

# XGLO™ JUMPERS & PIGTAILS

Part of Siemon's 10G *ip*™ Cabling Solution, XGLO fiber optic cable assemblies are ideal for next generation backbone or fiber-to-the-desk applications. XGLO cable assemblies feature premium fiber that meets IEEE 802.3 10 Gigabit Ethernet Standard as well as IEC-60793-2-10 and TIA-492AAAC specifications for laser bandwidth Differential Mode Delay (DMD) specifications. In addition, these assemblies offer a superior connector polish that meets stringent Telcordia and ISO/IEC specifications for end-face geometry and exceeds all ANSI/TIA/EIA and ISO/IEC insertion loss and return loss requirements.

These precision cable assemblies are warranted for 20 years and ensure optimum applications support for 10 Gigabit Ethernet serial transmission when installed in a qualified XGLO system. 100% inspection ensures superior performance and quality. SC, LC and SC-LC hybrids available.

**10G ip™**

Supports  
10 Gigabit  
Ethernet

FIBER PRODUCTS

Laser bandwidth optimized cable reduces impurities in the core of fiber, ensuring robust 10 gigabit Ethernet transmission

Singlemode jumpers and pigtails feature an Ultra polish with a min return loss of 55 dB (60 dB typical)

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

Dust caps included to protect polish from dirt and damage

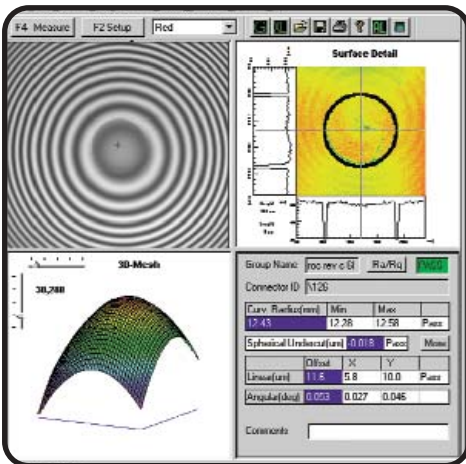
SC duplexing clip allows for polarity correction

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

50/125µm multimode and singlemode assemblies available

Pigtails available in 1 meter lengths

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



XGLO fiber optic cable assemblies meet all Telcordia and ISO/IEC specifications for ferrule end face geometry – including radius of curvature, apex offset, and spherical undercut. Compliance ensures minimum Return Loss, thereby reducing back reflection of laser energy which could degrade transmission performance or damage transceivers

**Use, Care and Maintenance:**

This procedure is a general guide for the use, care, and maintenance of fiber jumpers sold by The Siemon Company 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			Singlemode
	850nm	1300nm	850nm*	
Min. Cable Bandwidth (MHz km)	1500	500	2000	n/a
Max. Insertion Loss (dB)	0.50 (0.10 Typical)			0.40 (0.10 Typical)
Min. Return Loss (dB)	30 (35 Typical)			55 (60 Typical)

\*Laser Bandwidth

**XGLO™ Multimode Duplex Jumpers:**

- FJ2-SCSC5L-XX.....SC-SC duplex jumper, 50/125 laser optimized fiber
- FJ2-LCLC5L-XX.....LC-LC duplex jumper, 50/125 laser optimized fiber
- FJ2-LCSC5L-XX.....LC-SC duplex jumper, 50/125 laser optimized fiber

**XGLO Multimode Simplex Pigtails:**

- FP1B-SC5L-01 .....SC simplex pigtail, 900 micron 50/125 laser optimized fiber
- FP1B-LC5L-01 .....LC simplex pigtail, 900 micron 50/125 laser optimized fiber

**XGLO Singlemode Duplex Jumpers:**

- FJ2-SCUSCUL-XX.....SC-SC duplex jumper, singlemode laser optimized fiber
- FJ2-LCULCUL-XX.....LC-LC duplex jumper, singlemode laser optimized fiber
- FJ2-LCUSCUL-XX.....LC-SC duplex jumper, singlemode laser optimized fiber

**XGLO Singlemode Simplex Pigtails:**

- FP1B-SCUL-01 .....SC simplex pigtail, singlemode buffered laser optimized fiber
- FP1B-LCUL-01.....LC simplex pigtail, singlemode buffered laser optimized fiber

Use (XX) to specify length:

01 = 1m (3.3 ft.), 03 = 3m (9.8 ft.), 05 = 5m (16.4 ft.)

Custom lengths available upon request



Because we are continuously improving our products, The Siemon Company reserves the right to change specifications and availability without prior notice.

10G ip™ and XGLO™ are trademarks of The Siemon Company

For related product information request Spec Sheet(s):

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

**The Americas**  
Watertown, CT USA  
Phone (1) 860 945 4200

**Europe/Middle East/Africa**  
Surrey, England  
Phone (44) 0 1483 480040

**Asia/Pacific**  
Shanghai, P.R. China  
Phone (86) 21 6390 6778