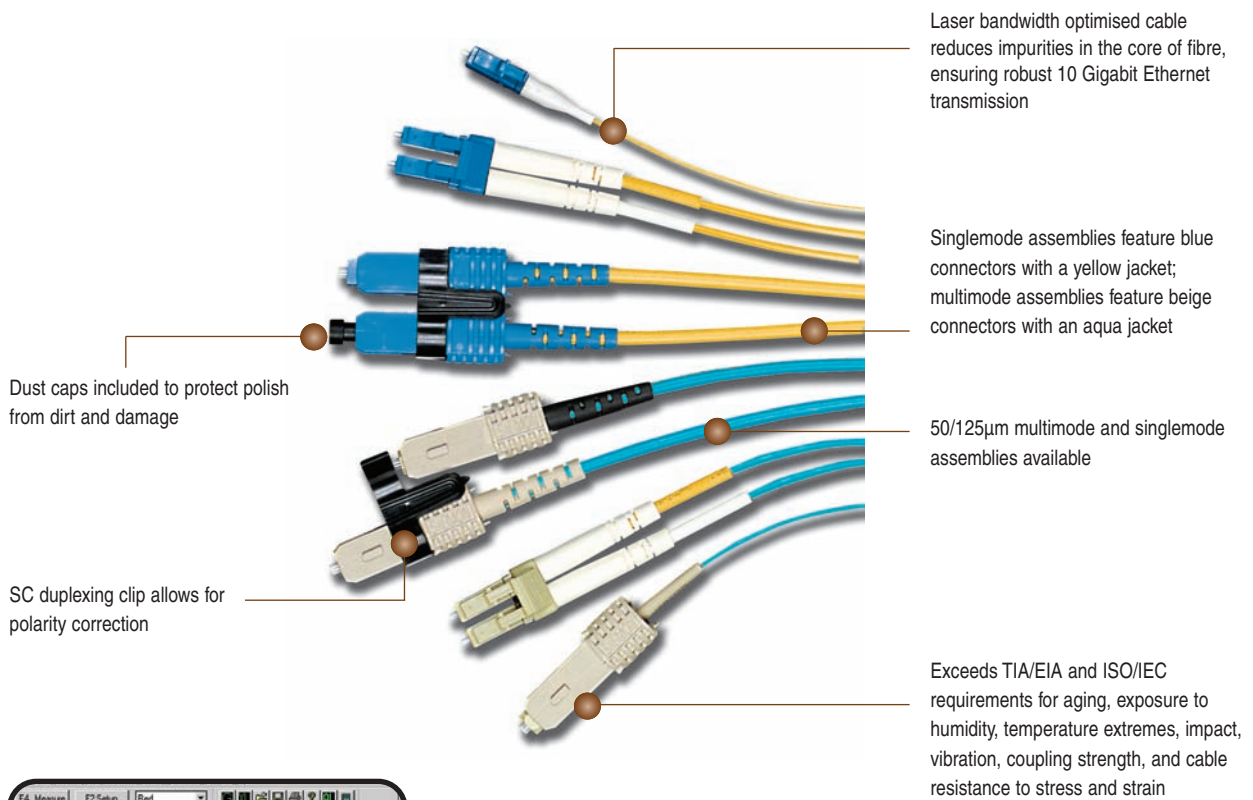# XGLO® Jumper & Pigtails

XGLO fibre optic cable assemblies are ideal for supporting 10 Gigabit fibre 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

Laser bandwidth optimised 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

Dust caps included to protect polish from dirt and damage

SC duplexing clip allows for polarity correction

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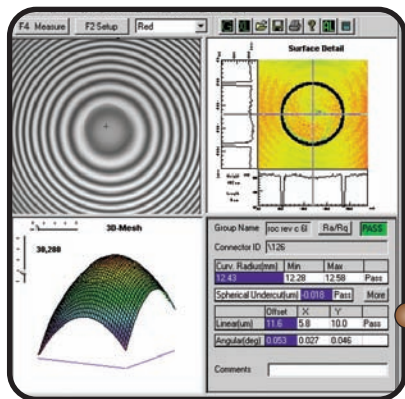
XGLO fibre optic cable assemblies meet all Telcordia and ISO/IEC specifications for ferrule end face geometry – including radius of curvature, apex offset, and spherical undercut. Compliance ensures minimum Return Loss, thereby reducing back reflection of laser energy which could degrade transmission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

SIEMON™

Product Information

PERFORMANCE SPECIFICATIONS

	50/125μm Multimode (OM3)			50/125μm Multimode (OM4)			Singlemode (OS2)
Wavelength (nm)	850	1300	850*	850	1300	850*	1310/1550nm
Min. Cable Bandwidth (MHz.km)	1500 (OFL)	500 (OFL)	2000 (EMB)	3500 (OFL)	500 (OFL)	4700 (EMB)	N/A
Max. Insertion Loss (dB)	0.25 (0.10 Typical)			0.25 (0.10 Typical)			0.40 (0.10 Typical)
Min. Return Loss (dB)	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 to 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, 02 = 2m, 03 = 3m, 05 = 5m

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 to 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.

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