

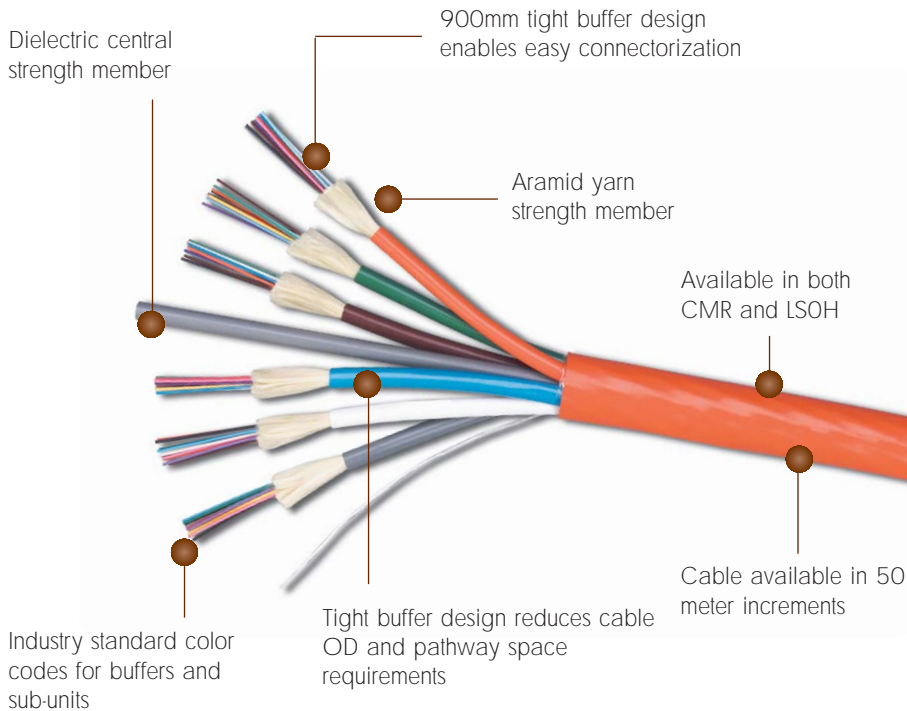
XGLO™ FIBER OPTIC CABLE

Part of Siemon's 10G ip™ cabling solution, XGLO fiber optic cable is ideal for next generation backbone or fiber-to-the-desk applications. XGLO cable meets IEC-60793-2-10 and TIA-492AAAC specifications for laser bandwidth Differential Mode Delay (DMD). These high performance cables dramatically reduce impurities in the fiber core, ensuring optimum applications support for laser based applications, such as 10 Gigabit Ethernet serial transmission.

Installation applications include: Intra-building backbones, vertical shafts within buildings — riser, and dry ducts, conduits.

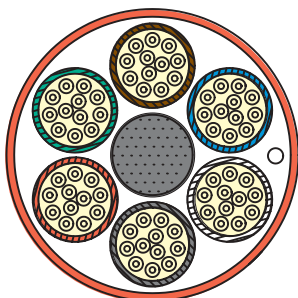
10G ip™

FIBER PRODUCTS



Data Applications:

- 10 Gigabit Ethernet
- Gigabit Ethernet
- 10/100 Ethernet
- ATM
- FDDI
- Broadband video
- Existing and future applications approved by TIA, EIA, IEEE, ATM Forum, ANSI, IEC or ISO that specify compatibility with the type of cable installed per ANSI/TIA/EIA-568-B.1



72 Fiber Version shown

Compliance:

- ISO/IEC 11801:2002 2nd Edition
- ANSI/TIA/EIA-568-B.3
- ANSI/TIA/EIA-568-B.3-1
- IEC 61156-5 1st Edition
- LSOH: VW-1, IEC 1034, IEC 754
- CMR: Communications Type ONFR (UL) and CSA FT4 c(UL)
- IEC-60793-2-10
- TIA-492AAAC laser bandwidth DMD specification
- IEC 60793-2-49 and TIA/EIA 455-220 DMD measurement test procedures

PRODUCT INFORMATION

OPTICAL SPECIFICATIONS — RISER, PLENUM & LSOH

Minimum Performance Parameters for XGLO™ 50/125 Multimode Fiber

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
900	600	300	300	Laser - 2000 OFL - 1500	Laser - 500 OFL - 500	3.5	1.5	1.483	1.478

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber	Cable Type	Maximum Attenuation (dB/km)		Zero Dispersion		Index of Refraction	
		1310 nm	1550 nm	Wavelength (nm)	Slope (nm ² -km)	1310 nm	1550 nm
Singlemode	Inside Plant	0.70	0.70	1300-1322	<0.092	1.466	1.467

Mode and Fiber Type	Core Size (Microns)	Cladding Size (Microns)	Coating Size (Microns)	Buffer Size (Microns)	Core Cladding Concentricity (Microns)
50/125µm	50 ± 3	125 ± 2	245 ± 5	900 ± 50	<12
Singlemode	8.3 ± 1	125 ± 2			

PHYSICAL SPECIFICATIONS — RISER

Fiber Count	Nominal Cable Diameter mm (in.)	Maximum Pulling Tension Newtons (lbs)		Minimum Bend Radius		Maximum Net Weight kg/km (lbs/1000 ft.)
		Installation	Long Term	Installation	Long Term	
4	5.21 (0.205)	1000 (225)	290 (65)	15 x DIA.	10 x DIA.	22 (15)
6	5.72 (0.225)	1000 (225)	290 (65)			27 (18)
12	6.60 (0.260)	1425 (325)	500 (112)			36.9 (25)
24	13.97 (0.550)	2670 (600)	600 (135)			140 (94)
48	16.76 (0.660)	4450 (1000)	1000 (225)			193.5 (130)
72	19.94 (0.785)	5560 (1250)	1245 (280)			300 (202)
96	22.43 (0.883)	7340 (1650)	1670 (375)	20 x DIA.		426 (286)

Fiber Count	Minimum Crush Resistance (N/cm)	Minimum Impact Cycles	Minimum Flex Resistance Cycles	Operating Temperature (° C)	Storage Temperature (° C)
4	1485	500	1000	-20/70	-40/70
6		500			
12		1000			
24		1000			
48		1000			
72		1000			
96		1500			

PHYSICAL SPECIFICATIONS — PLENUM

Fiber Count	Nominal Cable Diameter mm (in.)	Maximum Pulling Tension Newtons (lbs)		Minimum Bend Radius		Maximum Net Weight kg/km (lbs/1000 ft.)
		Installation	Long Term	Installation	Long Term	
4	5.10 (0.201)	1000 (225)	290 (65)	15 x DIA.	10 x DIA.	22 (15)
6	5.21 (0.205)	1400 (315)	400 (90)			24 (16)
12	7.62 (0.300)	1400 (315)	500 (112)			59.6 (40)
24	13.59 (0.535)	2670 (600)	600 (135)			160.8 (108)
48	15.04 (0.592)	4450 (1000)	1000 (225)			198 (133)
72	19.56 (0.770)	5560 (1250)	1245 (280)			300 (202)
96	22.70 (0.894)	7340 (1650)	1670 (375)			426 (286)

Fiber Count	Minimum Crush Resistance (N/cm)	Minimum Impact Cycles	Minimum Flex Resistance Cycles	Operating Temperature (° C)	Storage Temperature (° C)
4	1485	500	1000	-20/50	-40/70
6		500			
12		1000			
24		1000			
48		1500			
72		1500			
96		1500			

PHYSICAL SPECIFICATIONS — LSOH

Fiber Count	Nominal Cable Diameter mm (in.)	Maximum Pulling Tension Newtons (lbs)		Minimum Bend Radius		Maximum Net Weight kg/km (lbs/1000 ft.)
		Installation	Long Term	Installation	Long Term	
4	5.36 (0.211)	1000 (225)	290 (65)	15 x DIA.	10 x DIA.	22 (15)
6	5.72 (0.225)	1400 (315)	400 (90)			23.8 (16)
12	6.60 (0.260)	1425 (320)	500 (112)			36 (24)
24	14.91 (0.587)	4450 (1000)	1000 (225)			156 (105)
48	17.09 (0.673)	4450 (1000)	1000 (225)			211 (142)
72	19.56 (0.770)	5500 (1236)	1245 (280)			300 (202)
96	22.70 (0.894)	7340 (1650)	1670 (375)			426 (286)

Fiber Count	Minimum Crush Resistance (N/cm)	Minimum Impact Cycles	Minimum Flex Resistance Cycles	Operating Temperature (° C)	Storage Temperature (° C)
4	1485	500	1000	-20/50	-40/70
6		500			
12		1000			
24		1000			
48		1500			
72		1500			
96		1500			

ORDERING INFORMATION

FIBER PRODUCTS

Distribution — XGLO™ Fiber Optic Cable

Part Number & Description:

PART #	FIBER COUNT	# OF SUB-UNITS (FIBERS/SUB-UNIT)
9F(XX)B(X)-4A(XXXX)	4	.Single Unit
9F(XX)B(X)-6B(XXXX)	6	.Single Unit
9F(XX)B(X)-12D(XXXX)	12	.Single Unit
9F(XX)B(X)-24B(XXXX)	24	.4 (6)
9F(XX)B(X)-48D(XXXX)	48	.4 (12)
9F(XX)B(X)-72D(XXXX)	72	.6 (12)
9F(XX)B(X)-96D(XXXX)	96	.8 (12)

Use (XX) to specify mode:

5L = 50/125µm multimode laser optimized cable

8L = Singlemode laser optimized cable

Use (X) to specify cable rating: 1 = CMR, 2 = plenum, 3 = LSOH

Use (XXXX) to specify length in kilometer, use four characters including decimal point.

The last "X" must be a zero (0) or five (5) only.

Example P/N: 9F5LB1-12D1.50;

(1.5 kilometers [1500 meters] of 50/125µm laser optimized 12-strand riser rated fiber optic cable)

For orders of less than 1 KM, the first "X" must be zero (0).

Example: 9F5LB1-12D0.55 (.550 kilometers [550 meters] of 50/125µm laser optimized 12-strand riser rated fiber optic cable)

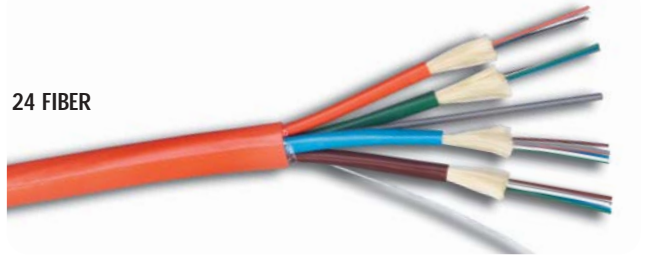
4 & 6 FIBER



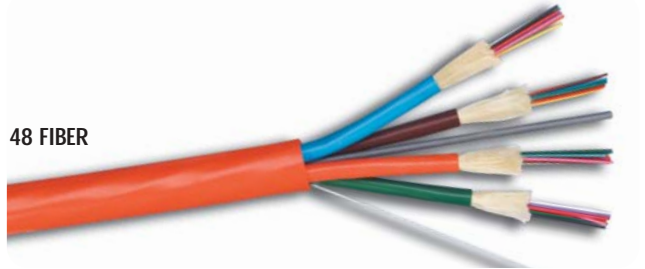
12 FIBER



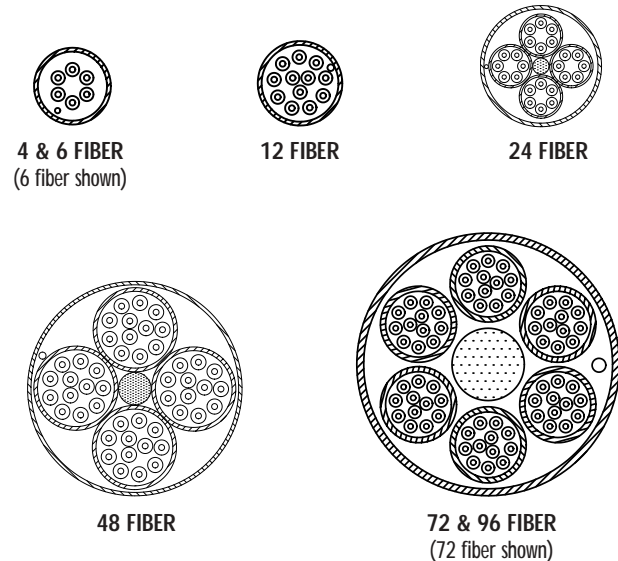
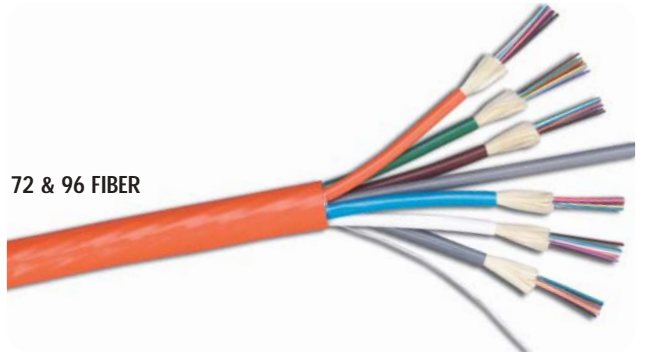
24 FIBER



48 FIBER



72 & 96 FIBER



Because we are continuously improving our products, The Siemon Company reserves the right to change specifications and availability without prior notice. XGLO™ is a trademark of The Siemon Company

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