

XGLO® & LightSystem® Indoor/Outdoor LooseTube - EMEA

Siemon LSOH (IEC 60332-1) indoor/outdoor loose tube cables are ideal for 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 and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

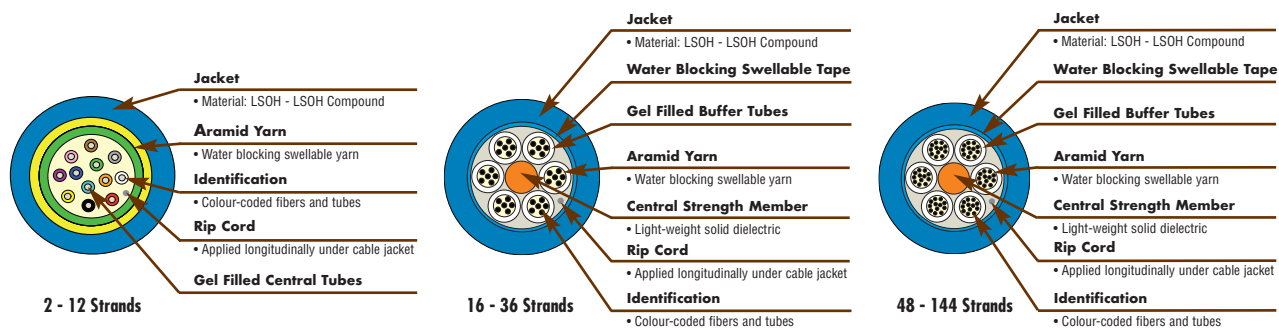
Ordering Information:

9GG(X)L(XXXX)-(XXXX)M LightSystem Multimode 62.5/125 OM1, XGLO Multimode 50/125 OM3, 50/125 OM4, Singlemode

Fiber Type	Length
6 = 62.5/125µm	M = Meters
5 = 50/125µm	
8 = OS1/OS2 Singlemode	

Cable Rating	Class Performance
L = LSOH - 1	G106 = OM1 62.5/125µm, Blue
	T306 = OM3 50/125µm Laser Optimised, Blue
	T506 = OM4 50/125µm Laser Optimised, Blue
	T516 = OM4 50/125µm Laser Optimised, Erika Violet
	E206 = OS1/OS2 Singlemode, Blue

Fiber Count	
002B = 2 (1 Tube with 2 Fibers)	024D = 24 (4 Tubes with 6 Fibers)
004C = 4 (1 Tube with 4 Fibers)	036G = 36 (6 Tubes with 6 Fibers)
006D = 6 (1 Tube with 6 Fibers)	048G = 48 (4 Tubes with 12 Fibers)
008E = 8 (1 Tube with 8 Fibers)	072G = 72 (6 Tubes with 12 Fibers)
012G = 12 (1 Tube with 12 Fibers)	096G = 96 (8 Tubes with 12 Fibers)
016D = 16 (2 Tubes with 6 Fibers, 1 Tube with 4 Fibers)	144G = 144 (12 Tubes with 12 Fibers)



Note: The 2-12 strand rodent resistant cables feature a glass yarn design with a high tensile strength and degree of rodent protection which is effective in many cases. The function of glass yarns differs from the other rodent protection materials such as a 100% metallic armour protection. The glass yarns provide a degree of protection because it is disagreeable and unpleasant for most rodents to gnaw the glass yarns.

LIGHTSYSTEM Multimode, 62.5/125, OM1	XGLO 300 Multimode, 50/125, OM3	XGLO 550 Multimode, 50/125, OM4	XGLO Singlemode, OS1/OS2																																																																																				
STANDARDS COMPLIANCE <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM1 (62.5/125) ANSI/TIA-568.3-D ANSI/TIA-598-D ANSI/TIA-492 AAAA Telcordia GR-409-CORE IEC 60332-1-2 (Single strand) IEC 60754-1-2 (Non Halogens) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density) EN 60332-1-2 Class Eco 	STANDARDS COMPLIANCE <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ANSI/TIA-568.3-D ANSI/TIA-598-D ANSI/TIA-492 AAAC IEC 60793-2-10 Fiber Type A1a.2 Telcordia GR-409-CORE IEC 60332-1-2 (Single strand) IEC 60754-1-2 (Non Halogens) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density) EN 60332-1-2 Class Eco 	STANDARDS COMPLIANCE <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ISO/IEC 11801:2002 Amendment 2 OM4 ANSI/TIA-568.3-D ANSI/TIA-598-D ANSI/TIA-492 CAAB ANSI/TIA-492 AAAD IEC 60793-2-10 Fiber Type A1a.3 Telcordia GR-409-CORE IEC 60332-1-2 (Single strand) IEC 60754-1-2 (Non Halogens) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density) EN 60332-1-2 Class Eco 	STANDARDS COMPLIANCE <ul style="list-style-type: none"> ISO/IEC 11801:Ed 2.0 Amendment:1:2008 ANSI/TIA-568.3-D ANSI/TIA-598-D ANSI/TIA-492 CAAB Telcordia GR-409-CORE ITU-T G.652 C/D IEC 60332-1-2 (Single strand) IEC 60754-1-2 (Non Halogens) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density) EN 60332-1-2 Class Eco 																																																																																				
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LightSystem Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for LightSystem 62.5/125µm Multimode Fiber

Fiber Type	Wavelength nm	Maximum Attenuation (dB/km)	Minimum Modal Bandwidth (MHz·km)	Guaranteed Gigabit Transmission Distance Meters (Feet)
62.5/125 (OM1)	850	3.5	200	275 (902)
	1300	1.0	500	550 (1804)

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

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)	
	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
50/125 (OM4)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.0	1.0

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)
Singlemode (OS1/OS2)	1310	0.40
	1550	0.30

XGLO and LightSystem Indoor/Outdoor LooseTube (EMEA) Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Newtons		Nominal Net Weight kg/km
		Installation	Long Term	
2	7.5	1500	700	55
4	7.5	1500	700	55
6	7.5	1500	700	55
8	7.5	1500	700	55
12	7.5	1500	700	55
16	10.5	1800	1200	90
24	10.5	1800	1200	90
36	10.5	1800	1200	90
48	10.5	1800	1200	90
72	10.5	1800	1200	90
96	12.0	1800	1200	125
144	15.0	1800	1200	190

Fiber Count	Maximum Crush Resistance (N/mm)	Operation Temperature °C (°F)	Installation Temperature °C (°F)	Storage Temperature °C (°F)	Minimum Bend Radius	
					Installation	Long Term
2-12	20	-20 to 70 (-4 to 158)	-20 to 70 (-14 to 158)	-40 to 70 (-40 to 158)	20 x DIA.	10 x DIA.
16-144	30	-20 to 70 (-4 to 158)	-20 to 70 (-4 to 158)	-40 to 70 (-40 to 158)	20 x DIA.	10 x DIA.

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