

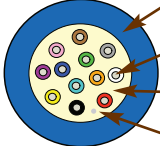
XGLO® & LightSystem® Indoor/Outdoor Tight Buffer Fiber Cable - EMEA

Siemon LSOH (IEC 60332-1) indoor/outdoor tight buffer cables are ideal for data centres, 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:

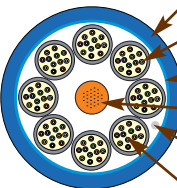
9GD(X)L(XXXX)-(XXXX)M LightSystem Multimode 62.5/125 OM1, XGLO Multimode 50/125 OM3, 50/125 OM4, Singlemode

<p>Fiber Type</p> <p>6 = 62.5/125µm 5 = 50/125µm 8 = OS1/OS2 Singlemode</p> <p>Cable Rating</p> <p>L = LSOH · 1</p>	<p>Fiber Count (Subunit)</p> <p>002B = 2 (1 Tube with 2 Fibers) 004C = 4 (1 Tube with 4 Fibers) 006D = 6 (1 Tube with 6 Fibers) 008E = 8 (1 Tube with 8 Fibers) 012G = 12 (1 Tube with 12 Fibers) 016K = 16 (1 Tube with 16 Fibers) 024L = 24 (1 Tube with 24 Fibers) 048D = 48 (8 Tubes with 6 Fibers) 072G = 72 (6 Tubes with 12 Fibers)</p>	<p>Length</p> <p>M = Meters</p> <p>Class Performance</p> <p>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</p>
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2 - 24 Strands

- Jacket**
 - Material: LSOH - LSOH Compound
- Identification**
 - Colour-coded fibers
- Aramid Yarn**
 - Water blocking swellable yarn
- Rip Cord**
 - Applied longitudinally under cable jacket



48 - 72 Strands

- Jacket**
 - Material: LSOH - LSOH Compound
- Aramid Yarn**
 - Water blocking swellable yarn
- Water Blocking Swellable Tape**
- Central Strength Member**
 - Light-weight solid dielectric
- Rip Cord**
 - Applied longitudinally under cable jacket
- Identification**
 - Colour-coded fibers and tubes

LIGHTSYSTEM Multimode 62.5/125, OM1		XGLO 300 Multimode 50/125, OM3		XGLO 550 Multimode 50/125, OM4		XGLO Singlemode, OS1/OS2	
STANDARDS COMPLIANCE		STANDARDS COMPLIANCE		STANDARDS COMPLIANCE		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 Eca 		<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 Eca 		<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 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 Eca 		<ul style="list-style-type: none"> ISO/IEC 11801:2002 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 Eca 	
APPLICATIONS SUPPORT		APPLICATIONS SUPPORT		APPLICATIONS SUPPORT		APPLICATIONS SUPPORT	
APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)
10GBASE-S (850 nm)	N/A	10GBASE-S (850 nm)	300	10GBASE-S (850 nm)	550	10GBASE-L (1310 nm)	8,000
62.5/125µm	26	10GBASE-LX4 (1300 nm)	300	10GBASE-LX4 (1300 nm)	300	10GBASE-E (1550 nm)	30,000
1000BASE-S (850 nm)	N/A	1000BASE-S (850 nm)	1000	1000BASE-S (850 nm)	1100	10G Fiber Channel (Serial-1310 nm)	10,000
62.5/125µm	275	1000BASE-LX (1300 nm)	600	1000BASE-LX (1300 nm)	600	10G Fiber Channel (WDM-1310 nm)	10,000
1000BASE-LX (1300 nm)	550	Fiber Channel 266 (1300 nm)	1,500	Fiber Channel 266 (1300 nm)	1,500	1000BASE-LX (1300 nm)	5,000
Fiber Channel 266 (1300 nm)	1,500	ATM 622 (1300 nm)	500	ATM 622 (1300 nm)	500	Fiber Channel 266/1062 (1300 nm)	10,000
ATM 622 (1300 nm)	500	ATM 155 (1300 nm)	2,000	ATM 155 (1300 nm)	2,000	ATM 52/155/622 (1300 nm)	15,000
ATM 155 (1300 nm)	2,000	ATM 52 (1300 nm)	3,000	ATM 52 (1300 nm)	3,000		
ATM 52 (1300 nm)	3,000	FDD1 (Original-1300 nm)	2,000	FDD1 (Original-1300 nm)	2,000		
FDD1 (Original-1300 nm)	2,000	100BASE-FX (1300 nm)	2,000	100BASE-FX (1300 nm)	2,000		
100BASE-FX (1300 nm)	2,000						

XGLO® & LightSystem® Indoor/Outdoor Tight Buffer - EMEA

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 Tight Buffer (EMEA) Physical Specifications

PHYSICAL SPECIFICATIONS

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Newtons		Nominal Net Weight kg/km
		Installation	Long Term	
2	5.9	1500	750	26
4	6.1	1500	750	28
6	6.3	1500	750	31
8	6.7	1500	750	34
12	7.3	1500	750	40
16	7.6	1500	750	45
24	8.4	1500	750	55
48	15	4200	1400	260
72	20	5400	1800	420

Fiber Count	Maximum Crush Resistance (N/mm)	Operation Temperature °C (°F)	Installation Temperature °C (°F)	Storage Temperature °C	Minimum Bend Radius	
					Installation	Long Term
2-24	5	-20 to 70 (-4 to 158)	-20 to 70 (-4 to 158)	-40 to 70 (-40 to 70)	20 x DIA.	10 x DIA.
48-72	30	-40 to 70 (-40 to 158)	-40 to 70 (-40 to 158)	-40 to 70 (-40 to 70)	20 x DIA.	10 x DIA.

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

