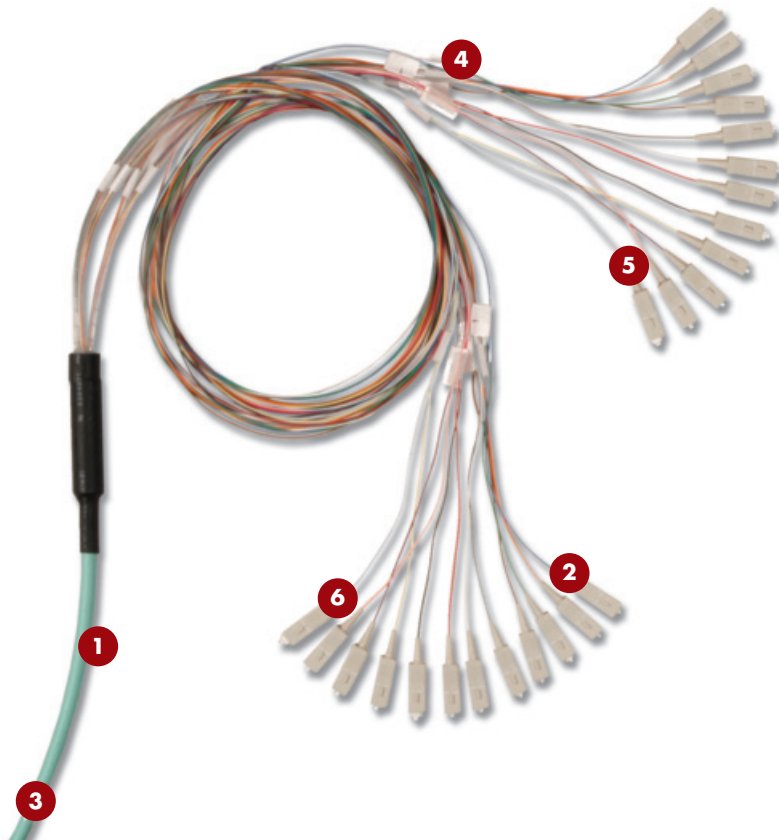# XGLO™ & LightSystem®
Fiber Trunking Cable Assemblies

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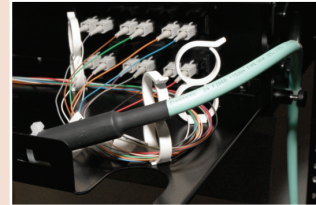
Pulling Eye
An optional encapsulated protection sleeve with cable pulling eye protects the fiber during installation.

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

Protective Packaging
Each assembly is individually packaged to protect factory terminations.

See ordering information next page

RoHS Compliant

1. **Siemon Cable** — Utilizes 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
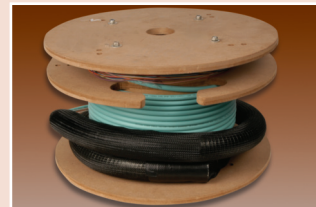
4. **Custom Assembly** — Fiber assemblies can be created based on a flexible part number scheme for performance options to best suit each installation

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

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

SIEMON™

Fiber Trunking Cable Assemblies

T F - (X) (X) (X) (X) (X X) (X X) (X X X) (X)

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

* Non-armored only

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

Fiber Type:
A = Singlemode (XGLO®)—Yellow (OS1)
B = 62.5/125 (LightSystem®)—Orange (OM1)
C = 50/125 (LightSystem)—Orange (OM2)
L = 50/125 Laser Optimized (XGLO)—Aqua (OM3)
V = 50/125 Laser Optimized (XGLO)—Aqua (OM4)

Cable Type:
P = Plenum—Indoor Distribution (OFNP)
R = Riser—Indoor Distribution (OFNR)
L = LS0H—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

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

Unit of Measure:
F = Feet
M = Meters

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

1 meter (3.3 ft)   1 meter (3.3 ft)

**Ordering length is measured connector tip to connector tip.
900 micron, buffered, 1m (3.3 ft.) breakout. Minimum order
length is 4 meters (12 ft.).

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

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Fiber Trunking Cable Assemblies

CABLE — Optical and Physical Specifications

Cable Type	Multimode				Singlemode
	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 (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 G652.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)
62.5/125µm Multimode (OM1)	LightSystem	0.50 (0.15 Typical)	25 (30 Typical)
50/125µm Multimode (OM2)	LightSystem	0.50 (0.15 Typical)	25 (30 Typical)
50/125µm Laser Optimized (OM3, OM4)	XGLO	0.25 (0.10 Typical)	30 (35 Typical)
Singlemode (OS2)(UPC)	XGLO	0.40 (0.25 Typical)	55 (57 Typical)

CONNECTORS — Physical Specifications

Connector Type	IEC Intermateabilty Compliance	TIA Intermateabilty 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)

Note: Because we are continously improving our products, Siemon reserves the right to change specifications and availability without prior notice

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