

Fibre

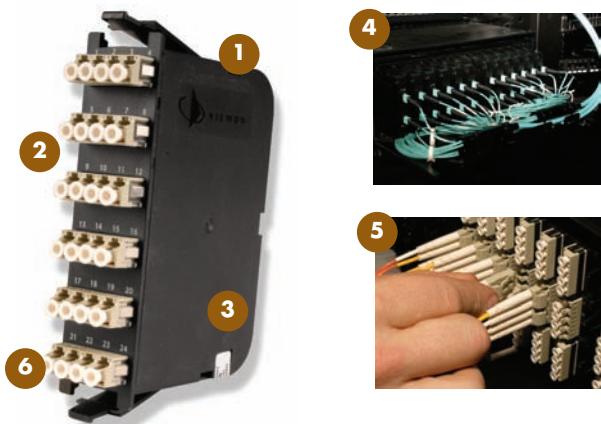
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Plug and Play Modules and Adapter Plates

SIEMON PLUG AND PLAY MODULES

Siemon LC to MTP® and SC to MTP Plug and Play modules provide a quick and efficient way to deploy up to 24 LC or 12 SC fibre ports in a single module. These factory terminated and tested ports are protected within the housing for reliably high performance and simply connected via 12-strand MTP ports. Modules are available in multimode (62.5/125, standard 50/125 and XGLO laser optimized 50/125 OM3/OM4) and singlemode cable.



- 1 Compact Housing**
Reduces mounting depth for greater cable management space within enclosures
- 2 Optimised Adapter Spacing**
Enables easy finger access to fibre jumper connector latches in high density patching environments
- 3 Durable and Lightweight**
High-impact molded plastic body with single-finger access
- 4 Recessed Base**
Allows cable to be fit under the modules for added cable management space when installed in the horizontal orientation (i.e. within FCP drawer)
- 5 Compatible with Existing Siemon Enclosures**
Fits within RIC, FCP and SWIC Siemon fibre enclosures and VersaPOD vertical patch panels
- 6 Multimode and Singlemode Modules**
Utilize zirconia ceramic sleeves for optimum optical performance

PP2-12-(XX)(X)-01 12 Port P&P Module with 1 MTP port, black

Fibre Type
5 = 50/125 Multimode
6 = 62.5 Multimode

Interface
5L = XGLO 300 50/125 Multimode/OM3
5V = XGLO 550 50/125 Multimode/OM4
SM = Singlemode

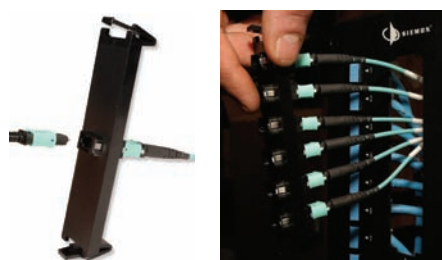
LC = LC
SC = SC

PP2-24-LC(X)-01 24 Port LC P&P Module with 2 MTP ports, black

Fibre Type
5 = 50/125 Multimode
6 = 62.5 Multimode
5L = XGLO 300 50/125 Multimode/OM3
5V = XGLO 550 50/125 Multimode/OM4
SM = Singlemode

MTP® ADAPTER PLATES

Siemon MTP Adapter Plates offer a user friendly “pass-through” option for MTP connectors. Fitting within Siemon’s fibre enclosures and VersaPOD™ vertical patch panels, these plates secure MTP connectors, allowing efficient implementation of MTP to MTP reels and extenders as well as MTP to LC Trunks for direct equipment and patching connections



- High Density**
Supports up to 96 fibres per adapter plate - providing up to 1152 fibres in 4U
- Flexible Configurations**
1, 2, 4, 6 and 8 port versions available, supporting both singlemode and multimode
- 40 Gb/s and 100 Gb/s Ready**
Enables simple upgrade path to future 40 Gb/s and 100 Gb/s applications over multimode 50/125 laser optimized fibre
- Popular RIC Adapter Footprint**
Fit within RIC, FCP and SWIC Siemon fibre enclosures and VersaPOD vertical patch panels



RIC-F-MP(XX)-01 MTP Adapter Plate, black

Fibre Count
12 = 12 (1 MTP adapter)
24 = 24 (2 MTP adapters)
48 = 48 (4 MTP adapters)
72 = 72 (6 MTP adapters)
96 = 96 (8 MTP adapters)

Plug and Play Cable Assemblies

MTP® TO MTP REELS AND EXTENDERS

Combining Siemon's reduced-diameter RazorCore™ cable with 12-fibre MTP connectors, Plug and Play Reels are designed to be quickly pulled and connected to Siemon Plug and Play Modules and MTP Adapter Plates. Custom configurable to precise application requirements, these reels efficiently put high-performance, high-density fibre connections exactly where you need them. Extenders offer Male MTP Connectors on one end and female MTP adapter on the other to allow field extension of MTP Reels.



Custom Configurations

Available from 12 to 144 fibre counts in increments of 12 fibres

Multiple FibreTypes

Available in multimode (62.5/125, standard 50/125 and laser optimised 50/125 OM3/OM4) and singlemode.

Reduced Pathway Fill

Siemon's RazorCore cable has significantly reduced cable O.D. resulting in less cable tray fill and pathway restrictions

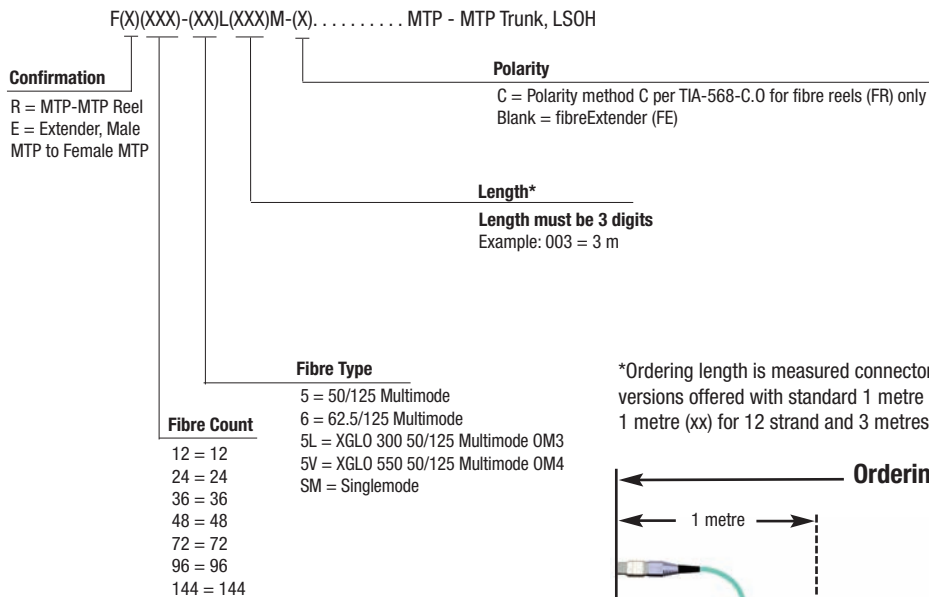
Protective Packaging

Dual shelf reel keeps unprotected connectivity away from harm during payout

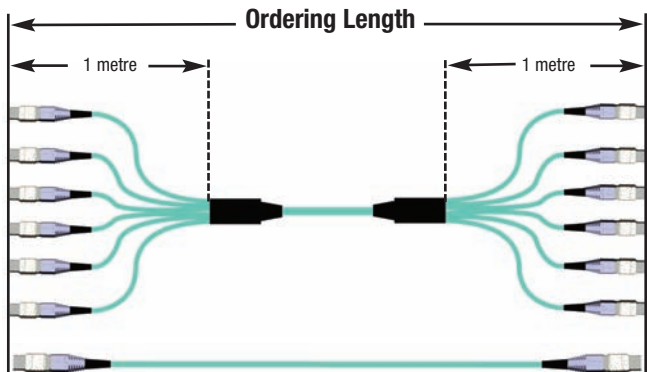
40 Gb/s and 100 Gb/s Ready

Enables simple upgrade path to future 40 Gb/s and 100 Gb/s applications over multimode 50/125 laser optimised fibre

Ordering Information

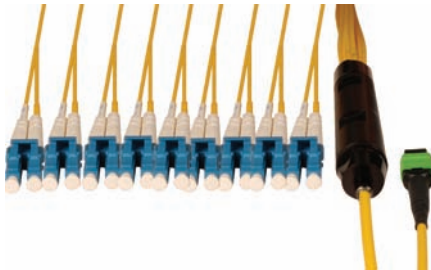


*Ordering length is measured connector tip to connector tip. Multi-leg versions offered with standard 1 metre legs. Minimum order length is 1 metre (xx) for 12 strand and 3 metres (xx) for 24 strands or greater



Plug and Play MTP® to LC Trunks

Utilizing high quality Siemon RazorCore cable, MTP to LC Trunks offer a connectivity transition from 12-fibre MTP connectors to duplex LC connectors. These may be implemented with Siemon's MTP Adapter Plates to provide flexible direct MTP to LC patching options over a wide a range of distances and infrastructure configurations.



Custom Configurations

Available from 12 to 144 fibre counts in increments of 12 fibers

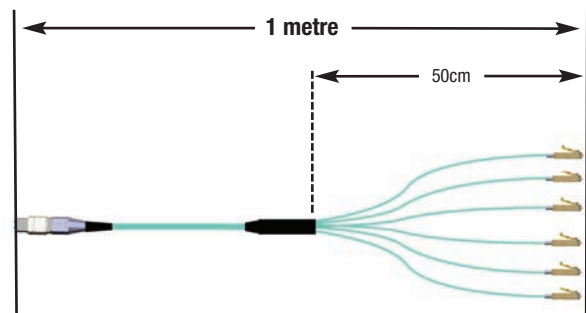
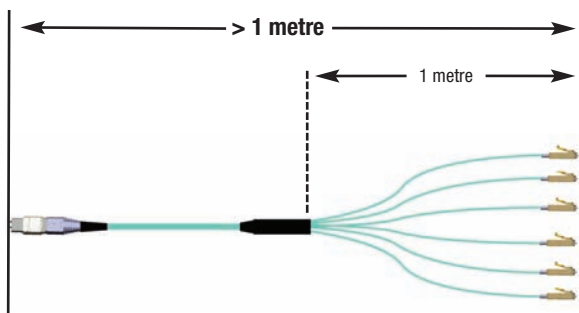
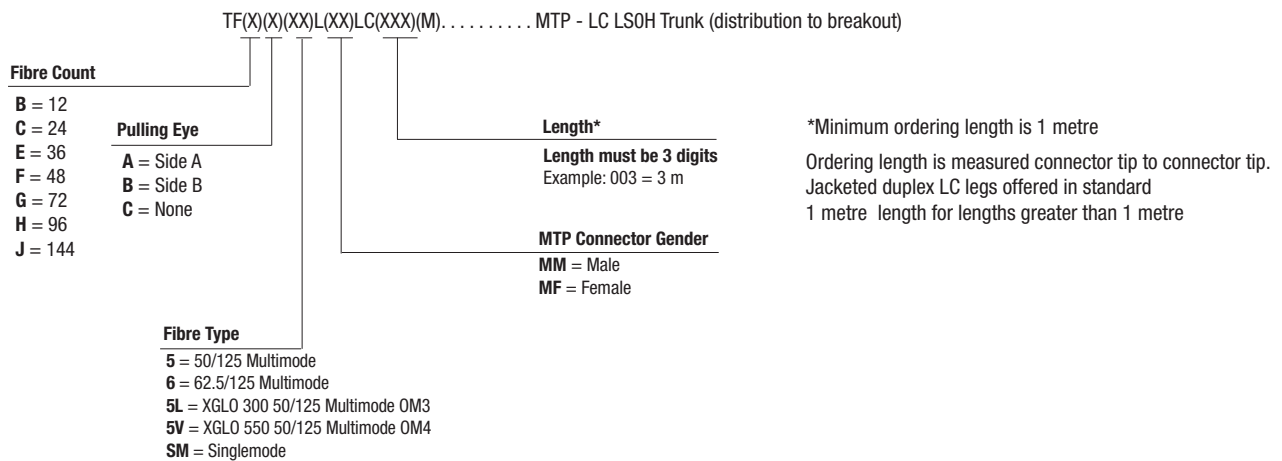
Multiple Fibre Types

Available in multimode (62.5/125, standard 50/125 and laser optimized 50/125 OM3/OM4) and singlemode.

Protective Packaging

Dual shelf reel keeps connectivity protected during payout

Ordering Information

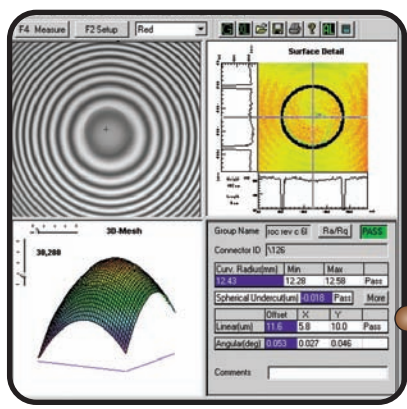
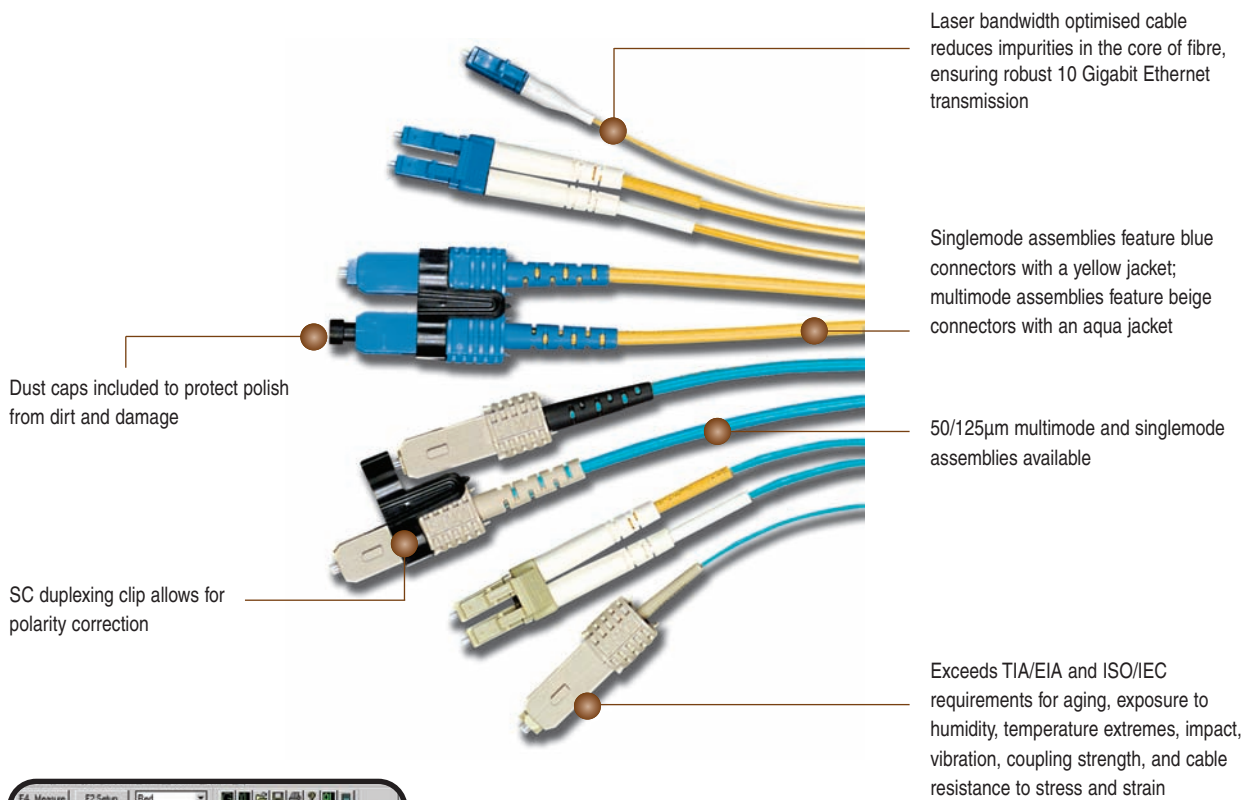


XGLO® Jumper & Pigtails

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-492AAD (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**



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

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)AQSC to SC aqua duplex jumper
 FJ2-LCLC5L-(XX)AQLC to LC aqua duplex jumper
 FJ2-LCSC5L-(XX)AQLC to SC aqua duplex jumper
 FJ2-SASA5L-(XX)AQST to ST aqua duplex jumper
 FJ2-SASC5L-(XX)AQST to SC aqua duplex jumper
 FJ2-LCSA5L-(XX)AQLC to ST aqua duplex jumper

Simplex Pigtails - 900 micron buffered

FP1B-SC5L-(XX)AQSC simplex pigtail, aqua
 FP1B-LC5L-(XX)AQLC simplex pigtail, aqua
 FP1B-SA5L-(XX)AQST simplex pigtail, aqua

XGLO 550 50/125µm Multimode, OM4

Duplex Jumpers:

FJ2-SCSC5V-(XX)AQSC to SC aqua duplex jumper
 FJ2-LCLC5V-(XX)AQLC to LC aqua duplex jumper
 FJ2-LCSC5V-(XX)AQLC to SC aqua duplex jumper

Simplex Pigtails - 900 micron buffered

FP1B-SC5V-(XX)AQSC simplex pigtail, aqua
 FP1B-LC5V-(XX)AQLC 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)AHSC to SC aqua duplex jumper
 FJ2-LCLC5L-(XX)AHLC to LC aqua duplex jumper
 FJ2-LCSC5L-(XX)AHLC to SC aqua duplex jumper
 FJ2-SASA5L-(XX)AHST to ST aqua duplex jumper
 FJ2-SASC5L-(XX)AHST to SC aqua duplex jumper
 FJ2-LCSA5L-(XX)AHLC to ST aqua duplex jumper

Simplex Pigtails - 900 micron buffered

FP1B-SC5L-(XX)AHSC simplex pigtail, aqua
 FP1B-LC5L-(XX)AHLC simplex pigtail, aqua
 FP1B-SA5L-(XX)AHST simplex pigtail, aqua

XGLO 550 50/125µm Multimode, OM4

Duplex Jumpers:

FJ2-SCSC5V-(XX)AHSC to SC aqua duplex jumper
 FJ2-LCLC5V-(XX)AHLC to LC aqua duplex jumper
 FJ2-LCSC5V-(XX)AHLC to SC aqua duplex jumper

Simplex Pigtails: 900 micron buffered

FP1B-SC5V-(XX)AHSC simplex pigtail, aqua
 FP1B-LC5V-(XX)AHLC simplex pigtail, aqua

XGLO Singlemode OS2 (UPC)

Duplex Jumpers:

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

Simplex Pigtails - 900 micron buffered

FP1B-SCUL-(XX)HSC simplex pigtail, yellow
 FP1B-LCUL-(XX)HLC simplex pigtail, yellow
 FP1B-SAUL-(XX)HST simplex pigtail, yellow

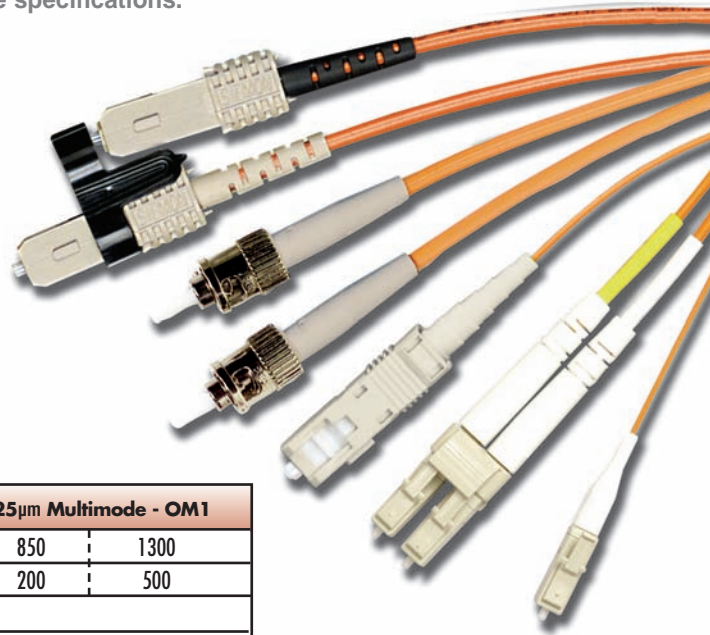
Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.

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

XGLO™ is a trademark of Siemon

LightSystem® Jumper & Pigtaills

Siemon offers a comprehensive line of multimode fibre jumpers and pigtaills for connecting fibre links. Assemblies are available in standard lengths of 1, 2, 3, and 5 metres, (custom lengths are also available). Each and every terminated connector is optically tested so that you can be assured that 100% of the Siemon-built cable assemblies meet stringent performance specifications.



PERFORMANCE SPECIFICATIONS

	50/125µm Multimode - OM2		62.5/125µm Multimode - OM1	
Wavelength (nm)	850	1300	850	1300
Min. Cable Bandwidth (MHz.km)	500	500	200	500
Max. Insertion Loss (dB)	0.50 (0.15 Typical)			
Min. Return Loss (dB)	25 (30 Typical)			

Ordering Information

OFNR

LightSystem Multimode Duplex Jumpers

- FJ2-SCSC(X)MM-(XX)SC-SC orange duplex jumper
- FJ2-SASA(X)MM-(XX)ST-ST orange duplex jumper
- FJ2-SASC(X)MM-(XX)ST-SC orange duplex jumper
- FJ2-LCLC(X)MM-(XX)LC-LC orange duplex jumper
- FJ2-LCSC(X)MM-(XX)LC-SC orange duplex jumper
- FJ2-LCSA(X)MM-(XX)LC-ST orange duplex jumper

LSOH (IEC 60332-3C)

LightSystem Multimode Duplex Jumpers

- FJ2-SCSC(X)MM-(XX)HSC to SC orange duplex jumper
- FJ2-SASA(X)MM-(XX)HST to ST orange duplex jumper
- FJ2-SASC(X)MM-(XX)HST to SC orange duplex jumper
- FJ2-LCLC(X)MM-(XX)HLC to LC orange duplex jumper
- FJ2-LCSC(X)MM-(XX)HLC to SC orange duplex jumper
- FJ2-LCSA(X)MM-(XX)HLC to ST orange duplex jumper

LightSystem Multimode Simplex Pigtaills: 900 micron buffered

- FP1B-SC(X)MM-(XX)SC simplex pigtail, orange
- FP1B-SA(X)MM-(XX)ST simplex pigtail, orange
- FP1B-LC(X)MM-(XX)LC simplex pigtail, orange

LightSystem Multimode Simplex Pigtaills: 900 micron buffered

- FP1B-SC(X)MM-01HSC simplex pigtail, orange
- FP1B-SA(X)MM-01HST simplex pigtail, orange
- FP1B-LC(X)MM-01HLC simplex pigtail, orange

Use (X) to specify multimode fibre type: "6" = 62.5/125µm (OM1); 5 = 50/125µm (OM2)

Use (XX) to specify length: 01 = 1m, 02 = 2m, 03 = 3m, 05 = 5m

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.

LightSystem™ is a trademark of Siemon

LightSystem® Jumper & Pigtails

ValuLight jumpers and pigtails provide exceptional value at a very competitive price. ValuLight fibre cable assemblies meet TIA-568-C.3 and ISO/IEC 11801 specifications for insertion loss and return loss. They are ideal for commercial cabling data applications up to and including 1 Gigabit.

PERFORMANCE SPECIFICATIONS					
	50/125µm OM2 MULTIMODE		62.5/125µm OM1 MULTIMODE		OS2 SINGLEMODE
Wavelength (nm)	850	1300	850	1300	1310/1550
Min. Cable Bandwidth (MHz.km)	500	500	200	500	n/a
Max. Insertion Loss (dB)	0.75 (0.15 Typical)				0.75 (0.25 Typical)
Min. Return Loss (dB)	20 (25 Typical)				50 (55 Typical)

Ordering Information

MULTIMODE DUPLEX JUMPERS

Part #	Description
J2-SCSC(X)-(XX)	SC to SC orange duplex jumper, OFNR
J2-SASA(X)-(XX)	ST to ST orange duplex jumper, OFNR
J2-SASC(X)-(XX)	ST to SC orange duplex jumper, OFNR
J2-LCLC(X)-(XX)	LC to LC orange duplex jumper, OFNR
J2-LCSC(X)-(XX)	LC to SC orange duplex jumper, OFNR
J2-LCSA(X)-(XX)	LC to ST orange duplex jumper, OFNR

Use (X) to specify fibre type: 5 = 50/125µm OM2, 6 = 62.5/125µm OM1

Use (XX) to specify length:

01 = 1m, 02 = 2m, 03 = 3m, 05 = 5m

MULTIMODE PIGTAILS

Part #	Description
P1B-SC(X)-01	SC orange simplex pigtail, 900 micron, buffered, 1m
P1B-SA(X)-01	ST orange simplex pigtail, 900 micron, buffered, 1m
P1B-LC(X)-01	LC orange simplex pigtail, 900 micron, buffered, 1m

Use (X) to specify fibre type: 5 = 50/125µm OM2, 6 = 62.5/125µm OM1

SINGLEMODE OS2 DUPLEX JUMPERS

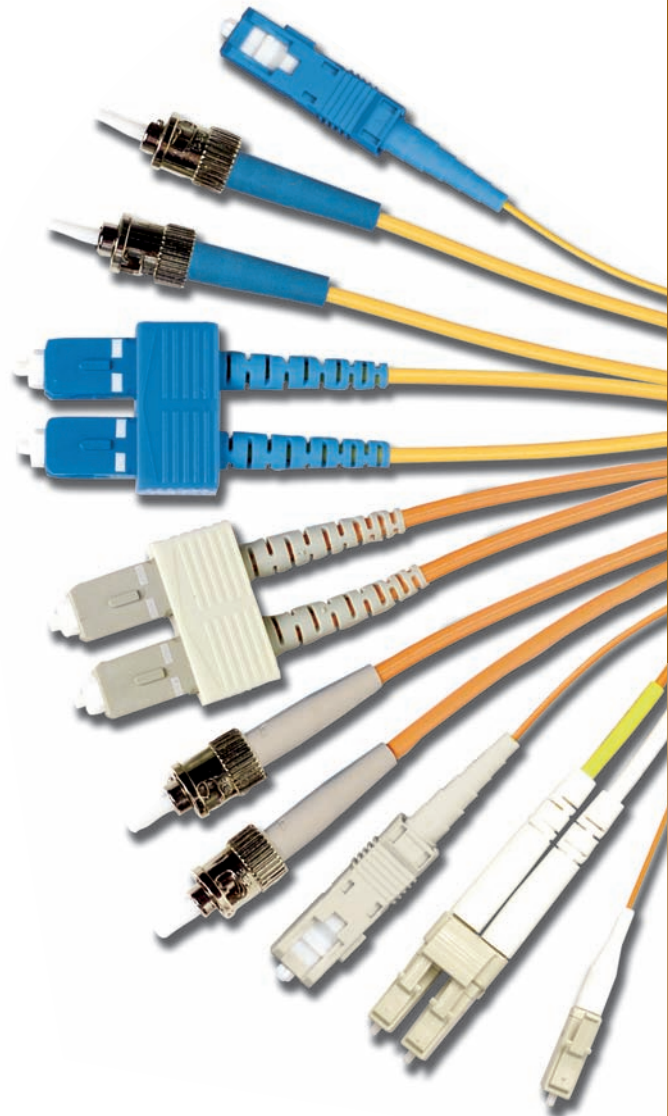
Part #	Description
J2-SCSCP-(XX)	SC to SC yellow duplex jumper, OFNR
J2-SASAP-(XX)	ST to ST yellow duplex jumper, OFNR
J2-SASCP-(XX)	ST to SC yellow duplex jumper, OFNR
J2-LCLCP-(XX)	LC to LC yellow duplex jumper, OFNR
J2-LCSCP-(XX)	LC to SC yellow duplex jumper, OFNR
J2-LCSAP-(XX)	LC to ST yellow duplex jumper, OFNR

Use (XX) to specify length:

01 = 1m, 02 = 2m, 03 = 3m, 05 = 5m

SINGLEMODE OS2 PIGTAILS

Part #	Description
P1B-SCP-01	SC yellow simplex pigtail, 900 micron, buffered, 1m
P1B-SAP-01	ST yellow simplex pigtail, 900 micron, buffered, 1m
P1B-LCP-01	LC yellow simplex pigtail, 900 micron, buffered, 1m



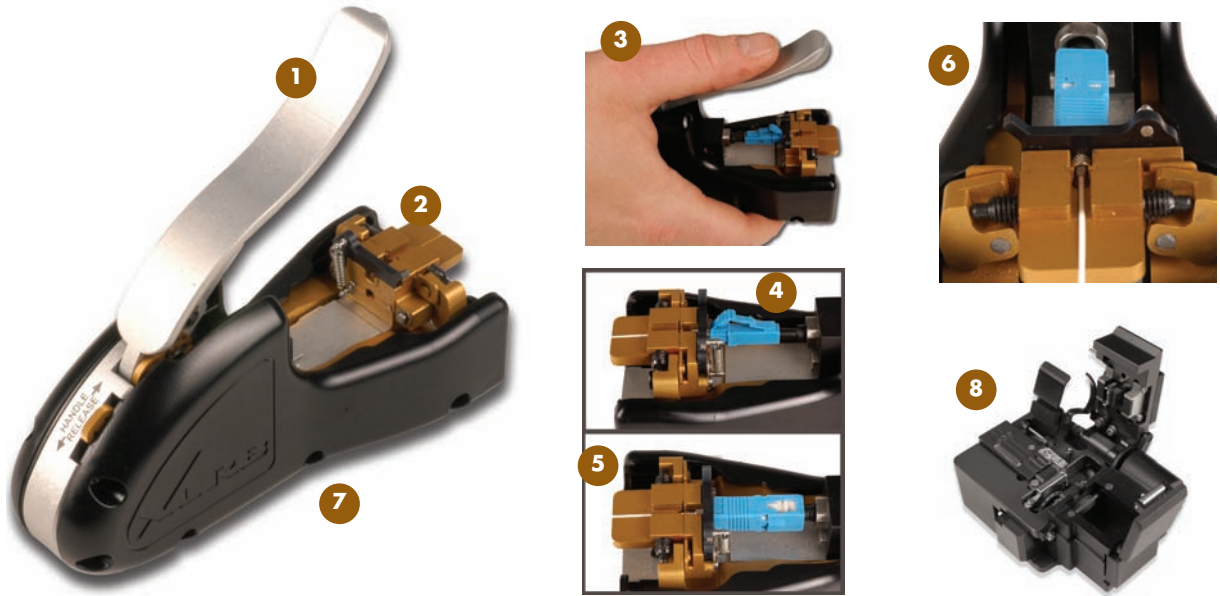
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ValueLight™ is a trademark of Siemon

XLR8™ Fibre Termination Kit

Siemon's XLR8 mechanical splice termination kit incorporates an exclusive dual-process activation tool which dramatically reduces termination time per connector. This process is intended for use with 900µm tight buffered fibre cables.



- 1 Single Step Termination** – XLR8 tool combines both splice activation and mechanical crimp into a single, optimised step
- 2 Robust Process** – Single-step termination eliminates the need to handle the connector between splice and crimp processes, maintaining integrity of the splice
- 3 Flexible Ergonomics** – Tool optimised for use in handheld or table-top orientation
- 4 Reduced Risk of Polish Contamination** – All termination steps completed with connector dust cap in place
- 5 Universal LC/SC Compatibility** – Tool terminates both LC and SC connectors with no time-consuming changeover required
- 6 Fibre Alignment Aid** – Smooth alignment channel simplifies fibre insertion and avoids damage to fibre end face
- 7 Validated** – XLR8 tool has been validated for over 500,000 cycles
- 8 Precision Cleaver** – Kit features a user-friendly fibre cleaver designed to provide clean, precise and high performance cleaves on an array of fibre types

Ordering Information

Part #	Description
FTERM-XLR8	XLR8 fibre termination kit

Kit Includes:

- Activation tool
- Jacket stripper
- Buffer stripper
- Scissors
- Precision cleaver
- Strip template
- Marker
- Alcohol pads
- Electrical tape
- Convenient carrying case

Replacement Parts

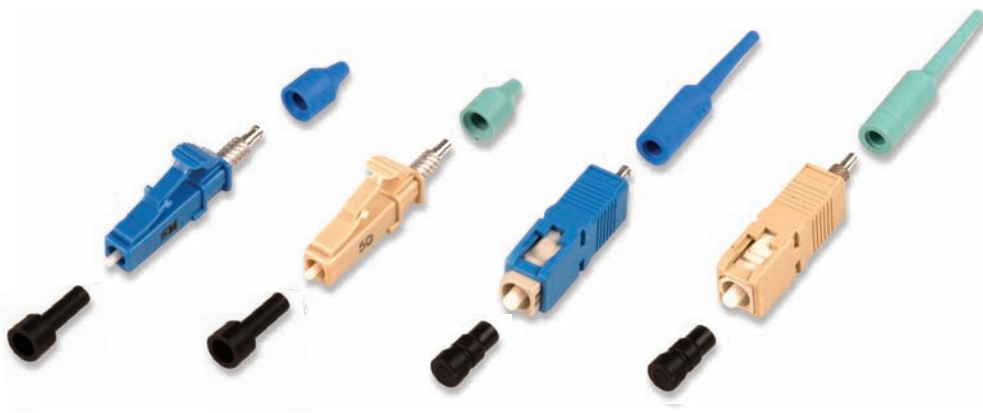
Part #	Description
FTERM-XLR8-A	Fibre activation tool, replacement
FTERM-XLR8-C2	Precision fibre cleaver, replacement



Visit www.siemon.com for installation instructions and demonstration

XLR8™ Pre-Polished Connectors

Combined with the patent-pending XLR8 activation tool, Siemon's new pre-polished XLR8 mechanical splice connectors can be deployed with unsurpassed termination speed and quality. Available in both LC and SC configurations, these connectors support both the multimode and singlemode versions of Siemon's 10 Gb/s XGLO® and Gigabit LightSystem® solutions.



Optical Performance

Insertion Loss

- SM: 0.20dB Typ
- MM: 0.20dB Typ

Return Loss

- SM: -55dB Typ
- MM: -37dB Typ

Fewer Termination Steps – XLR8 SC connectors ship factory-assembled, eliminating time-consuming field assembly of inner and outer connector bodies

Enhanced Splice Integrity – XLR8 connector termination process combines splicing and crimping in a single step, eliminating connector handling that can impact splice integrity

Robust Polish Protection – Entire connector termination process is completed with dust-cap in place, protecting the critical end face polish from contamination

High Quality Performance – Exceeds TIA standards for optical performance and fibre retention strength

Ordering Information

Part #	Description
LC Multimode	
FC1M-LC-5L-B12	LC Simplex connector, 50/125µm laser optimised, 900µm buffered fibre*, aqua boot (XGLO)
FC1M-LC-6MM-B80	LC Simplex connector, 62.5/125µm multimode, 900µm buffered fibre*, beige boot (LightSystem)
FC1M-LC-5MM-B01	LC Simplex connector, 50/125µm multimode, 900µm buffered fibre*, black boot (LightSystem)
LC Singlemode	
FC1M-LC-SM-B06	LC Simplex connector, singlemode, 900µm buffered fibre*, blue boot (XGLO and LightSystem)
SC Multimode	
FC1M-SC-5L-B12	SC Simplex connector, 50/125µm laser optimized, 900µm buffered fibre*, aqua boot (XGLO)
FC1M-SC-6MM-B80	SC Simplex connector, 62.5/125µm multimode, 900µm buffered fibre*, beige boot (LightSystem)
FC1M-SC-5MM-B01	SC Simplex connector, 50/125µm multimode, 900µm buffered fibre*, black boot (LightSystem)
SC Singlemode	
FC1M-SC-SM-B06	SC Simplex connector, singlemode, 900µm buffered fibre*, blue boot (XGLO and LightSystem)



* For use with 900µm tight buffer terminations only - Fan-out kits to transition from 250µm to 900µm cannot be used with XLR8 connectivity.

SC and ST Epoxy Polish Connectors

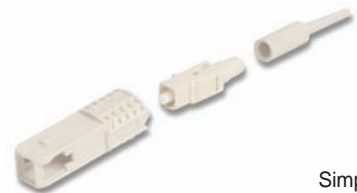
SC EPOXY POLISH CONNECTORS

SC duplex connectors have a duplexing clip, which allows each connector to be removed individually. In the event fibre polarity is reversed during termination, there's no need to discard the connector. Simply remove connectors from the clip and switch to correct the mistake, saving valuable installation time and money. The duplexing clip also speeds troubleshooting. In the event there's a fault with a single connection, an individual connector can be removed from the clip and re-terminated without disturbing the adjacent connector.

SC connectors employ an outer housing that is colour-coded in accordance with TIA/EIA-568-B.3 and ISO/IEC 11801 Ed. 2.0 requirements (beige for multimode and blue for singlemode).

MULTIMODE (XGLO® and LightSystem®)

Part #	Description
FC1-SC-MM-J80	SC simplex connector, jacketed fibre, beige boot
FC1-SC-MM-B80	SC simplex connector, buffered fibre, beige boot
FC2-SC-MM-B80	SC duplex connector, buffered fibre, two beige boots
FC2-SC-MM-J	SC duplex connector, jacketed fibre, one black boot and one beige boot



Simplex

ⓑ Add "-B" to the end of part number for bulk pack (Simplex: 100/box, Duplex: 50/box).

SINGLEMODE (XGLO)

Part #	Description
FC1-SC-SM-B06	SC simplex connector, buffered fibre, blue boot
FC1-SC-SM-J06	SC simplex connector, jacketed fibre, blue boot
FC2-SC-SM-B06	SC duplex connector, buffered fibre, two blue boots
FC2-SC-SM-J06	SC duplex connector, jacketed fibre, blue boot



Duplex

ⓑ Add "-B" to the end of part number for bulk pack (Simplex: 100/box, Duplex: 50/box).

ST EPOXY POLISH CONNECTORS

The ST connector employs a rugged metal bayonet coupling ring with radial ramps which facilitate engagement to the studs of the mating adapter. Two ST connectors are available for jacketed fibre, one with a beige boot and one with a black boot. The two colours enable easy identification of the fibres when terminating individual connectors to form a duplex jumper.

MULTIMODE (XGLO and LightSystem)

Part #	Description
FC1-SA-MM-J80	ST simplex connector, jacketed fibre, beige boot
FC1-SA-MM-B80	ST simplex connector, buffered fibre, beige boot



Buffered

ⓑ Add "-B" to the end of part number for bulk pack (100/box).

SINGLEMODE (XGLO)

Part #	Description
FC1-SA-SM-J06	ST simplex connector, jacketed fibre, blue boot
FC1-SA-SM-B06	ST simplex connector, buffered fibre, blue boot



Jacketed

ⓑ Add "-B" to the end of part number for bulk pack (100/box).

**LC EPOXY POLISH CONNECTORS
(XGLO® & LIGHTSYSTEM®)**

Siemon LC products offer all the benefits of SC and ST connections in a Small Form Factor (SFF), high-density design. LC adapter products are compatible with our popular MAX®, CT, FOB, and MX-SM work area and telecommunications room products, providing a wide variety of installation options. LC connectors take just two minutes to terminate, using the Siemon *LightSpeed*® Termination Kit.



MULTIMODE

Part #	Description
FC1-LC-MM-B80	LC simplex connector, beige, multimode, buffered fibre, beige boot
FC2-LC-MM-J80	LC duplex connector, beige, multimode, jacketed fibre, beige boots

SINGLEMODE

Part #	Description
FC1-LC-SM-B02	LC simplex connector, blue, singlemode, buffered fibre, white boot
FC1-LC-SM-J02	LC simplex connector, blue, singlemode, jacketed fiber, white boot

LIGHTSPEED® ST, SC FIBRE TERMINATION KIT

Achieve faster fibre terminations and higher performance with Siemon's *LightSpeed* Termination Kit. The Siemon fibre termination kit contains all the tools required for termination of multimode or singlemode ST or SC connectors — packaged in a rugged canvas carrying case. Use the optional LC Upgrade Kit (see below) for LC connector terminations. All consumables must be ordered separately as noted below.*



Part #	Description
FTERM-L2	<i>LightSpeed</i> Fibre Termination Kit for ST and SC multimode connectors*

*Note: Select tools and other termination products supplied with the kit can be ordered separately.
All consumables including primer, adhesive and polishing films are contained in the consumables kit and must be ordered separately.

LC FIBRE TERMINATION LIGHTSPEED® UPGRADE KIT

The Siemon LC upgrade kit is used in conjunction with the *LightSpeed* Termination Kit (FTERM-L2) and has all the accessories to terminate LC connectors using Siemon's exclusive *LightSpeed* adhesive. The kit includes an LC microscope head (that attaches to the microscope included with the FTERM-L2), an LC polishing puck and a micro-torch* (to shrink the colour-coded LC crimp sleeve tubing).

Part #	Description
FTERM-LC	LC Fibre Termination Upgrade Kit (used in conjunction with FTERM-L2)

*Note: Contents of FTERM-LC are also available individually.
Contact our Customer Service Department for more information.
Butane fuel not included.



LIGHTSPEED® FIBRE CONSUMABLES KIT

Siemon's *LightSpeed* fibre terminations consumables kit features a premium abrasive film to polish ceramic ferrules and glass at the same level, at a consistent rate. The films have been qualified to assure exceptional insertion and return loss results when used in accordance with our instructions.

Part #	Description
FT-CKIT-L2*	Consumables kit for use with fibre termination kit (FTERM-L2). Includes enough consumables to perform a minimum of 200 multimode or singlemode terminations

Individual components may be ordered separately as replacements. Part numbers listed below.

FT-PRBOTL	Primer bottle (3.5mL)
FT-ADH-L*	Adhesive Syringe (5cc)
FT-ALPAD	Alcohol pads
FT-WIPES	Dry lint-free wipes
FT-SYRMTIP	Syringe tip needles w/covers
FT-PF12	12µm air polish film, grey
FT-PF3	3µm polish film, pink
FT-PF1	1µm polish film, purple
FT-FF	Finishing film, white
FT-PF6**	6µm recovery film, bronze



**This product contains material with a time and temperature sensitive shelf life. Store between 40 – 100 degrees F (4.4 – 38.5°C) and verify expiration date marked on product prior to use*

***This recovery film is optional and not included with the consumables kit.*

REPLACEMENT TOOLS FOR FIBRE TERMINATION KITS

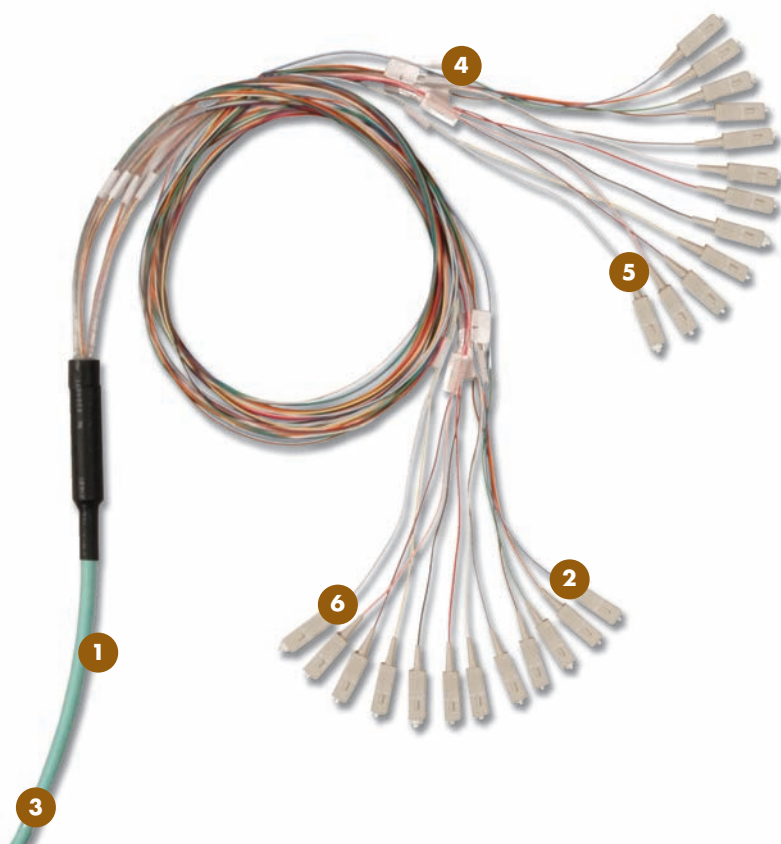
Siemon offers a full line of replacement tools in the event that a tool is lost or has used up its life expectancy. The tools available are the exact tools provided in our fibre termination kits.

Part #	Description
FT-MS400	400X power microscope
FT-SCRIBE	Double bladed fibre cleaver
CI-SCISSORS	Electrician scissors
FT-CRIMP	Crimp tool w/3-position die for ST/SC/LC
FT-PAD	152.4mm (6 in.) x 152.4mm (6 in.) polishing pad
FT-PUCK	SC/ST compatible polishing puck
FT-TMPL	Template for SC/ST and LC connectors
FT-JSTRP	Jacket stripper
FT-BSTRP	Buffer stripper
FT-LCPUCK	Duplex LC Polishing Puck
FT-MSLC2HEAD	Duplex LC Scope Adapter



XGLO™ & LightSystem® Fibre Trunking Cable Assemblies

Siemon's fibre trunking cable assemblies provide an efficient and cost effective alternative to individual field-terminated components. Combining factory terminated connectors with Siemon cable in a high-performance cable assembly, Siemon fibre trunking cable assemblies were designed with Local Area Networks (LAN), Data Centers and Storage Area Networks (SAN) applications in mind. These assemblies allow up to 75% faster field installation times. Standard configurations also help maintain consistent cable layout and facilitate efficient moves, adds and changes. These precision cable assemblies are warranted for 20 years, 100% inspection ensures superior performance and quality. SC, LC and SC-LC hybrids available.



- 1 Siemon Cable** – Utilises high quality Siemon cable in both armored and non-armored choice of construction
- 2 Proper Orientation** – Each leg is designated for proper connector orientation
- 3 Identification** — Each cable assembly is coded with a unique identification number for administrative purposes

- 4 Custom Assembly** – Fibre assemblies can be created based on a flexible part number scheme for performance options to best suit each installation
- 5 Factory Terminated and Tested** – Every fibre cable assembly is factory terminated and tested for premium performance
- 6 Superior Design** – Each cable assembly utilises an epoxy breakout with spiral wrap to protect the fibres when entering an enclosure



Pulling Eye

An optional encapsulated protection sleeve with cable pulling eye protects the fibre during installation.



Enclosure Compatibility

Siemon fibre trunking assemblies are compatible with all Siemon fibre enclosures.

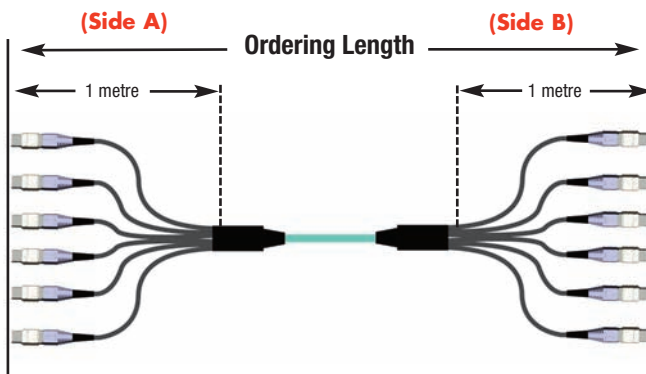
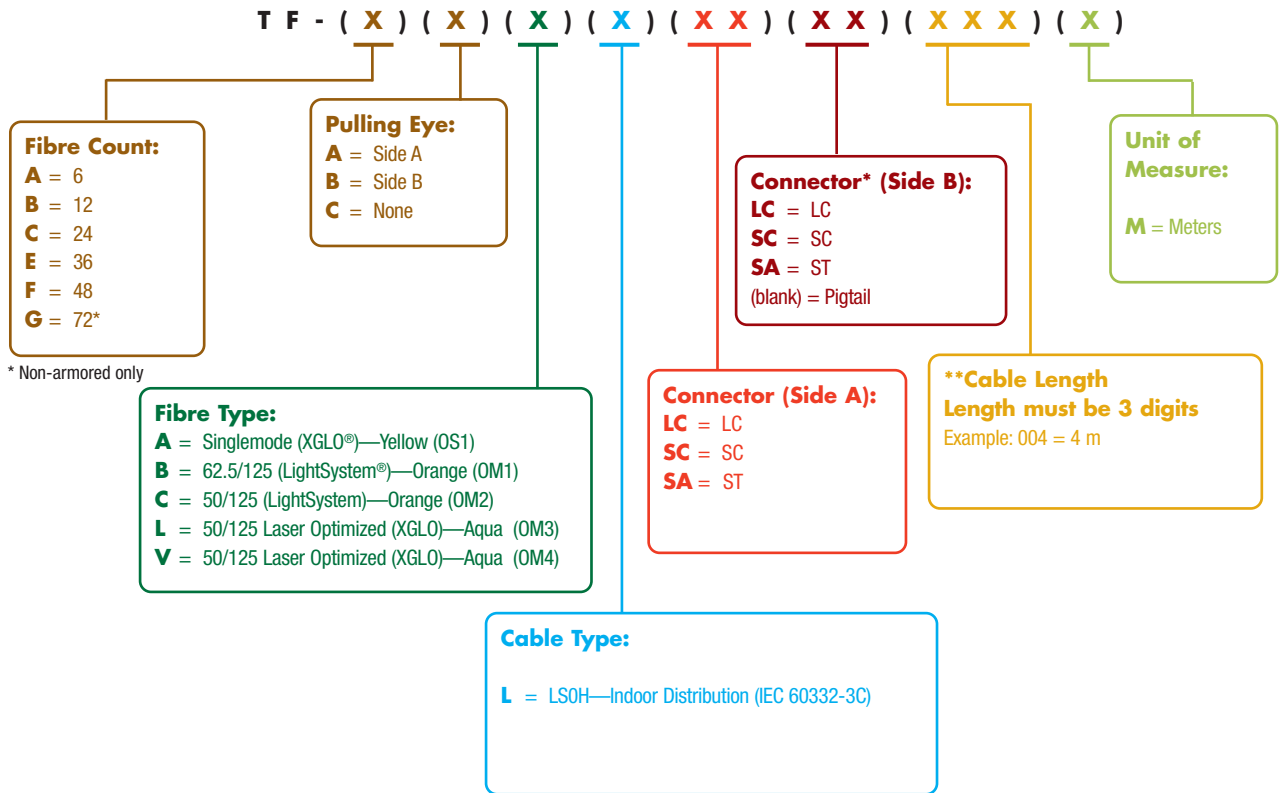


Protective Packaging

Each assembly is individually packaged to protect factory terminations.

See ordering information next page

Fibre Trunking Cable Assemblies



**Ordering length is measured connector tip to connector tip.
 900 micron, buffered, 1m breakout. Minimum order length is 4 metres.

Note: These products are made to order. Call for lead time and availability.

Fibre Trunking Cable Assemblies

CABLE — Optical and Physical Specifications

Cable Type	Multimode				
	LightSystem® 62.5/125µm (OM1) (850/1300 nm)	LightSystem® 50/125µm (OM2) (850/1300 nm)	**XGLO® 50/125µm (OM3) (850/1300 nm)	**XGLO® 50/125µm (OM4) (850/1300 nm)	XGLO Singlemode (OS1) (1310/1550 nm)
Fibre Cable Attenuation, Max (dB/km)	3.5/1.0	3.5/1.0	3.5/1.0	3.0/1.0	0.5/0.5*
OFL Bandwidth, min (MHz*km)	200/500	500/500	1500/500	3500/500	N/A
Effective Modal Bandwidth, min (MHz*km)	N/A	N/A	2000/NS	4700/NS	N/A
Cable Outer Jacket Colour	Orange	Orange	Aqua	Aqua	Yellow
Break-Out Colours: Single Fibre Strands**	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua				
Sub-Unit Colours and/or Markings**	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua				

*XGLO singlemode fibre meets Low Water Peak specifications per ITU-T G.652.C/D

** XGLO multimode cable 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 Different Mode Delay (DMD) specifications.

CONNECTORS — Optical Specifications

Fibre Type	Performance Class	Max Insertion Loss (dB)	Min Return Loss (dB)
62.5/125µm Multimode (OM1)	LightSystem	0.65 (0.15 Typical)	25 (30 Typical)
50/125µm Multimode (OM2)	LightSystem	0.65 (0.15 Typical)	25 (30 Typical)
50/125µm Laser Optimized (OM3, OM4)	XGLO	0.25 (0.10 Typical)	30 (35 Typical)
Singlemode (OS1)	XGLO	0.40 (0.25 Typical)	55 (57 Typical)

CONNECTORS — Physical Specifications

Connector Type	IEC Intermateability Compliance	TIA Intermateability Compliance	Housing Color		Boot Color	
			SM	MM	SM	MM
SC	IEC 60874-14	TIA/EIA-604-3	Blue	Beige	Blue	Beige
ST	IEC 60874-10	TIA/EIA-604-2	N/A	N/A	Blue	Beige
LC	IEC 61754-20	TIA/EIA-604-10	Blue	Beige	White	White

CABLE DIAMETERS BY FIBRE COUNT (ALL VALUES ARE NOMINAL)

Cable Type	Fibre Strand Count	Sleeve Diameter mm (in.)	Cable Diameter mm (in.)	Minimum Bend Radius mm (in.)	Required Duct Diameter mm (in.)	Maximum Pull Force kg (Pounds)
Non-Armored	6	44.5 (1.75)	5.8 (0.23)	15x cable diameter	70 (2.75)	45.4 (100)
	12	44.5 (1.75)	5.8 (0.23)	15x cable diameter	70 (2.75)	45.4 (100)
	24	44.5 (1.75)	8.8 (0.40)	15x cable diameter	70 (2.75)	45.4 (100)
	36	63.5 (2.5)	16.5 (0.65)	20x cable diameter	90 (3.5)	45.4 (100)
	48	63.5 (2.5)	16.0 (0.63)	20x cable diameter	90 (3.5)	45.4 (100)
Armored	72	63.5 (2.5)	19.5 (0.77)	20x cable diameter	90 (3.5)	45.4 (100)
	12	44.5 (1.75)	13.0 (0.51)	15x cable diameter	90 (3.5)	45.4 (100)
	24	44.5 (1.75)	14.8 (0.584)	15x cable diameter	90 (3.5)	45.4 (100)

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.

LightSystem® & XGLO® are trademarks of Siemon

XGLO™ & LightSystem® Indoor / Outdoor Tight Buffer (International)

Siemon LSOH indoor/outdoor tight buffer cables are ideal for data centers, campus and building backbones. Siemon fibre optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet, Gigabit ATM and fibre Channel.

Ordering Information

XGLO Multimode 50/125 OM3, OM4, Singlemode OS2, LightSystem Multimode 62.5/125 OM1, 50/125 OM2

Part #	Fibre Count	Construction
9GD(X)H004C-(XXXX)M	4	1 tube of 4 fibres
9GD(X)H006D-(XXXX)M	6	1 tube of 6 fibres
9GD(X)H008E-(XXXX)M	8	1 tube of 8 fibres
9GD(X)H012G-(XXXX)M	12	1 tube of 12 fibres

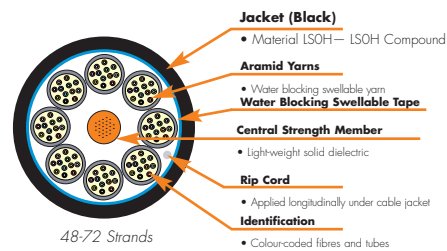
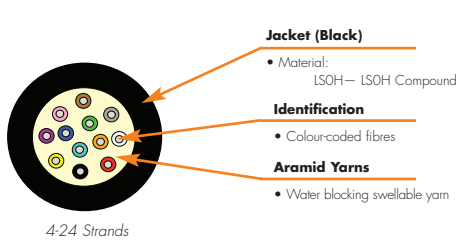
Part #	Fibre Count	Construction
9GD(X)H016K-(XXXX)M	16	1 tube of 16 fibres
9GD(X)H024L-(XXXX)M	24	1 tube of 24 fibres
9GD(X)H048G-(XXXX)M	48	4 tubes of 12 fibres
9GD(X)H072G-(XXXX)M	72	6 tubes of 12 fibres

Use 1st (X) to specify fibre type: 5 = 50/125µm, 6 = 62.5/125µm, 5 = 50/125µm Laser Optimized, 8 = Singlemode

Use (XXXX) to specify class performance: G101 = OM1 62.5µm, T101 = OM2 50µm, T301 = OM3 50µm Laser Optimised, T501 = OM4 50µm Laser Optimised, E201 = OS2 Singlemode

Note: Contact Siemon Customer Service for cables available in fixed reel lengths.

M= meters, 1=1000 meter, 5= 500 meter



XGLO Singlemode, OS2		XGLO (550) Multimode, 50/125, OM4		XGLO Multimode (300) 50/125, OM3		LIGHTSYSTEM Multimode 50/125, OM2; 62.5 OM1	
STANDARDS COMPLIANCE		STANDARDS COMPLIANCE		STANDARDS COMPLIANCE		STANDARDS COMPLIANCE	
<ul style="list-style-type: none"> ISO/IEC 11801:Ed 2.0 Amendment:1:2008 ANSI/TIA/EIA-568-B.3 Telcordia GR-409-CORE ITU-T G.652.D IEC 60332-3 IEC 60332-1-2 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) 		<ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ISO/IEC 11801:2002 Amendment 2 OM4 ANSI/TIA/EIA-568-C.3 ANSI/TIA-492 AAAD IEC 60793-2-10 fibreType A1 a.3 Telcordia GR-409-CORE IEC 60332-3 IEC 60332-1-2 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) 		<ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ANSI/TIA/EIA-568-B.3 ANSI/TIA/EIA-568-B.3-1 ANSI/TIA-492 AAAC Telcordia GR-409-CORE IEC 60332-3 IEC 60332-1-2 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) 		<ul style="list-style-type: none"> ISO/IEC 11801:2002 OM1 (62.5/125) ISO/IEC 11801:2002 OM2 (50/125) ANSI/TIA/EIA-568-B.3 ANSI/TIA-598-C ANSI/TIA-492 AAAB Telcordia GR-409-CORE IEC 60332-3 IEC 60332-1-2 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) 	
APPLICATIONS SUPPORT		APPLICATIONS SUPPORT		APPLICATIONS SUPPORT		APPLICATIONS SUPPORT	
APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)
10GBASE-L (1310 nm)	8,000	10GBASE-SX (850 nm)	550	10GBASE-SX (850 nm)	300	10GBASE-SX (850 nm)	
10GBASE-E (1550 nm)	30,000	10GBASE-LX4 (1300 nm)	300	10GBASE-LX4 (1300 nm)	300	50/125µm	82
10G Fibre Channel (Serial-1310 nm)	10,000	1000BASE-SX (850 nm)	1000	1000BASE-SX (850 nm)	900	62.5/125µm	26
10G Fibre Channel (WDM-1310 nm)	10,000	1000BASE-LX (1300 nm)	600	1000BASE-LX (1300 nm)	600	1000BASE-SX (850 nm)	
1000BASE-LX (1300 nm)	5,000	Fibre Channel 266 (1300 nm)	1,500	Fibre Channel 266 (1300 nm)	1,500	50/125µm	550
Fibre Channel 266/1062 (1300 nm)	10,000	ATM 622 (1300 nm)	500	ATM 622 (1300 nm)	500	62.5/125µm	275
ATM 52/155/622 (1300 nm)	15,000	ATM 155 (1300 nm)	2,000	ATM 155 (1300 nm)	2,000	1000BASE-LX (1300 nm)	550
		ATM 52 (1300 nm)	3,000	ATM 52 (1300 nm)	3,000	Fibre Channel 266 (1300 nm)	1,500
		FDD1 (Original-1300 nm)	2,000	FDD1 (Original-1300 nm)	2,000	ATM 622 (1300 nm)	500
		100BASE-FX (1300 nm)	2,000	100BASE-FX (1300 nm)	2,000	ATM 155 (1300 nm)	2,000
						ATM 52 (1300 nm)	3,000
						FDD1 (Original-1300 nm)	2,000
						100BASE-FX (1300 nm)	2,000

XGLO™ 10 Gigabit Ethernet Fibre Optic Cable

Minimum Performance Parameters for XGLO 50/125µm Multimode Fibre

Fibre Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz • km)		Maximum Attenuation (dB/km)		Group Index of Refraction	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	900	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.0	1.483	1.479
50/125 (OM4)	1040	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.0	1.0	1.483	1.479

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode fibre

Fibre Type	Wavelength (nm)	Maximum Attenuation (dB/km)	Zero Dispersion Wavelength (nm)	Zero Dispersion Slope (nm ² -km)	Index of Refraction
Singlemode (OS2)	1310	0.40	1312 ± 10	≤0.089	1.468
	1550	0.30	1312 ± 10	≤0.089	1.468
	1310-1625	<0.40	1312 ± 10	≤0.089	1.468

LightSystem® Gigabit Ethernet Fibre Optic Cable

Minimum Performance Parameters for LightSystem 50/125µm & 62.5/125µm Multimode Fibre

Fibre Type	Wavelength nm	Maximum Attenuation (dB/km)	Minimum Modal Bandwidth (MHz.km)	Guaranteed Gigabit Transmission Distance (Meters)	Index of Refraction
50/125µm (OM2)	850	3.5	500	550	1.483
	1300	1.0	500	550	1.479
62.5/125µm (OM1)	850	3.5	200	275	1.495
	1300	1.0	500	550	1.490

*The protocol pertinent to the transmission distance as noted is Gigabit Ethernet per IEEE 802.3:2005.

XGLO and LightSystem Physical Specifications

PHYSICAL SPECIFICATIONS

Fibre Count	Nominal Cable Diameter (mm)	Maximum Pulling Tension (Newtons)		Nominal Net Weight (kg/km)
		Installation	Long Term	
4	5.3	1500	495	23
6	5.3	1500	495	25
8	5.8	1500	495	30
12	6.2	1500	495	35
16	7.8	1500	495	49
24	8.8	1500	495	61
48	18.3	4200	1400	255
72	21.9	5400	1800	384

Fibre Count	Minimum Crush Resistance (N/10cm)	Operating Temperature (°C)	Storage Temperature (°C)	Minimum Bend Radius	
				Installation	Long Term
4-12	500	-40/70	-40/70	20 x DIA.	10 x DIA.
16-72	1000	-20/70	-20/70	20 x DIA.	10 x DIA.

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.
 LightSystem® & XGLO® are trademarks of Siemon

XGLO™ & LightSystem® Indoor / Outdoor Loose Tube (International)

Siemon LSOH indoor/outdoor loose tube cables are ideal for campus and building backbones. Siemon fibre optic cables are offered in XGLO and LightSystem configurations supporting high-speed, applications such as Gigabit Ethernet, 10 Gigabit Ethernet, Gigabit ATM and Fibre Channel.

Ordering Information

XGLO Multimode 50/125 OM3, OM4, Singlemode OS2, LightSystem: Multimode 62.5/125 OM1, 50/125 OM2

Part #	Fibre Count	Construction
9GG(X)H002B-(XXXX)M	2	1 tube of 2 fibres
9GG(X)H004C-(XXXX)M	4	1 tube of 4 fibres
9GG(X)H006D-(XXXX)M	6	1 tube of 6 fibres
9GG(X)H008E-(XXXX)M	8	1 tube of 8 fibres
9GG(X)H012G-(XXXX)M	12	1 tube of 12 fibres
9GG(X)H016D-(XXXX)M	16	2 tubes of 6 fibres 1 tube of 4 fibres

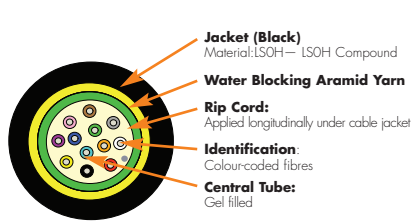
Part #	Fibre Count	Construction
9GG(X)H024D-(XXXX)M	24	4 tubes of 6 fibres
9GG(X)H036G-(XXXX)M	36	6 tubes of 6 fibres
9GG(X)H048G-(XXXX)M	48	4 tubes of 12 fibres
9GG(X)H072G-(XXXX)M	72	6 tubes of 12 fibres
9GG(X)H096G-(XXXX)M	96	8 tubes of 12 fibres
9GG(X)H144G-(XXXX)M	144	12 tubes of 12 fibres

Use 1st (X) to specify fibre type: 5 = 50/125µm, 6 = 62.5/125µm, 5 = 50/125µm Laser Optimized, 8 = Singlemode

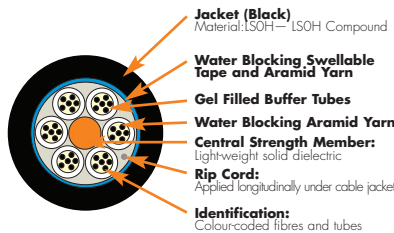
Use (XXXX) to specify class performance: G101 = OM1 62.5µm, T101 = OM2 50µm, T301 = OM3 50µm Laser Optimised, T501 = OM4 50µm Laser Optimised, E201 = OS2 Singlemode

Note: Contact Siemon Customer Service for cables available in fixed reel lengths.

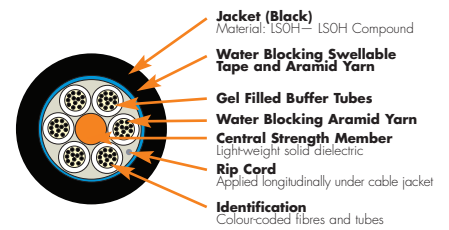
M= meters, 1=1000 meter, 5= 500 meter



2-12 Strands



16-36 Strands



48-144 Strands

XGLO Singlemode, OS2	XGLO (550) Multimode, 50/125, OM4	XGLO Multimode (300) 50/125, OM3	LIGHTSYSTEM Multimode 50/125, OM2; 62.5 OM1																																																																																								
<p>STANDARDS COMPLIANCE</p> <ul style="list-style-type: none"> ISO/IEC 11801:Ed 2.0 Amendment:1:2008 ANSI/TIA/EIA-568-B.3 Tekordia GR-409-CORE ITU-T G.652.C/D IEC 60332-3 IEC 60332-1-2 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) 	<p>STANDARDS COMPLIANCE</p> <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ISO/IEC 11801:2002 Amendment 2 OM4 ANSI/TIA/EIA-568-C.3 ANSI/TIA-492 AAAD IEC 60793-2-10 fibreType A1 a.3 Tekordia GR-409-CORE IEC 60332-3 IEC 60332-1-2 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) 	<p>STANDARDS COMPLIANCE</p> <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ANSI/TIA/EIA-568-B.3 ANSI/TIA/EIA-568-B.3-1 ANSI/TIA-492 AAAC Tekordia GR-409-CORE IEC 60332-3 IEC 60332-1-2 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) 	<p>STANDARDS COMPLIANCE</p> <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM1 (62.5/125) ISO/IEC 11801:2002 OM2 (50/125) ANSI/TIA/EIA-568-B.3 ANSI/TIA-598-C ANSI/TIA-492 AAAB Tekordia GR-409-CORE IEC 60332-3 IEC 60332-1-2 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) 																																																																																								
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XGLO™ 10 Gigabit Ethernet Fibre Optic Cable

Minimum Performance Parameters for XGLO 50/125µm Multimode Fibre

Fibre Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz • km)		Maximum Attenuation (dB/km)		Group Index of Refraction	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	900	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.0	1.483	1.479
50/125 (OM4)	1040	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.0	1.0	1.483	1.479

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode fibre

Fibre Type	Wavelength (nm)	Maximum Attenuation (dB/km)	Zero Dispersion Wavelength (nm)	Zero Dispersion Slope (nm ² -km)	Index of Refraction	Mode Field Diameter (microns)
Singlemode (OS2)	1310	0.40	1312 ± 10	≤0.089	1.468	9.2 ± 0.4
	1550	0.30	1312 ± 10	≤0.089	1.468	10.4 ± 0.5
	1310-1625	<0.40	1312 ± 10	≤0.089	1.468	N/A

LightSystem® Gigabit Ethernet Fibre Optic Cable

Minimum Performance Parameters for LightSystem 50/125µm & 62.5/125µm Multimode Fibre

Fibre Type	Wavelength nm	Maximum Attenuation (dB/km)	Minimum Modal Bandwidth (MHz km)	Guaranteed Gigabit Transmission Distance (Metres)	Index of Refraction
50/125µm (OM2)	850	3.5	500	550	1.483
	1300	1.0	500	550	1.479
62.5/125µm (OM1)	850	3.5	200	275	1.495
	1300	1.0	500	550	1.490

*The protocol pertinent to the transmission distance as noted is Gigabit Ethernet per IEEE 802.3:2005.

XGLO and LightSystem Physical Specifications

Fibre Count	Nominal Cable Diameter (mm)	Maximum Pulling Tension (Newtons)		Nominal Net Weight (kg/km)
		Installation	Long Term	
2	7.7	1000	500	67
4	7.7	1000	500	67
6	7.7	1000	500	67
8	7.7	1000	500	67
12	7.7	1000	500	67
16	10.1	1800	1200	103
24	10.1	1800	1200	103
36	10.1	1800	1200	103
48	10.8	1800	1200	115
72	10.8	1800	1200	115
96	12.0	1800	1200	139
144	12.0	1800	1200	139

Fibre Count	Minimum Crush Resistance (N/10cm)	Operating Temperature (°C)	Storage Temperature (°C)	Minimum Bend Radius	
				Installation	Long Term
2-12	1000	--40/60	-40/60	20 x DIA.	10 x DIA.
16-144	2200	-40/60	-40/60	20 x DIA.	10 x DIA.

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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