Fiber Connectivity and Cable

Siemon's end-to-end line of high-performance fiber optic cable and connectivity delivers a comprehensive solution set to meet nearly any network infrastructure need:

- **A complete line of rapidly-deployed, high-density plug and play solutions supporting up to 40 and 100Gb/s speeds**
- **High-performance, factory tested jumpers and pigtails**
- **Innovative XLR8™ mechanical splice termination system for LC and SC field terminations**
- **Epoxy-polish field-terminated connectivity — multiple LC, SC and ST configurations**
- **Preterminated trunking cable assemblies available in custom lengths, fiber counts and configurations**
- **Fiber Cable — Multimode, 50/125, 62.5/125 and Singlemode**

Section Contents

# 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 fibers in a single module. These factory terminated and tested ports are protected within the housing for reliable 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.

Compact Housing — Reduces mounting depth for greater cable management space within enclosures

Optimized Adapter Spacing — Enables easy finger access to fiber jumper connector latches in high density patching environments

Durable and Lightweight — High-impact molded plastic body with single-finger access

Multimode and Singlemode Modules — Utilize zirconia ceramic sleeves for optimum performance
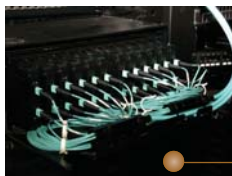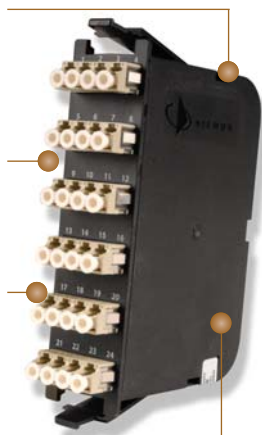
Recessed Base — Allows cable to be fit under the modules for added cable management space when installed in the horizontal orientation (i.e. within FCP drawer)

Compatible with Existing Siemon Enclosures — Fits within RIC, FCP and SWIC Siemon fiber enclosures and VersaPOD vertical patch panels

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

Interface
LC = LC
SC = SC

Fiber 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

Configuration
L = Low Loss
Blank = Standard Loss

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

Fiber 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

Configuration
L = Low Loss
Blank = Standard Loss

MTP to MTP Adapter Plates

Siemon MTP Adapter Plates offer a user friendly "pass-through" option for MTP connectors. Fitting within Siemon's fiber 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 fibers per adapter plate - providing up to 1152 fibers 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 fiber

Popular RIC Adapter Footprint
Fits within RIC, FCP and SWIC Siemon fiber enclosures and VersaPOD vertical patch panels

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

Fiber 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-fiber 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 fiber connections exactly where you need them. Extenders offer Male MTP Connectors on one end and female MTP adapters on the other to allow field extension of MTP Reels.

Custom Configurations — Available from 12 to 144 fiber counts in increments of 12 fibers

Multiple Fiber Types — Available in multimode (62.5/125, standard 50/125 and laser optimized 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

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 fiber

Protective Packaging — Dual shelf reel keeps unprotected connectivity away from harm during payout

Ordering Information: Non-Armored

F(X)(XX)-(XX)(X)(XXX)(X)-(X) ....Fiber Plug & Play Cable Assembly, 12 Fiber MTP Connectors

Configuration
R = Standard Loss
L = Low Loss
E* = Standard Loss Extender
B* = Low Loss Extender

Fiber Count
12 = 12
24 = 24
36 = 36
48 = 48
72 = 72
96 = 96
144 = 144

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

Polarity
C = Polarity method C per TIA-568-C.0 for fiber reels (FR and FL) only
Blank = Fiber Extender (FE and FB)

Length Unit
F = Feet
M = Meters

Length**
Length must be 3 digits
Example: 003 = 3m
010 = 10 ft.

Jacket Rating
R = Riser
P = Plenum
L = LSOH

Ordering Information: Armored

F(X)(XX)-(XX)(XX)(XXX)(X)C ....Armored Fiber Plug & Play Cable Reel Assembly, 12 Fiber MTP Female Connectors, Polarity Method C

Configuration
R = Standard Loss
L = Low Loss

Fiber Count
12 = 12
24 = 24
36 = 36
48 = 48
72 = 72
96 = 96
144 = 144

Jacket Rating
AR = Armored Riser
AP = Armored Plenum

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

Length**
Length must be 3 digits
Example: 003 = 3m
010 = 10 ft.

Length Unit
F = Feet
M = Meters

See performance details on page 6.5.

* Fiber Extenders ship with MTP Adapter for quick transition.

** Order length is measured connector tip to connector tip. Multi-leg versions offered with standard 1 meter (3.3 ft.) legs. Minimum order length is 1 meter (3 ft.) for 12 strand and 3 meters (9 ft.) for 24 strands or greater (See diagram at right)

Ordering Length

1 meter (3 ft.)   1 meter (3 ft.)
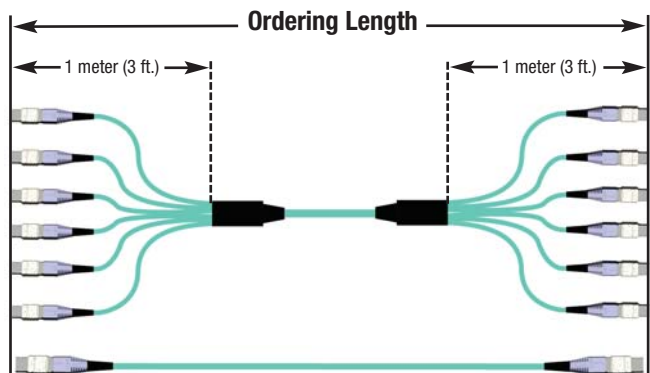
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Plug and Play MTP® to LC Trunks

Utilizing high quality Siemon RazorCore™ cable, MTP to LC Trunks offer a connectivity transition from 12-fiber MTP connectors to duplex LC connectors. These may be implemented using Siemon's MTP to MTP Adapter Plates to provide direct MTP to LC patching options over a wide range of distances and infrastructure configurations.
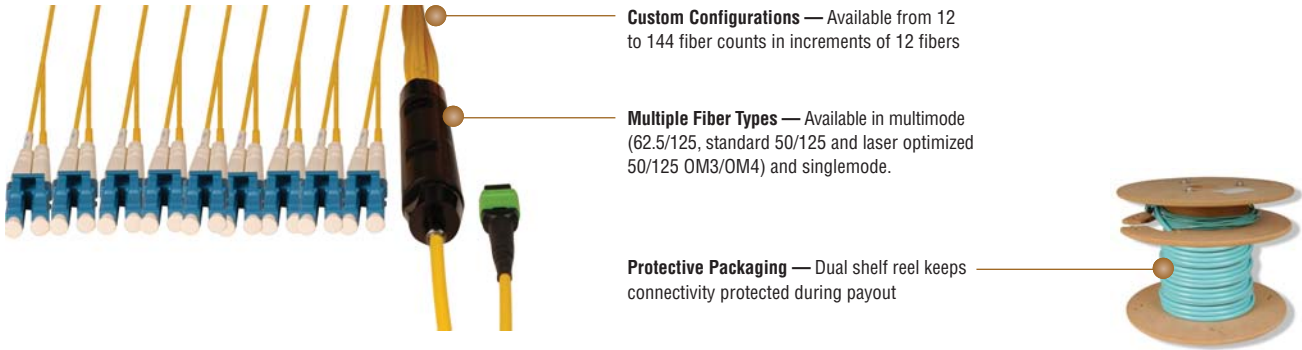
Custom Configurations — Available from 12 to 144 fiber counts in increments of 12 fibers

Multiple Fiber 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:

T(X)(X)(X)(XX)(X)(XX)LC(XXX)(X). . . . . MTP to LC Trunk (distribution to breakout)

Configuration
L = Low Loss
F = Standard Loss

Fiber Count
B = 12
C = 24
E = 36
F = 48
G = 72
H = 96
J = 144

Pulling Eye
A = Side A
B = Side B
C = None

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

Jacket Rating
R = Riser
P = Plenum
L = LSOH

MTP Connector Gender
MM = Male
MF = Female

Length*
Length must be 3 digits
Example: 003 = 3m
010 = 10 ft.

Length Unit
F = Feet
M = Meters

See performance details on page 6.5.

** Minimum order length is 1 meter (3 ft.)
Order length is measured connector tip to connector tip.
Jacketed duplex LC legs offered in standard 1 meter (3 ft.)
length for trunk lengths greater than 1 meter (3 ft.)
(See diagram below)*

> 1 meter (3 ft.)
1 meter (3.3 ft.)

1 meter (3 ft.)
50cm (1.7 ft.)

SIEMON™
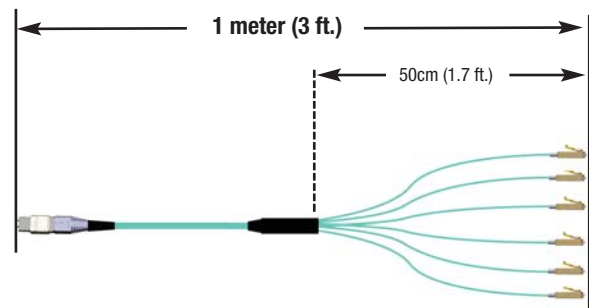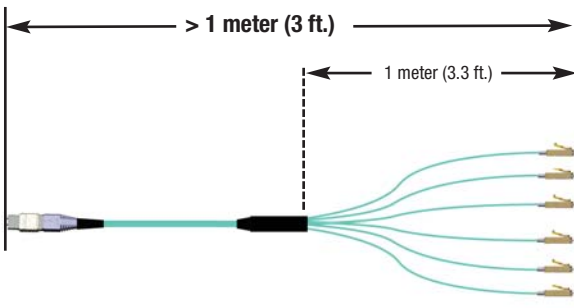
High Density 1U Fiber Connect Panel System

High-Density FCP3 Fiber Connect Panel

Economically connect, protect and manage up to 96 fibers within 1 rack mount space. Designed to integrate with high-density FCP3 fiber plug and play modules (details below).

High Density
Supports up to 96 fibers in just 1 rack-mount space

Enhanced Accessibility
Fiber drawer slides to the front and rear for maximum access to fiber connections

Bend Radius Management
Recessed modules provide a high-capacity jumper management zone that helps maintain proper fiber bend radius

Part #	Description
FCP3-DWR-4	High-density FCP3 Fiber Enclosure, black
PPM-BLNK	High-density FCP3 Blank Panel Filler, black

High-Density FCP3 Plug and Play Modules and Adapter Plates

Siemon LC to MTP® FCP3 Plug and Play modules and LC adapter plates are designed for simple, snap-in deployment within the high density FCP3 fiber connect panel. Providing 24 LC fibers per module, the factory terminated and tested modules are available in OM3 and OM4 multimode and singlemode configurations. The LC adapter plates provide a simple way to integrate traditional LC to LC connectivity within the ultra-high density FCP3 enclosure.
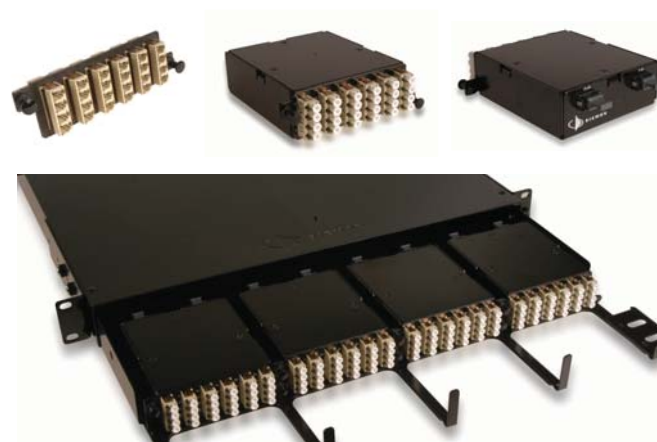
High Density
Modules provide 24 LC fibers per module, supporting up to 96 ports within the 1U FCP3 fiber connect panel

Fast Deployment
Snap-in mounting and multi-fiber MTP connectivity offers ultra-fast deployment of high-performance fiber channels

Compact Housing
Reduces mounting depth for greater cable management space within enclosures

Optimized Adapter Spacing
Enables easy finger access to fiber jumper connector latches in high density patching environments

Multimode and Singlemode Modules
Utilize zirconia ceramic sleeves for optimum performance

Ordering Information:

PPM-(XX)-LC(XX)-01 . . . . High-density LC to MTP Module, black

Fiber Count	Fiber Type
12 = 12 Fiber	**5** = 50/125 Multimode
24 = 24 Fiber	**6** = 62.5 Multimode
	5L = XGLO 300 50/125 Multimode/OM3
	5V = XGLO 550 50/125 Multimode/OM4
	SM = Singlemode

PPM-F-LC(X)(XX)-01 . . . . High-density FCP3 LC Adapter plates

Fiber Type	Fiber Count
Blank = Biege MM	**12** = 12 Fiber
U = Blue SM	**24** = 24 Fiber

Plug and Play Fiber System Optical Performance

STANDARD MODULES AND ASSEMBLIES

Fiber Type		MAX Insertion (dB)		MAX Return Loss (dB)		Performance Class
		MTP	LC	MTP	LC	
5L-MM	50/125 10G (OM3)	0.50	0.25	20	30	XGLO® 300
5V-MM	50/125 10G (OM4)	0.50	0.25	20	30	XGLO 550
SM-LWP	SM (OS2)	0.75	0.40	55	55	XGLO

LOW LOSS MODULE ASSEMBLIES

Fiber Type		MAX Insertion (dB)		MAX Return Loss (dB)		Performance Class
		MTP	LC	MTP	LC	
5L-MM	50/125 10G (OM3)	0.20	0.15	20	30	XGLO 300
5V-MM	50/125 10G (OM4)	0.20	0.15	20	30	XGLO 550
SM-LWP	SM (OS2)	0.60	0.25	55	55	XGLO

Fiber Cleaning Tools

Simple to use and highly effective at removing contaminants that can degrade the optical performance of critical fiber connections, these dry cloth cleaning tools are specially designed to clean multi-fiber MTP® connectors as well as LC and SC fiber connectors. The MTP version cleans both male MTP connectors in Plug and Play modules and female connectors in Adapter plates. LC and SC versions clean installed connectors as well as unmated connectors via an innovative dustcap/adapter.
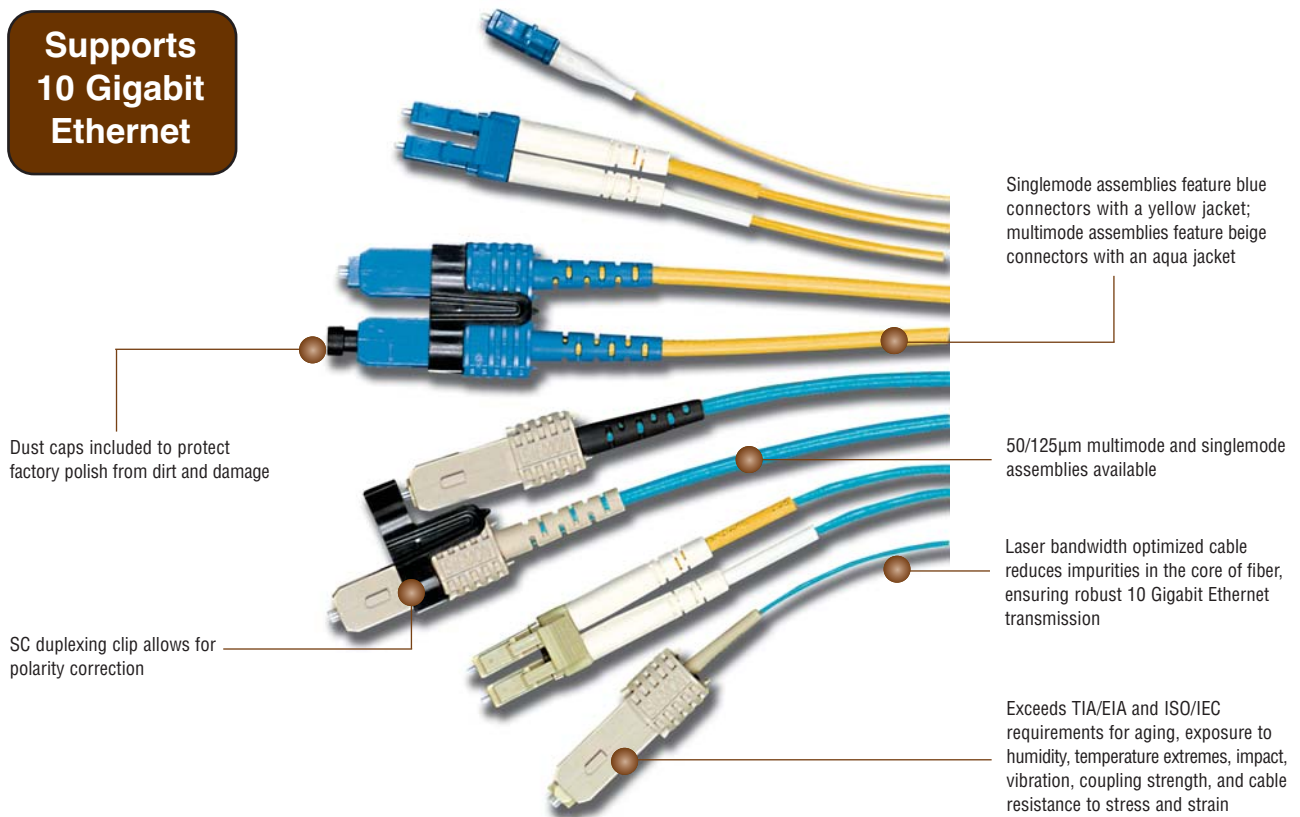

Ordering Information:

Part #	Description
PP-CT-MP	MTP multi-fiber connector cleaning tool
PP-CT-LC	LC simplex fiber connector cleaning tool
PP-CT-SC	SC simplex fiber connector cleaning tool

XGLO® 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 fiber 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% factory inspection ensures superior performance and quality.

Supports 10 Gigabit Ethernet

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

Dust caps included to protect factory polish from dirt and damage

50/125µm multimode and singlemode assemblies available

SC duplexing clip allows for polarity correction

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

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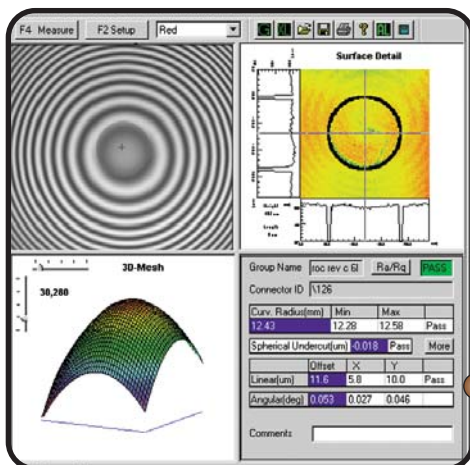
XGLO fiber optic cable assemblies meet all Telcordia and ISO/IEC specifications for ferrule end face geometry – including radius of curvature, apex offset, and spherical undercut. Compliance ensures minimum Return Loss, thereby reducing back reflection of laser energy which could degrade transmission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

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Product Information

PERFORMANCE SPECIFICATIONS

	50/125 μm Multimode (OM3)			50/125 μm 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 (3 ft.), 02 = 2m (6 ft.), 03 = 3m (9 ft.), 05 = 5m (15 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 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 colors are available upon request.
Angled Polish (APC) singlemode options are also available.
Contact our Customer Service Department for more information.

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LightSystem® Jumper & Pigtails

Siemon offers a comprehensive line of multimode fiber jumpers and pigtails available in standard lengths of 1m (3 ft.), 2m (6 ft.), 3m (9 ft.), 5m (15 ft.), and custom lengths. Each and every terminated connector is optically tested to assure that 100% of the Siemon-built cable assemblies meet stringent performance specifications.

PERFORMANCE SPECIFICATIONS

	50/125 μm Multimode (OM2)		62.5/125 μm Mulitmode (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 to SC orange duplex jumper
FJ2-SASA(X)MM-(XX).......................ST to ST orange duplex jumper
FJ2-SASC(X)MM-(XX) ....ST to SC orange duplex jumper
FJ2-LCLC(X)MM-(XX).......................LC to LC orange duplex jumper
FJ2-LCSC(X)MM-(XX).......................LC to SC orange duplex jumper
FJ2-LCSA(X)MM-(XX).......................LC to ST orange duplex jumper

**LightSystem Multimode Simplex Pigtails -
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

LSOH (IEC 60332-3C)

LightSystem Multimode Duplex Jumpers
FJ2-SCSC(X)MM-(XX)H ....SC to SC orange duplex jumper
FJ2-SASA(X)MM-(XX)H........................ST to ST orange duplex jumper
FJ2-SASC(X)MM-(XX)H........................ST to SC orange duplex jumper
FJ2-LCLC(X)MM-(XX)H ....LC to LC orange duplex jumper
FJ2-LCSC(X)MM-(XX)H........................LC to SC orange duplex jumper
FJ2-LCSA(X)MM-(XX)H ....LC to ST orange duplex jumper

**LightSystem Multimode Simplex Pigtails -
900 micron buffered**
FP1B-SC(X)MM-(XX)H ....SC simplex pigtail, orange
FP1B-SA(X)MM-(XX)H........................ST simplex pigtail, orange
FP1B-LC(X)MM-(XX)H.........................LC simplex pigtail, orange

Use (X) to specify fiber type: 5 = 50/125μm (OM2); 6 = 62.5/125μm (OM1)
Use (XX) to specify length: 01 = 1m (3 ft.), 02 = 2m (6 ft.), 03 = 3m (9 ft.), 05 = 5m (15 ft.)

Custom lengths and jacket colors are available upon request.
Contact our Customer Service Department for more information.
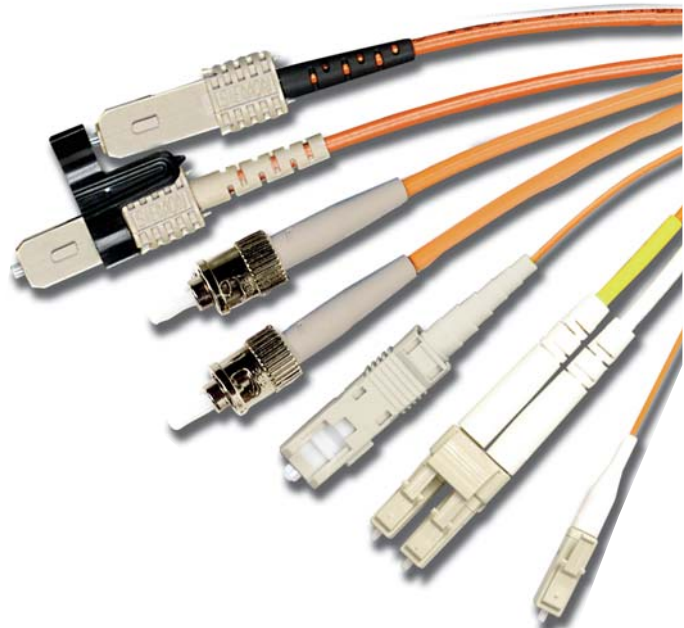
ValuLight™ Jumpers and Pigtails

ValuLight jumpers and pigtails provide exceptional value at a very competitive price. ValuLight fiber 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

	50/125 µm Multimode (OM2)		62.5/125 µm Mulitmode (OM1)		Singlemode (OS2)
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

Multimode Pigtails

Part #	Description
P1B-SC(X)-(XX).	SC orange simplex pigtail, 900 micron, buffered
P1B-SA(X)-(XX)	ST orange simplex pigtail, 900 micron, buffered
P1B-LC(X)-(XX)	LC orange simplex pigtail, 900 micron, buffered

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

Use (XX) to specify length: 01 = 1m (3 ft.), 02 = 2m (6 ft.), 03 = 3m (9 ft.), 05 = 5m (15 ft.)

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

Singlemode OS2 Pigtails

Part #	Description
P1B-SCP-(XX)	SC yellow simplex pigtail, 900 micron, buffered
P1B-SAP-(XX)	ST yellow simplex pigtail, 900 micron, buffered
P1B-LCP-(XX)	LC yellow simplex pigtail, 900 micron, buffered

Use (XX) to specify length: 01 = 1m (3 ft.), 02 = 2m (6 ft.), 03 = 3m (9 ft.), 05 = 5m (15 ft.)
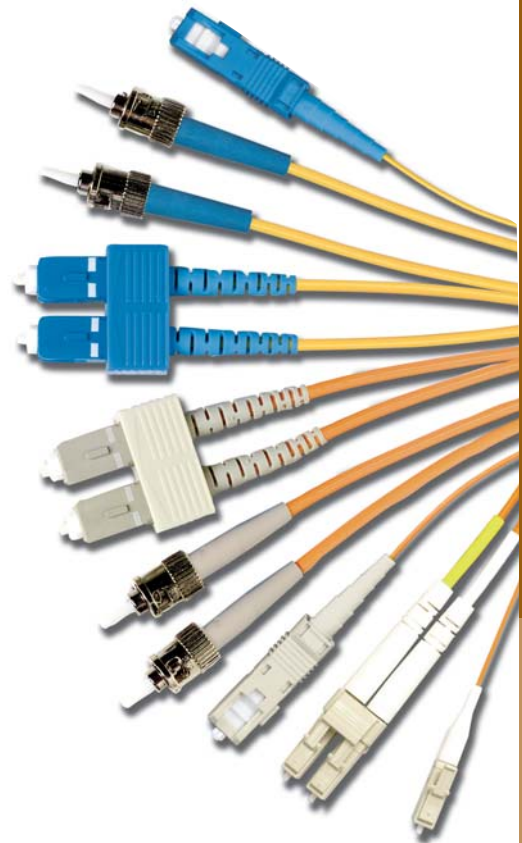
Custom lengths and jacket colors are available upon request. Contact our Customer Service Department for more information.

XLR8™ Fiber 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 fiber cables.
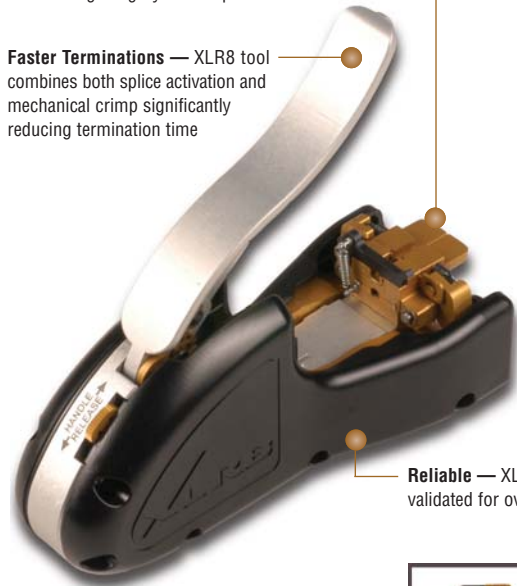
Robust Process — Single-step termination prevents fiber movement by eliminating the need to handle the connector between splice and crimp processes, maintaining integrity of the splice

Faster Terminations — XLR8 tool combines both splice activation and mechanical crimp significantly reducing termination time

Flexible Ergonomics — Tool optimized for use in handheld or table-top orientation
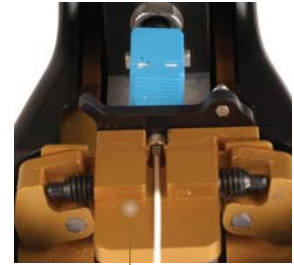
Fiber Alignment Aid — Smooth alignment channel simplifies fiber insertion and avoids damage to fiber end face

Oil Dampening System — Oil dampening system allows the blade to cleave at a uniform speed eliminating user variance resulting in a consistent high quality cleave

Precision Cleaver — Kit features a user-friendly fiber cleaver designed to provide clean, precise and high performance cleaves on an array of fiber types

Reliable — XLR8 tool has been validated for over 500,000 cycles

Reduced Risk of Polish Contamination — All termination steps completed with connector dust cap in place

Universal LC/SC Compatibility — Tool terminates both LC and SC connectors with no time-consuming changeover required
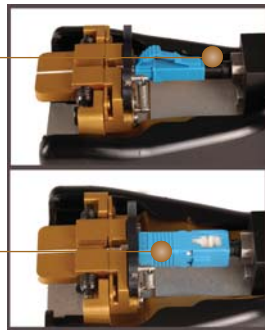
Cleaver Life Span — Increased blade life span resulting in 48,000 cleaves

Safety — Integrated cleaver fiber collection bin eliminates handling of cleaved fiber
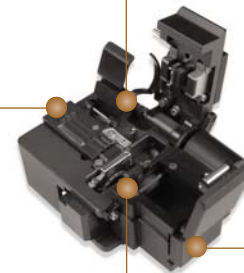
Ordering Information:

Part #	Description
FTERM-XLR8	XLR8 fiber termination kit

Kit Includes:
- Activation tool
- Jacket stripper
- Buffer stripper
- Scissors
- Precision cleaver
- Strip template
- Marker
- Alcohol pads
- Electrical tape
- Convenient carrying case
- DVD instructions

Replacement Parts

Part #	Description
FTERM-XLR8-A.	Fiber activation tool, replacement
FTERM-XLR8-C2	Precision fiber cleaver, replacement

Visit www.siemon.com/XLR8 for installation instructions and demonstration

XLR8™ Pre-Polished Connectors

Combined with the patent-pending XLR8 activation tool, Siemon's 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.
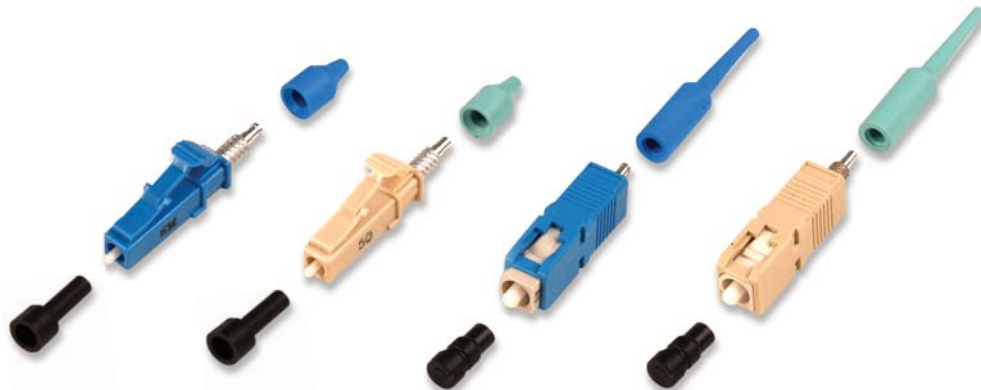
Optical Performance

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 fiber retention strength

Ordering Information:

LC Multimode

Part #	Description
FC1M-LC-5V-B12	LC Simplex connector, beige, 50/125μm (OM3/OM4) laser optimized, 900μm buffered fiber*, aqua boot (XGLO)
FC1M-LC-6MM-B80	LC Simplex connector, beige, 62.5/125μm multimode, 900μm buffered fiber*, beige boot (LightSystem)
FC1M-LC-5MM-B01	LC Simplex connector, beige, 50/125μm multimode, 900μm buffered fiber*, black boot (LightSystem)

LC Singlemode

Part #	Description
FC1M-LC-SM-B06	LC Simplex connector, blue, singlemode, 900μm buffered fiber*, blue boot (XGLO and LightSystem)
FC1M-LCA-SM-B07	LC Simplex connector, green, angled polished singlemode, 900μm buffered fiber*, green boot (XGLO and LightSystem)

SC Multimode

Part #	Description
FC1M-SC-5V-B12	SC Simplex connector, beige, 50/125μm (OM3/OM4) laser optimized, 900μm buffered fiber*, aqua boot (XGLO)
FC1M-SC-6MM-B80	SC Simplex connector, beige, 62.5/125μm multimode, 900μm buffered fiber*, beige boot (LightSystem)
FC1M-SC-5MM-B01	SC Simplex connector, beige, 50/125μm multimode, 900μm buffered fiber*, black boot (LightSystem)

SC Singlemode

Part #	Description
FC1M-SC-SM-B06	SC Simplex connector, blue, singlemode, 900μm buffered fiber*, blue boot (XGLO and LightSystem)
FC1M-SCA-SM-B07	SC Simplex connector, green, angled polished singlemode, 900μm buffered fiber*, green 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.

SIEMON™

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 fiber 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 color-coded in accordance with TIA/EIA-568-B.3 and ISO/IEC 11801 Ed. 2.0 requirements (beige for multimode and blue for singlemode).
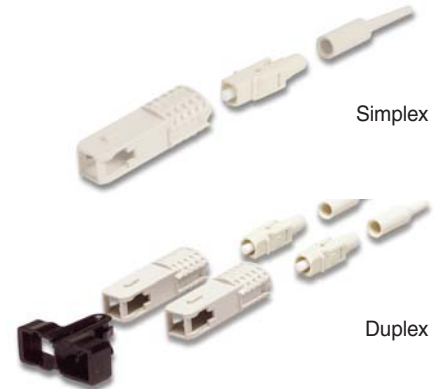
Multimode (XGLO® and LightSystem®)

Part #	Description
FC1-SC-MM-J80	SC simplex connector, beige, jacketed fiber, beige boot
FC1-SC-MM-B80	SC simplex connector, beige, buffered fiber, beige boot
FC2-SC-MM-B80	SC duplex connector, beige, buffered fiber, two beige boots

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

Simplex

Singlemode (XGLO)

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

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

Duplex

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.

Multimode (XGLO and LightSystem)

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

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

Jacketed

Singlemode (XGLO)

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

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

Buffered

SIEMON™

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 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 fiber, beige boot
FC2-LC-MM-J80	LC duplex connector, beige, multimode, jacketed fiber, beige boots

Singlemode

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

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

LightSpeed® ST, SC Fiber Termination Kit

Achieve faster fiber terminations and higher performance with Siemon's *LightSpeed* Termination Kit. The Siemon fiber termination kit contains all the tools required for termination of multimode or singlemode ST or SC connectors — packaged in a rugged canvas carrying case. Kit includes LC microscope head. 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	*LightSpeed* Fiber 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 Fiber 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 polishing puck and a micro-torch* (to shrink the color-coded LC crimp sleeve tubing).The LC microscope head is included with the FTERM-L2 kit.

Part #	Description
FTERM-LC.	LC Fiber 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® Fiber Consumables Kit

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

Part #	Description
FT-CKIT-L2*	Consumables kit for use with fiber 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.

Part #	Description
FT-PRBOT-L	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, gray
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°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 Fiber 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 replacement tools are the exact tools provided in the fiber termination kits.

Part #	Description
FT-MS400	400X power microscope
FT-SCRIBE	Double bladed fiber cleaver
CI-SCISSORS	Electrician scissors
FT-CRIMP	Crimp tool w/3-position die for ST/SC/LC
FT-PAD	152.4 x 152.4mm (6 x 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®
Fiber Trunking Cable Assemblies

Siemon's fiber 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 fiber 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.

Pulling Eye
An optional encapsulated protection sleeve with cable pulling eye protects the factory terminations during installation.

Enclosure Compatibility
Siemon fiber trunking assemblies are compatible with all Siemon fiber enclosures.

Protective Packaging
Dual shelf reel keeps unprotected connectivity from harm during payout

See ordering information next page

Factory Terminated and Tested — Every fiber cable assembly is factory terminated and tested for premium performance

Custom Assembly — Fiber assemblies can be created to custom lengths and configurations based on a flexible part number scheme for performance options to best suit each installation
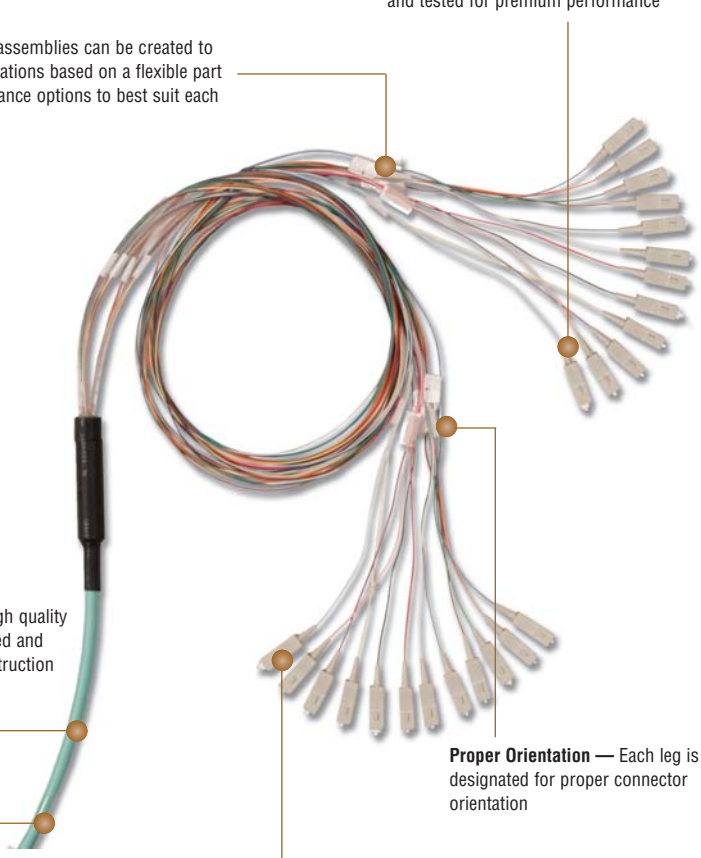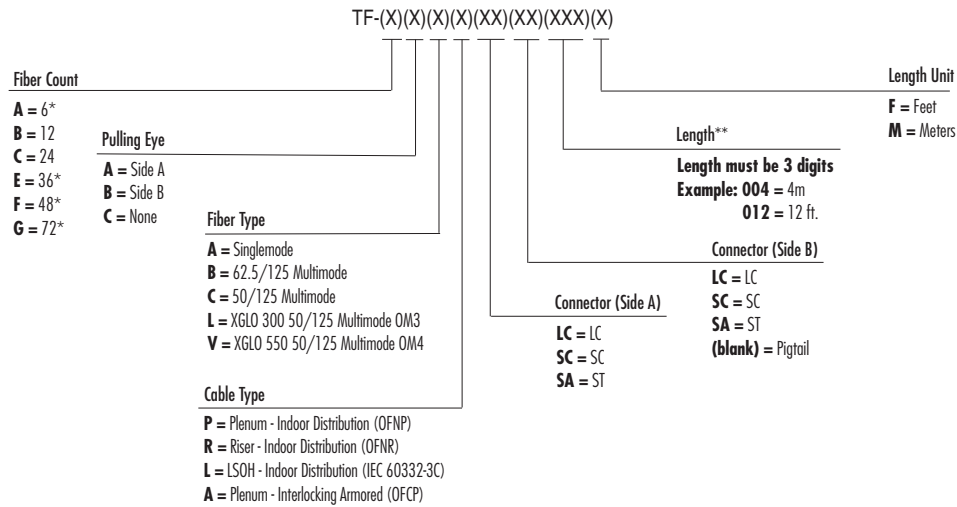
Siemon Cable — Utilizes high quality Siemon cable in both armored and non-armored choice of construction

Identification — Each cable assembly is coded with a unique identification number for administrative purposes

Superior Design — Each cable assembly utilizes an epoxy breakout with spiral wrap to protect the fibers when entering an enclosure

Proper Orientation — Each leg is designated for proper connector orientation

SIEMON

Fiber Trunking Cable Assemblies

Ordering Information:

TF-(X)(X)(X)(X)(XX)(XX)(XXX)(X)

Fiber Count

A = 6*
B = 12
C = 24
E = 36*
F = 48*
G = 72*

Pulling Eye

A = Side A
B = Side B
C = None

Fiber Type

A = Singlemode
B = 62.5/125 Multimode
C = 50/125 Multimode
L = XGLO 300 50/125 Multimode OM3
V = XGLO 550 50/125 Multimode OM4

Cable Type

P = Plenum - Indoor Distribution (OFNP)
R = Riser - Indoor Distribution (OFNR)
L = LSOH - Indoor Distribution (IEC 60332-3C)
A = Plenum - Interlocking Armored (OFCP)

Connector (Side A)

LC = LC
SC = SC
SA = ST

Connector (Side B)

LC = LC
SC = SC
SA = ST
(blank) = Pigtail

Length**

Length must be 3 digits
Example: 004 = 4m
          012 = 12 ft.

Length Unit

F = Feet
M = Meters

 * Non-armored only

** Ordering length is measured connector tip to connector tip.
   900 micron, buffered, 1m breakout. Minimum order length is 4 meters (12 ft.).

(Side A) — **Ordering Length** — **(Side B)**

1 meter (3 ft.) — 1 meter (3 ft.)
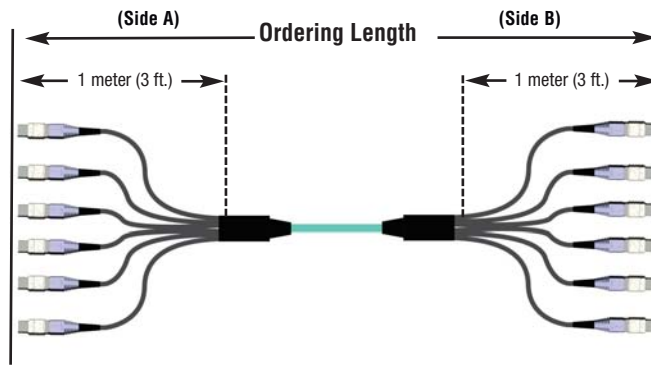
Note: These products are made to order. Call for lead time and availability.

Fiber Trunking Cable Assemblies

CABLE — Optical and Physical Specifications

Cable Type	Mulitmode				Singlemode
	LightSystem® 50/125 μm (OM1) (850/1300nm)	Lightsystem 50/125 μm (OM2) (850/1300 nm)	**XGLO® 50/125 μm (OM3) (850/1300 nm)	**XGLO 50/125 μm (OM4) (850/1300 nm)	XGLO Singlemode (OS1/OS2) (1310/1550 nm)
Fiber Cable Attenuation, Max (dB/km)	3.5/1.0	3.5/1.0	3.0/1.0	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 Color	Orange	Orange	Aqua	Aqua	Yellow
Break-Out Colors: Single Fiber Strands**	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua				
Sub-Unit Colors and/or Markings**	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua				

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

**XGLO multimode cable premium fiber 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

Fiber Type	Performance Class	Max Insertion Loss (dB)	Min Return Loss (dB)
62.5/125 μm Multimode (OM1)	LightSystem	0.65 (0.15 Typical)	25 (30 Typical)
50/125 μm Multimode (OM2)	LightSystem	0.65 (0.15 Typical)	25 (30 Typical)
50/125 μm Laser Optimized (OM3, OM4)	XGLO	0.25 (0.10 Typical)	30 (35 Typical)
Singlemode (OS1/OS2)	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 FIBER COUNT (ALL VALUES ARE NOMINAL)

Cable Type	Fiber 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)
	72	63.5 (2.5)	19.5 (0.77)	20x cable diameter	90 (3.5)	45.4 (100)
Armored	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)

XGLO® & LightSystem® Indoor Tight Buffer Distribution(US)

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

Ordering Information

XGLO Multimode Laser Optimized 50/125 OM3, OM4 (Aqua Jacket), Singlemode OS1/OS2 (Yellow Jacket), LightSystem Multimode 62.5/125 OM1, 50/125 OM2 (Orange Jacket)

Part #	Fiber Count	Construction
9BB(X)(X)002B-(XXXX)A	2	1 tube of 2 fibers
9BB(X)(X)004C-(XXXX)A	4	1 tube of 4 fibers
9BB(X)(X)006D-(XXXX)A	6	1 tube of 6 fibers
9BB(X)(X)008E-(XXXX)A	8	1 tube of 8 fibers
9BB(X)(X)012G-(XXXX)A	12	1 tube of 12 fibers

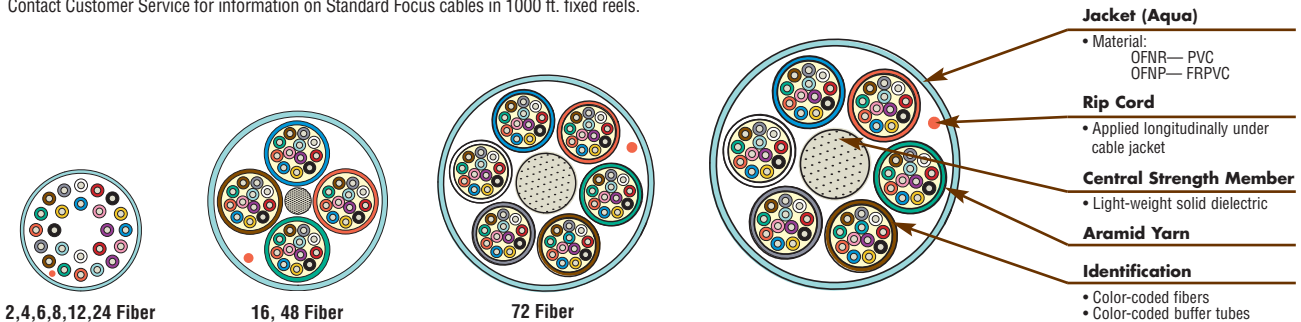| Part #	Fiber Count	Construction
9BB(X)(X)016C-(XXXX)A	16	4 tubes of 4 fibers
9BB(X)(X)024L-(XXXX)A	24	1 tube of 24 fibers
9BB(X)(X)036D-(XXXX)A	36	6 tubes of 6 fibers
9BB(X)(X)048G-(XXXX)A	48	4 tubes of 12 fibers
9BB(X)(X)072G-(XXXX)A	72	6 tubes of 12 fibers

Use 1st (X) to specify fiber type: 5 = 50/125µm, 6 = 62.5/125µm, 5 = 50/125µm Laser Optimized, 8 = Singlemode
Use 2nd (X) to specify fiber jacket type: R=Riser OFNR, P= Plenum OFNP
Use (XXXX) to specify class performance: G109 = OM1 62.5µm, T109 = OM2 50µm, T312 = OM3 50µm Laser Optimized, T512 = OM4 50µm Laser Optimized, E205 = OS1/OS2 Singlemode
Fiber cable is ordered in custom lengths on a reel (unit of measure = feet)

Contact Customer Service for information on Standard Focus cables in 1000 ft. fixed reels.

Jacket (Aqua) • Material: OFNR— PVC, OFNP— FRPVC
Rip Cord • Applied longitudinally under cable jacket
Central Strength Member • Light-weight solid dielectric
Aramid Yarn
Identification • Color-coded fibers • Color-coded buffer tubes

2,4,6,8,12,24 Fiber | **16, 48 Fiber** | **72 Fiber**

XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE
- ISO/IEC 11801:Ed 2.0 Amendment:1:2008
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- Telcordia GR-409-CORE
- ITU-T G.652 C/D
- OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)
- OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)

APPLICATIONS SUPPORT
APPLICATION	DISTANCE (m)
10GBASE-L (1310 nm)	8,000
10GBASE-E (1550 nm)	30,000
10G Fiber Channel (Serial-1310 nm)	10,000
10G Fiber Channel (WDM-1310 nm)	10,000
1000BASE-LX (1300 nm)	5,000
Fiber Channel 266/1062 (1300 nm)	10,000
ATM 52/155/622 (1300 nm)	15,000

XGLO (550) Multimode, 50/125, OM4
STANDARDS COMPLIANCE
- ISO/IEC 11801:2002 OM3
- ISO/IEC 11801:2002 Ammendment 2 OM4
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- ANSI/TIA-492 AAAD
- IEC 60793-2-10 Fiber Type A1a.3
- Telcordia GR-409-CORE
- OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)
- OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)

APPLICATIONS SUPPORT
APPLICATION	DISTANCE (m)
10GBASE-SX (850 nm)	550
10GBASE-LX4 (1300 nm)	300
1000BASE-SX (850 nm)	1100
1000BASE-LX (1300 nm)	600
Fiber Channel 266 (1300 nm)	1,500
ATM 622 (1300 nm)	500
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 (300) Multimode 50/125, OM3
STANDARDS COMPLIANCE
- ISO/IEC 11801:2002 OM3
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- ANSI/TIA-492 AAAC
- Telcordia GR-409-CORE
- OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)
- OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)

APPLICATIONS SUPPORT
APPLICATION	DISTANCE (m)
10GBASE-SX (850 nm)	300
10GBASE-LX4 (1300 nm)	300
1000BASE-SX (850 nm)	1000
1000BASE-LX (1300 nm)	600
Fiber Channel 266 (1300 nm)	1,500
ATM 622 (1300 nm)	500
ATM 155 (1300 nm)	2,000
ATM 52 (1300 nm)	3,000
FDD1 (Original-1300 nm)	2,000
100BASE-FX (1300 nm)	2,000

LIGHTSYSTEM Multimode 50/125,OM2; 62.5 OM1
STANDARDS COMPLIANCE
- ISO/IEC 11801:2002 OM1 (62.5/125)
- ISO/IEC 11801:2002 OM2 (50/125)
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- ANSI/TIA-492 AAAB
- Telcordia GR-409-CORE
- OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)
- OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)

APPLICATIONS SUPPORT
APPLICATION	DISTANCE (m)
10GBASE-SX (850 nm)	N/A
50/125µm	82
62.5/125µm	26
1000BASE-SX (850 nm)	N/A
50/125µm	550
62.5/125µm	275
1000BASE-LX (1300 nm)	550
Fiber Channel 266 (1300 nm)	1,500
ATM 622 (1300 nm)	500
ATM 155 (1300 nm)	2,000
ATM 52 (1300 nm)	3,000
FDDI (Original-1300 nm)	2,000
100BASE-FX (1300 nm)	2,000

www.siemon.com

XGLO® 10 Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125µm Multimode Fiber

Fiber 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)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.0	1.0	1.483	1.479
50/125 (OM4)	1100	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 Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)	Zero Dispersion Wavelength (nm)	Zero Dispersion Slope (nm$_2$-km)	Index of Refraction
Singlemode (OS1/OS2)	1310	0.50	1312 ± 10	≤0.093	1.468
	1550	0.50	1312 ± 10	≤0.093	1.468
	1300-1324	<0.40	1312 ± 10	≤0.093	1.468

LightSystem® Gigabit Ethernet Fiber Optic Distribution Cable

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

Fiber Type	Wavelength nm	Maximum Attenuation (dB/km)	Minimum Modal Bandwidth (MHz•km)	Guaranteed Gigabit Transmission Distance (Meters)	Index of Refraction
50/125 µm (OM2)	850	3.5	500	550	1.483
	1300	1.0	500	550	1.479
62.5/125 µm (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 (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm (in.)	Maximum Pulling Tension Newtons (lbs)				Nominal Net Weight kg/km (lbs/1000 ft.)	
		Installation		Long Term			
	OFNR/OFNP	OFNR	OFNP	OPNR	OFNP	OFNR	OFNP
2	4.8 (0.19)	400 (90)	400 (90)	120 (27)	120 (27)	17 (12)	20 (13.1)
4	4.8 (0.19)	660 (148)	440 (99)	198 (45)	132 (30)	19 (13)	22 (15)
6	4.8 (0.19)	660 (148)	440 (99)	198 (45)	132 (30)	22 (15)	25 (16.5)
8	5.8 (0.23)	900 (202)	560 (126)	270 (61)	168 (38)	28 (19)	31 (21)
12	5.8 (0.23)	900 (202)	560 (126)	270 (61)	168 (38)	32 (22)	36 (24.4)
16	13.7 (0.54)	1320 (297)	660 (148)	396 (89)	198 (45)	139 (93)	209 (140)
24	8.8 (0.35)	1282 (288)	1282 (288)	641 (144)	641 (144)	78 (52.4)	78 (52.4)
36	16.5 (0.65)	1320 (297)	660 (148)	396 (89)	198 (45)	213 (143)	221 (148)
48	16.0 (0.63)	2700 (607)	1000 (225)	810 (182)	300 (67)	200 (134)	207 (139)
72	19.6 (0.77)	2700 (607)	1000 (225)	810 (182)	300 (67)	310 (208)	322 (216)

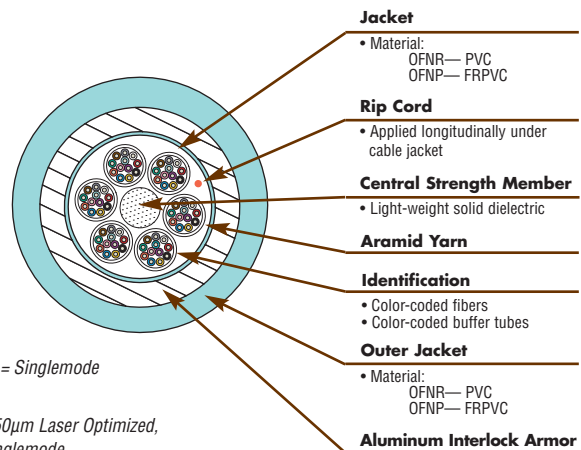| Fiber Count	Minimum Crush Resistance (N/mm)	Minimum Flex Resistance Cycles	Operating Temperature °F (°C)	Installation Temperature °F (°C)	Storage Temperature °F (°C)	Minimum Bend Radius	
						Installation	Long Term
2-24	22	25/100	-4 to 122 (-20 to 50)	32 to 140 (0 to 60)	-40 to 140 (-40 to 60)	15 x DIA.	10 x DIA.
36-144	22	25/100	-4 to 122 (-20 to 50)	32 to 140 (0 to 60)	-40 to 140 (-40 to 60)	20 x DIA.	10 x DIA.

XGLO® & LightSystem® Interlocking Aluminum Armor Indoor Tight Buffer Fiber Cable

Siemon interlocking aluminum armor indoor tight buffer fiber cables are ideal for data centers, campus and building backbones as well as industrial applications. The interlocking armor cable is a robust aluminum armored design that provides higher compression crush strength, rodent resistance and increased security. Siemon interlocking armor fiber cables may be installed as an alternative to traditional fiber cables in plenum inner duct or conduit, providing a less expensive single-pull solution with estimated savings of 25-50% in materials and estimated labor savings up to 60%. Siemon fiber optic cables are offered in LightSystem and XGLO configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet, Gigabit ATM and Fiber Channel.

Ordering Information

XGLO Multimode Laser Optimized 50/125 OM3, OM4 (Aqua Jacket), Singlemode OS1/OS2 (Yellow Jacket), LightSystem Multimode 62.5/125 OM1, 50/125 OM2 (Orange Jacket)

Part #	Fiber Count	Construction
9BC(X)(X)006D-(XXXX)A	6	1 tube of 6 fibers
9BC(X)(X)012G-(XXXX)A	12	1 tube of 12 fibers
9BC(X)(X)024L-(XXXX)A	24	1 tube of 24 fibers
9BC(X)(X)036G-(XXXX)A	36	3 tubes of 12 fibers
9BC(X)(X)048G-(XXXX)A	48	4 tubes of 12 fibers
9BC(X)(X)072G-(XXXX)A	72	6 tubes of 12 fibers
9BC(X)(X)096G-(XXXX)A	96	8 tubes of 12 fibers
9BC(X)(X)144G-(XXXX)A	144	12 tubes of 12 fibers

Jacket
- Material:
    OFNR— PVC
    OFNP— FRPVC

Rip Cord
- Applied longitudinally under cable jacket

Central Strength Member
- Light-weight solid dielectric

Aramid Yarn

Identification
- Color-coded fibers
- Color-coded buffer tubes

Outer Jacket
- Material:
    OFNR— PVC
    OFNP— FRPVC

Aluminum Interlock Armor

Use 1st (X) to specify fiber type: 5 = 50/125µm, 6 = 62.5/125µm, 5 = 50/125µm Laser Optimized, 8 = Singlemode
Use 2nd (X) to specify cable rating: R = OFCR, P = OFCP
Use (XXXX) to specify class performance: G109 = OM1 62.5µm, T109 = OM2 50µm, T312 = OM3 50µm Laser Optimized,
*   T512 = OM4 50µm Laser Optimized, E205 = OS1/OS2 Singlemode*
Fiber cable is ordered in custom lengths on a reel (unit of measure = feet)

XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE
- ISO/IEC 11801:Ed 2.0 Amendment:1:2008
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- Telcordia GR-409-CORE
- ITU-T G.652.C/D
- OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)
- OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)

APPLICATIONS SUPPORT

APPLICATION	DISTANCE (m)
10GBASE-L (1310 nm)	8,000
10GBASE-E (1550 nm)	30,000
10G Fiber Channel (Serial-1310 nm)	10,000
10G Fiber Channel (WDM-1310 nm)	10,000
1000BASE-LX (1300 nm)	5,000
Fiber Channel 266/1062 (1300 nm)	10,000
ATM 52/155/622 (1300 nm)	15,000

XGLO (550) Multimode, 50/125, OM4
STANDARDS COMPLIANCE
- ISO/IEC 11801:2002 OM3
- ISO/IEC 11801:2002 Ammendment 2 OM4
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- ANSI/TIA-492 AAAD
- IEC 60793-2-10 Fiber Type A1a.3
- Telcordia GR-409-CORE
- OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)
- OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)

APPLICATIONS SUPPORT

APPLICATION	DISTANCE (m)
10GBASE-SX (850 nm)	550
10GBASE-LX4 (1300 nm)	300
1000BASE-SX (850 nm)	1100
1000BASE-LX (1300 nm)	600
Fiber Channel 266 (1300 nm)	1,500
ATM 622 (1300 nm)	500
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 (300) Multimode 50/125, OM3
STANDARDS COMPLIANCE
- ISO/IEC 11801:2002 OM3
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- ANSI/TIA-492AAAC
- Telcordia GR-409-CORE
- OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)
- OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)

APPLICATIONS SUPPORT

APPLICATION	DISTANCE (m)
10GBASE-SX (850 nm)	300
10GBASE-LX4 (1300 nm)	300
1000BASE-SX (850 nm)	1000
1000BASE-LX (1300 nm)	600
Fiber Channel 266 (1300 nm)	1,500
ATM 622 (1300 nm)	500
ATM 155 (1300 nm)	2,000
ATM 52 (1300 nm)	3,000
FDD1 (Original-1300 nm)	2,000
100BASE-FX (1300 nm)	2,000

LIGHTSYSTEM Multimode 50/125,OM2; 62.5 OM1
STANDARDS COMPLIANCE
- ISO/IEC 11801:2002 OM1 (62.5/125)
- ISO/IEC 11801:2002 OM2 (50/125)
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- ANSI/TIA-492AAAB
- Telcordia GR-409-CORE
- OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)
- OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)

APPLICATIONS SUPPORT

APPLICATION	DISTANCE (m)
10GBASE-SX (850 nm)	N/A
50/125µm	82
62.5/125µm	26
1000BASE-SX (850 nm)	N/A
50/125µm	550
62.5/125µm	275
1000BASE-LX (1300 nm)	550
Fiber Channel 266 (1300 nm)	1,500
ATM 622 (1300 nm)	500
ATM 155 (1300 nm)	2,000
ATM 52 (1300 nm)	3,000
FDDI (Original-1300 nm)	2,000
100BASE-FX (1300 nm)	2,000

XGLO® 10 Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125μm Multimode Fiber

Fiber 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)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.0	1.0	1.483	1.479
50/125 (OM4)	1100	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 Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)	Zero Dispersion Wavelength (nm)	Zero Dispersion Slope (nm2-km)	Index of Refraction
Singlemode (OS1/OS2)	1310	0.50	1312 ± 10	≤0.093	1.468
	1550	0.50	1312 ± 10	≤0.093	1.468
	1300-1324	<0.40	1312 ± 10	≤0.093	1.468

LightSystem® Gigabit Ethernet Fiber Optic Distribution Cable

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

Fiber Type	Wavelength nm	Maximum Attenuation (dB/km)	Minimum Modal Bandwidth (MHz•km)	Guaranteed Gigabit Transmission Distance (Meters)	Index of Refraction
50/125 μm (OM2)	850	3.5	500	550	1.483
	1300	1.0	500	550	1.479
62.5/125 μm (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 (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm (in.)		Maximum Pulling Tension Newtons (lbs)		Maximum =Net Weight kg/km (lbs/1000 ft.)	
	OFCR	OFCP	Installation	Long Term	OFCR	OFCP
6	15.8 (0.624)	13.1 (0.517)	1335 (300)	400 (90)	179 (120)	117 (79)
8	15.8 (0.624)	13.3 (0.523)	1335 (300)	400 (90)	188 (126)	129 (87)
12	18.8 (0.740)	14.8 (0.584)	1780 (400)	534 (120)	228 (166)	176 (119)
24	24.4 (0.961)	20.9 (0.821)	2640 (600)	800 (180)	412 (277)	347 (233)
48	24.4 (0.961)	23.4 (0.921)	2640 (600)	800 (180)	448 (301)	408 (274)
72	32.1 (1.265)	24.7 (0.974)	2640 (600)	800 (180)	643 (432)	537 (361)
96	32.1 (1.265)	31.1 (1.230)	2640 (600)	800 (180)	775 (521)	749 (503)
144	32.1 (1.265)	31.1 (1.230)	4445 (1000)	4445 (300)	802 (539)	756 (508)

Fiber Type	Minimum Crush Resistance (N/cm)	Minimum Flex Resistance Cycles	Operating Temperature °F (°C)		Storage Temperature °F (°C)		Minimum Bend Radius	
			OFCR	OFCP	OFCR	OFCP	Installation	Long Term
6 - 144	440 N/cm	100 Cycles	-40 to 167 (-40 to 75)	-4 to 167 (-20 to 75)	-40 to 185 (-40 to 85)	-4 to 167 (-20 to 75)	15 x DIA.	10 x DIA.

SIEMON™

Fiber Enclosures and Splicing

Siemon's fiber enclosures provide feature-rich and easily implemented options for managing critical fiber connectivity. With versions supporting up to 1152 fiber ports, Siemon's Rack Mount Interconnect Centers (RIC3) offer superior density, accessibility, slack management, security and port identification.

Wall mount versions, which share many of the RIC3's user-friendly features, are also available.

Section Contents

SIEMON™

The RIC3 provides the best overall value for exceptional fiber management. The RIC3 enclosure offers superior fiber density without sacrificing fiber protection and accessibility. Features include a fully removable tray, improved labeling, standard front and rear door locks, and single-finger door latches. With superior cable management, port identification, fiber accessibility and security, the RIC3 is the best way to protect mission critical fiber connections.

Removable Tray
The RIC3 cable management tray is fixed in place, but can be removed from the front or rear of the enclosure and moved to a work table for greater convenience.

Latching and Locking
The RIC3 features a single-finger latch on both front and rear doors. Front and rear doors include a lock for added security

Quick-Pack® Adapter Plates
Siemon Quick-Pack adapter plates can be inserted or removed with a single-finger latch for quick and easy access to fiber connections.

Superior Design — Top and bottom access holes located at the rear of the enclosure allow fibers to be routed between tandem enclosures without having to run fibers outside of the enclosure

Complete Access — Management tray has a positive stop in both front and rear working positions providing complete access for moving, adding, changing, or cleaning of fiber connections

Enhanced Labeling — Label virtually any port configuration with our hinged labels. The labels hang on the front door for improved visibility. When the door is opened, labels flip down allowing ready viewing of the label and corresponding ports
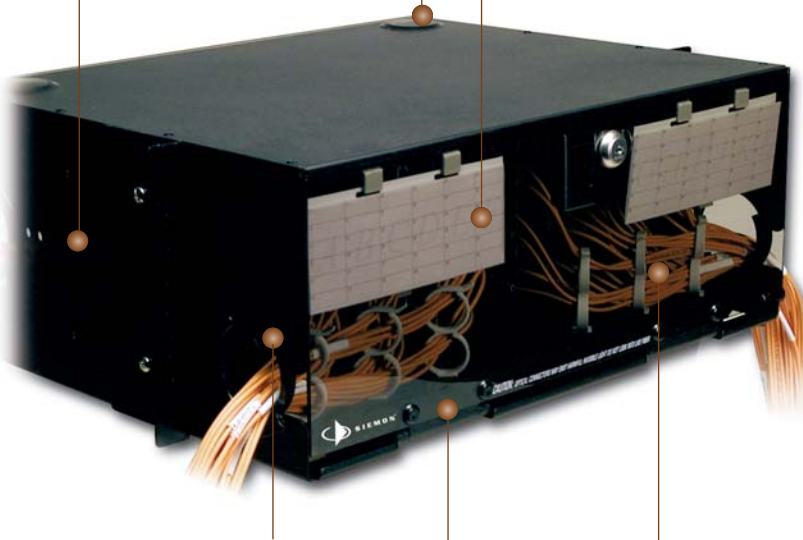
Rotating Grommets — Patented rotating grommets facilitate loading and retention of jumpers and fiber while minimizing microbending stress when using the sliding tray

Quick-Release Hinges — Spring loaded quick-release hinges enable easy opening and removal of front and rear doors for complete access to fiber connections

Maximum Capacity — The RIC3 enables a maximum amount of fibers to be patched or patched and spliced in a 2, 3, and 4U enclosure without compromising accessibility. This allows more efficient utilization of rack space

Rack Mount Interconnect Center (RIC3)

Siemon RIC3 enclosures are designed for enhanced fiber management and ease of use. They are compatible with an array of Siemon fiber Quick-Pack® and MTP adapter plates for your choice of fiber adapters and port density.

Part #	Description
RIC3-24-01	24- to 96-fiber (384 fiber with MTP adapter plates) Rack Mount Interconnect Center, accepts (4) Quick-Pack adapter plates, 2U, black *height: 86.6mm (3.4 in.), width: 432mm (17 in.), depth: 380mm (15 in.)*

Part #	Description
RIC3-36-01	36- to 144-fiber (up to 576 fiber with MTP adapter plates) Rack Mount Interconnect Center, accepts (6) Quick-Pack adapter plates, 2U, black *height: 86.6mm (3.4 in.), width: 432mm (17 in.), depth: 380mm (15 in.)*

RIC3-48-01	48- to 192-fiber (up to 768 fiber with MTP adapter plates) Rack Mount Interconnect Center, accepts (8) Quick-Pack adapter plates, 3U, black *height: 133mm (5.2 in.), width: 432mm (17 in.), depth: 380mm (15 in.)*

RIC3-72-01	72- to 288-fiber (up to 1152 fiber with MTP adapter plates) Rack Mount Interconnect Center, accepts (12) Quick-Pack adapter plates, 4U, black *height: 178mm (7 in.), width: 432mm (17 in.), depth: 380mm (15 in.)*

Note: 1U = 44.5mm

Note: All RIC products include laser-printable labels*, cable ties, rack-mounting hardware, and pre-installed fiber management clips.

*Visit www.siemon.com for labeling software.

MAXIMUM RIC3 FIBER CAPACITY

# Fibers per Quick-Pack	Adapter Options	RIC24	RIC36	RIC48	RIC72
6	ST, SC	24	36	48	72
8	ST, SC	32	48	64	96
12	ST, SC, LC	48	72	96	144
16	LC	64	96	128	192
24	LC	96	144	192	288
96	MTP**	384	567	768	1152

MAXIMUM SPLICING CAPACITY

Splice Type	RIC24	RIC36	RIC48	RIC72
Fusion	96	96	96	144

**For more MTP adapter options, see page 6.1

Wall Mount Interconnect Center (SWIC3)

The Wall Mount Interconnect Center (SWIC3) is a cost-effective fiber enclosure designed to manage and protect up to 96 fibers (up to 384 with MTP adapter plates). The low-profile, compact design makes it ideal for telecommunications rooms or other installation areas where wall space is a premium. The adapter mounting method is standardized on the same snap-in Quick-Pack® adapter plates used in our family of Rack Mount Interconnect Centers (RIC3).

Easy Access
Doors on enclosures and jumper guard swing open a full 180° to provide complete front and side access.

Dual-Level Fiber Managers
Incorporates two independent levels of storage to enable the fiber to be routed at levels that correspond to the adapters.

Snap-In Adapter Plates
Utilizes same Quick-Pack adapter plates as RIC3 enclosures with integrated latches for snap-in installation and single-finger removal.

Convenient Labeling — Convenient labeling system includes removable clear label holders for storing and protecting fiber documentation

Optional Splice Tray Bracket — Optional bracket available for mounting multiple splice trays (not shown)

Available with Quick-Pack Adapter Plates — Quick-Pack adapter plates are available with SC, ST, or LC adapters
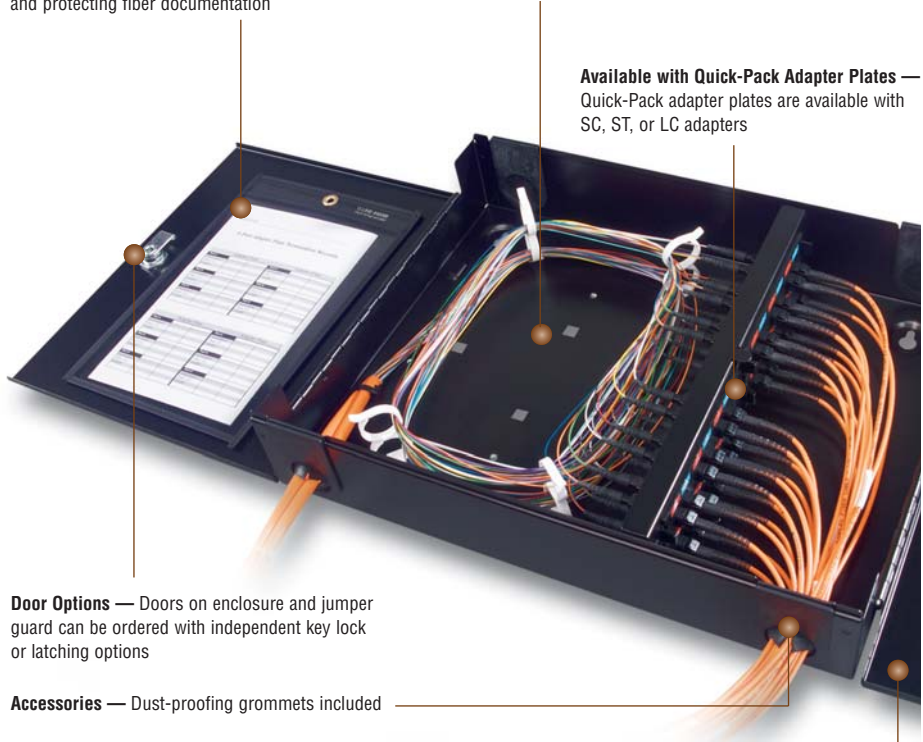
Door Options — Doors on enclosure and jumper guard can be ordered with independent key lock or latching options

Accessories — Dust-proofing grommets included

Fiber Jumper Guard — Integrated hinged fiber guard provides jumper protection and management

MAXIMUM SWIC3 FIBER CAPACITY

# Fibers per Quick-Pack	Adapter Options	SWIC3-M	SWIC3
6	ST, SC	12	24
8	ST, SC	16	32
12	ST, SC	24	48
16	LC	32	64
24	LC	48	96
56	MTP*	192	384

MAXIMUM SPLICING CAPACITY

Splice Type	SWIC3
Fusion	48

*For more MTP adapter options, see page 6.1

Wall Mount Interconnect Center (SWIC3)

Part #	Description
SWIC3-(X)-01	24- to 96-fiber (up to 384 fiber with MTP adapter plates) Wall Mount Interconnect Center, accepts (4) Quick-Pack® adapter plates, black. Includes dual-level fiber managers, port designation labels and removable pocket, dust-proofing grommets, strain relief hardware, cable ties, and mounting hardware.

height: 311mm (12.2 in.),
width: 311mm (12.2 in.),
depth: 82.6mm (3.3 in.)

Use (X) to specify the type of lock on the enclosure:
A = key lock, C = thumb-turn latch

Part #	Description
SWIC3G-(X)(X)-01.	24- to 96-fiber (up to 384 fiber with MTP adapter plates) Wall Mount Interconnect Center with integrated jumper guard, accepts (4) Quick-Pack adapter plates, black. Includes dual-level fiber managers, port designation labels and removable pocket, dust-proofing grommets, strain relief hardware, cable ties, and mounting hardware.

height: 311mm (12.2 in.),
width: 406mm (16 in.),
depth: 82.6mm (3.3 in.)

Use 1st (X) to specify type of lock on the enclosure (left) door: A = key lock, C = thumb-turn latch

Use 2nd (X) to specify type of lock on the guard (right) door: A = key lock, C = thumb-turn latch

Part #	Description
TRAY-B-01	Bracket for mounting up to 4 mini splice trays to SWIC3 base

Mini Wall Mount Interconnect Center

The SWIC3 enables the economical interconnection of fiber in locations where wall space is limited while still providing many of the popular, installer-friendly features of the SWIC3. By accepting two flat Quick-Pack adapter plates, the SWIC3 can accommodate from 12-48 fibers (up to 192 with MTP adapter plates). Also included are dust-proofing grommets to provide protection from contaminants and bend radius guides to ensure proper storage of fiber slack.

Part #	Description
SWIC3-M-01	12- to 48-fiber (up to 192 fiber with MTP adapter plates) Mini Wall Mount Interconnect Center, accepts (2) Quick-Pack adapter plates, black

height: 218.4mm (8.6 in.),
width: 185.4mm (7.3 in.),
depth: 82.6mm (3.3 in.)

Note: SWIC3-M-01 does not accept splice trays.

SIEMON

Fiber Connect Panel (FCP3)

Siemon's popular Fiber Connect Panels (FCP3-DWR and FCP3-RACK) economically connect, protect, and manage up to 72 fibers/1U (up to 288 fibers with MTP to MTP adapters). It accepts Siemon's Quick-Pack® adapter plates with patented single-finger access. The FCP3-DWR makes access to the connections easy via a fixed tray that can be released and slid out of the front or rear of the enclosure.

High Density
FCP3 enclosures accommodate up to 72 fibers (288 with MTP adapter plates) in only 1U on a 19 inch rack.

Sliding Tray
The FCP3-DWR (drawer version) features a tray that slides out from the front or rear, providing easy access to fiber connections. The entire tray can be removed and placed on a work table for more convenience.

Lanced Tabs — Provide convenient cable anchor points for incoming jacketed fiber cable

Up to 3 Optional Splice Trays — Can be mounted to manage and protect either mechanical or fusion splices

Label Holder — Protects fiber jumpers and is readily removable via release of factory-installed snap-latches

Rear Fiber Clips — Manage cable slack while maintaining minimum bend radius requirements

Front Fiber Clips — Manage up to 36 duplex fiber jumpers (72 fibers total) or 24-, 12-fiber MTP trunks

MAXIMUM FCP3 FIBER CAPACITY

# Fibers per Quick-Pack	Adapter Options	FCP3
6	ST, SC	18
8	ST, SC	24
12	ST, SC, LC	36
16	LC	48
24	LC	72
96	MTP*	288

MAXIMUM SPLICING CAPACITY

Splice Type	FCP3
Fusion	72

For more MTP adapter options, see page 6.1

Fiber Connect Panel (FCP3)

Part #   **Description**

FCP3-DWR . . . . 6- to 72-fiber (up to 288 fiber with MTP adapter plates) Fiber Connect Panel with sliding tray, accepts (3) Quick-Pack® adapter plates, 1U, black. Includes mounting brackets, housing/tray, fiber managers, grommets, label holders, and labels

height: 43.2mm,

width: 482.6mm,

depth: 355.6mm

FCP3-DWR

FCP3-RACK. . . . . 6- to 72-fiber (up to 288 fiber with MTP adapter plates) Fiber Connect Panel with fixed tray, accepts (3) Quick-Pack adapter plates, 1U, black. Includes mounting brackets, housing/cover, fiber managers and grommet

height: 43.2mm,

width: 482.6mm,

depth: 241.3mm

FCP3-RACK

Note: 1U = 44.5 mm

Compression Fittings

Compression fittings are utilized as an enhanced method for securing cables to FCP3 fiber enclosures. Acme threads on the body prevent skipping, allowing for faster installations of lock-nuts.

Part #   **Description**

CF-(XX) . . . . Compression fitting

Use (XX) to specify fiber diameter:
40 = 5.8 – 13.9mm,
51 = 11.4 – 18.0mm

Splice Trays (XGLO® and LightSystem®)

These aluminum trays come with a clear, snap-on polycarbonate cover and can be stacked for high-density applications. The standard tray holds up to 24 splices. The mini-tray for use with the SWIC3, accommodates up to 12 splices.

Part #   **Description**

TRAY-3 . . . . Standard splice tray for up to 24 fusion splices with sleeve protection. For use with RIC3 and FCP3 fiber enclosures

TRAY-M-3 . . . . Mini splice tray for up to 12 fusion splices with sleeve protection. For use with SWIC3 enclosures
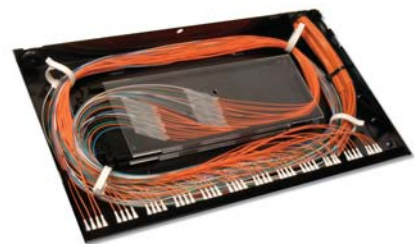
TRAY-3

TRAY-M-3

Standard Tray Dimensions
height: 103mm,
width: 298mm,
depth: 8.13mm

Mini Tray Dimensions
height: 103mm,
width: 179mm,
depth: 8.13mm

Heat Shrink Sleeves

Heat shrink sleeves provide a safe and efficient method for protecting fusion splices on either 250 or 900 micron coated fibers. Heat shrink sleeves are threaded on to fibers prior to fusion splicing and then positioned directly over splice and heated via an oven or heat gun.*

Part #	Description
HT-40	40mm heat shrink sleeve
HT-60	60mm heat shrink sleeve
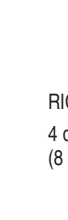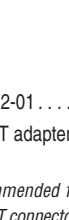
Heating times may vary depending on heat source.

Quick-Pack® Adapter Plates

Siemon's patented Quick-Pack adapter plates feature an integrated latch, which provides single-finger access to fiber even in fully populated enclosures.

XGLO® & Lightsystem®

RIC-F-SC6-01 . . . .
3 duplex SC adapters
(6 fibers)

RIC-F-SC8-01 . . . .
4 duplex SC adapters
(8 fibers)

RIC-F-SC12-01 . . . .
6 duplex SC adapters
(12 fibers)

RIC-F-LC12-01 . . . .
6 duplex LC adapters
(12 fibers), beige adapters

RIC-F-LC16-01 . . . .
4 quad LC adapters
(16 fibers), beige adapters

RIC-F-LC24-01 . . . .
6 quad LC adapters
(24 fibers), beige adapters

RIC-F-LCU12-01C . . . .
6 duplex LC adapters
(12 fibers), blue adapters
(not shown)

RIC-F-LCU16-01C . . . .
4 quad LC adapters
(16 fibers), blue adapters
(not shown)

RIC-F-LCU24-01C . . . .
6 quad LC adapters
(24 fibers), blue adapters
(not shown)

Lightsystem®

RIC-F-SA6-01 . . . . . .
3 duplex ST adapters
(6 fibers)

RIC-F-SA8-01 . . . . . .
4 duplex ST adapters
(8 fibers)

RIC-F-SA12-01 . . . . .
6 duplex ST adapters
(12 fibers)

Only recommended for push-pull ST connectors due to access con-straints

RIC-F-BLNK-01 . . . . .
Blank adapter plate

Each adapter plate with icon pockets includes red, blue, black, and clear icons with paper labels. All SC and ST adapters are "universal" to support multimode and singlemode.

See page 6.1 for MTP to MTP adapter plates.

Fiber Management Tray (FMT)

The Siemon Fiber Management Tray (FMT) is an economical solution for managing fiber cable slack and splice trays. The management tray has been designed to easily retrofit any standard 1 RMS CT® or MAX® Series Patch Panel and can organize up to 32 fibers. The tray is only 254mm (10 in.) deep, allowing it to readily fit into cabinet enclosures. Each enclosure can accept up to two fiber splice trays.

Part #	Description	RMS
CT-FMT-16	Fiber tray for 1 RMS CT or MAX Panel	1

Note: 1 RMS = 44.5mm (1.75 in.)