacket, compliant with TIA/EIA-598-AB

Jumpers available in 1, 2, 3, and 5 meter standard lengths

Pigtails available in 1 meter lengths

Exceeds TIA/EIA and ISO/IEC requirements for aging, exposure to humidity, temperature extremes, impact, vibration, coupling strength, and cable resistance to stress and strain



Jumpers are ideal for patching applications in the telecommunications room

Pigtails with buffered fiber are ideal for fusion splice applications in telecommunications room

Jumpers are ideal for patching applications in the work area

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Use, Care and Maintenance:

This procedure is a general guide for the use, care, and maintenance of fiber jumpers sold by Siemon and is included on each fiber jumper/pigtail bag.

- Keep all connectors clean. Replace protective dust caps on connectors when not in use.
- Clean the connector ferrule with a lint-free wipe soaked in isopropyl alcohol, followed with a dry lint-free wipe.
- Do not touch the connector ferrule tip prior to installation.
- Observe a minimum bend radius of 30mm (1.2 in.) during handling, installation and use.

PERFORMANCE SPECIFICATIONS

	50/125µm Multimode		62.5/125µm Multimode	
Wavelength (nm)	850	1300	850	1300
Min. Cable Bandwidth (MHz-km)	500	500	200	500
Max. Insertion Loss (dB)	0.65 (0.15 Typical)			
Min. Return Loss (dB)	25 (30 Typical)			

LightSystem® Multimode Duplex Jumpers

- FJ2-SCSC(X)MM-(XX)SC-SC orange duplex jumper, OFNR
- FJ2-SASA(X)MM-(XX)ST-ST orange duplex jumper, OFNR
- FJ2-SASC(X)MM-(XX)ST-SC orange duplex jumper, OFNR
- FJ2-LCLC(X)MM-(XX)LC-LC orange duplex jumper, OFNR
- FJ2-LCSC(X)MM-(XX)LC-SC orange duplex jumper, OFNR
- FJ2-LCSA(X)MM-(XX)LC-ST orange duplex jumper, OFNR
- FJ2R-MTMT(X)MM-(XX)MT-RJ to MT-RJ orange duplex jumper, OFNR
- FJ2R-MTSC(X)MM-(XX)MT-RJ to SC orange duplex jumper, OFNR
- FJ2R-MTSA(X)MM-(XX)MT-RJ to ST orange duplex jumper, OFNR

LightSystem Multimode Simplex Pigtails

- FP1B-SC(X)MM-01SC simplex pigtail, orange, 900 micron, buffered, 1m (3.3 ft.)
- FP1B-SA(X)MM-01ST simplex pigtail, orange, 900 micron, buffered, 1m (3.3 ft.)
- FP1B-LC(X)MM-01LC simplex pigtail, orange, 900 micron, buffered, 1m (3.3 ft.)



Use (X) to specify multimode fiber type: 6 = 62.5/125µm fiber; 5 = 50/125µm fiber

Use (XX) to specify length: 01 = 1m (3.3 ft.), 02 = 2m (6.6 ft.), 03 = 3m 9.8 ft.), 05 = 5m (16.4 ft.)

Custom cable lengths are available upon request. Contact our Customer Service Department for more information.

Note: ST and SC jumpers use 3.0mm (0.12 in.) zipcord cable. LC, MT-RJ and associated hybrid jumpers use 1.6mm (0.06 in.) mini zipcord cable.

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

LightSystem® is a trademark of Siemon

For related product information request Spec Sheet(s):

- ST & SC Fiber Connectors (PROD-SS-SFC)
- LC Connector Products (PROD-SS-LCC)
- MT-RJ Connector (PROD-SS-MTR)
- Rack Mount Interconnect Center (PROD-SS-RIC)

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