

# XGLO<sup>®</sup> Jumper & Pigtails

XGLO fiber optic cable assemblies are ideal for supporting 10 Gigabit fiber applications over extended distances and next-generation backbones. XGLO cable assemblies feature premium fibre that meets IEEE 802.3 10 Gigabit Ethernet Standard as well as IEC-60793-2-10 and TIA-492AAAC (OM3), TIA-492AAAD (OM4) 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 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.

**Supports  
10 Gigabit  
Ethernet**



**RoHS Compliant**

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

Singlemode assemblies feature blue connectors with a yellow jacket; multimode assemblies feature beige connectors with an aqua jacket

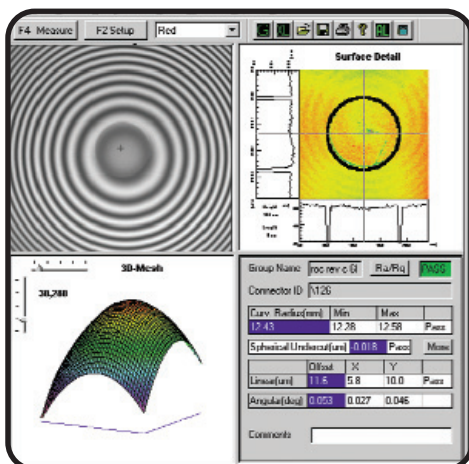
50/125µm multimode and singlemode assemblies available

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

XGLO fibre 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

Dust caps included to protect polish from dirt and damage

SC duplexing clip allows for polarity correction



# Product Information

## PERFORMANCE SPECIFICATIONS

	50/125µm Multimode (OM3)			50/125µm Multimode (OM4)			Singlemode (OS2)
<b>Wavelength (nm)</b>	850	1300	850*	850	1300	850*	1310/1550nm
<b>Min. Cable Bandwidth (MHz.km)</b>	1500 (OFL)	500 (OFL)	2000 (EMB)	3500 (OFL)	500 (OFL)	4700 (EMB)	N/A
<b>Max. Insertion Loss (dB)</b>	0.25 (0.10 Typical)			0.25 (0.10 Typical)			0.40 (0.10 Typical)
<b>Min. Return Loss (dB)</b>	30 (35 Typical)			30 (35 Typical)			55 (60 Typical)

\*Laser Bandwidth

## Ordering Information

### OFNR

#### XGLO 300 50/125µm Multimode OM3

##### Duplex Jumpers:

FJ2-SCSC5L-(XX)AQ .....SC to SC aqua duplex jumper  
 FJ2-LCLC5L-(XX)AQ .....LC to LC aqua duplex jumper  
 FJ2-LCSC5L-(XX)AQ .....LC to SC aqua duplex jumper  
 FJ2-SASA5L-(XX)AQ .....ST to ST aqua duplex jumper  
 FJ2-SASC5L-(XX)AQ .....ST to SC aqua duplex jumper  
 FJ2-LCSA5L-(XX)AQ .....LC to ST aqua duplex jumper

#### Simplex Pigtails - 900 micron buffered

FP1B-SC5L-(XX)AQ .....SC simplex pigtail, aqua  
 FP1B-LC5L-(XX)AQ .....LC simplex pigtail, aqua  
 FP1B-SA5L-(XX)AQ .....ST simplex pigtail, aqua

#### XGLO 550 50/125µm Multimode, OM4

##### Duplex Jumpers:

FJ2-SCSC5V-(XX)AQ .....SC to SC aqua duplex jumper  
 FJ2-LCLC5V-(XX)AQ .....LC to LC aqua duplex jumper  
 FJ2-LCSC5V-(XX)AQ .....LC-SC aqua duplex jumper

#### Simplex Pigtails - 900 micron buffered

FP1B-SC5V-(XX)AQ .....SC simplex pigtail, aqua  
 FP1B-LC5V-(XX)AQ .....LC simplex pigtail, aqua

#### XGLO Singlemode OS2 (UPC)

##### Duplex Jumpers:

FJ2-SCUSCUL-(XX) .....SC to SC yellow duplex jumper  
 FJ2-LCULCUL-(XX) .....LC to LC yellow duplex jumper  
 FJ2-LCUSCUL-(XX) .....LC to SC yellow duplex jumper  
 FJ2-SAUSAUL-(XX) .....ST to ST yellow duplex jumper  
 FJ2-LCUSAUL-(XX) .....LC to ST yellow duplex jumper  
 FJ2-SAUSCUL-(XX) .....ST to SC yellow duplex jumper

#### Simplex Pigtails - 900 micron buffered

FP1B-SCUL-(XX) .....SC simplex pigtail, yellow  
 FP1B-LCUL-(XX) .....LC simplex pigtail, yellow  
 FP1B-SAUL-(XX) .....ST simplex pigtail, yellow

Use (XX) to specify length:

01=1m (3.3 ft.), 02 = 2m, 03 = 3m (9.8 ft.),  
 05 = 5m (16.4 ft.)

### LSOH (IEC 60332-3C)

#### XGLO 300 50/125µm Multimode OM3

##### Duplex Jumpers:

FJ2-SCSC5L-(XX)AH .....SC to SC aqua duplex jumper  
 FJ2-LCLC5L-(XX)AH .....LC to LC aqua duplex jumper  
 FJ2-LCSC5L-(XX)AH .....LC to SC aqua duplex jumper  
 FJ2-SASA5L-(XX)AH .....ST to ST aqua duplex jumper  
 FJ2-SASC5L-(XX)AH .....ST to SC aqua duplex jumper  
 FJ2-LCSA5L-(XX)AH .....LC to ST aqua duplex jumper

#### Simplex Pigtails - 900 micron buffered

FP1B-SC5L-(XX)AH .....SC simplex pigtail, aqua  
 FP1B-LC5L-(XX)AH .....LC simplex pigtail, aqua  
 FP1B-SA5L-(XX)AH .....ST simplex pigtail, aqua

#### XGLO 550 50/125µm Multimode, OM4

##### Duplex Jumpers:

FJ2-SCSC5V-(XX)AH .....SC to SC aqua duplex jumper  
 FJ2-LCLC5V-(XX)AH .....LC to LC aqua duplex jumper  
 FJ2-LCSC5V-(XX)AH .....LC-SC aqua duplex jumper

#### Simplex Pigtails: 900 micron buffered

FP1B-SC5V-(XX)AH .....SC simplex pigtail, aqua  
 FP1B-LC5V-(XX)AH .....LC simplex pigtail, aqua

#### XGLO Singlemode OS2 (UPC)

##### Duplex Jumpers:

FJ2-SCUSCUL-(XX)H .....SC to SC yellow duplex jumper  
 FJ2-LCULCUL-(XX)H .....LC to LC yellow duplex jumper  
 FJ2-LCUSCUL-(XX)H .....LC to SC yellow duplex jumper  
 FJ2-SAUSAUL-(XX)H .....ST to ST yellow duplex jumper  
 FJ2-LCUSAUL-(XX)H .....LC to ST yellow duplex jumper  
 FJ2-SAUSCUL-(XX)H .....ST to SC yellow duplex jumper

#### Simplex Pigtails - 900 micron buffered

FP1B-SCUL-(XX)H .....SC simplex pigtail, yellow  
 FP1B-LCUL-(XX)H .....LC simplex pigtail, yellow  
 FP1B-SAUL-(XX)H .....ST simplex pigtail, yellow

Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.

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

XGLO™ is a trademark of Siemon

#### The Americas

Watertown, CT USA  
 Phone (1) 860 945 4200 US  
 Phone (1) 888 425 6165 Canada

#### Europe/Middle East/Africa

Chertsey, England  
 Phone (44) 0 1932 571771

#### Asia/Pacific

Shanghai, P.R. China  
 Phone (86) 21 6390 6778

#### Central & South America

Bogota, Columbia  
 Phone (571) 317 2121