

XGLO® & LightSystem® Indoor/Outdoor Tight Buffer (EMEA)

Siemon LSOH (IEC 60332-1) indoor/outdoor 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

LightSystem Multimode 62.5/125 OM1, Multimode 50/125 OM2, XGLO Multimode 50/125 OM3 and OM4, Singlemode OS1/OS2

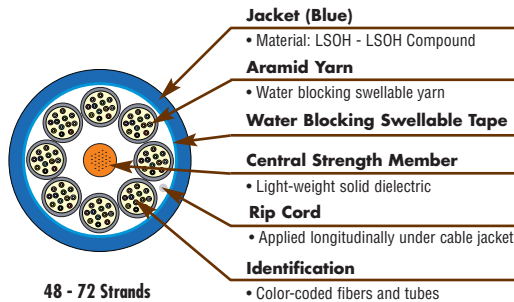
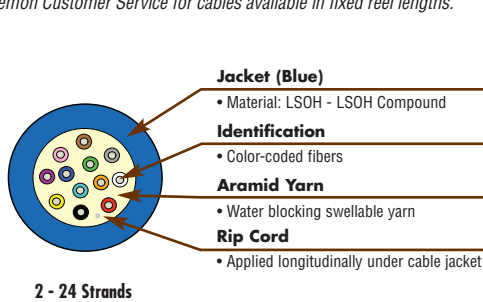
Part #	Fiber Count	Construction
9GD(X)L002B-(XXXX)M	2	1 tube of 2 fibers
9GD(X)L004C-(XXXX)M	4	1 tube of 4 fibers
9GD(X)L006D-(XXXX)M	6	1 tube of 6 fibers
9GD(X)L008E-(XXXX)M	8	1 tube of 8 fibers
9GD(X)L012G-(XXXX)M	12	1 tube of 12 fibers

Part #	Fiber Count	Construction
9GD(X)L016K-(XXXX)M	16	1 tube of 16 fibers
9GD(X)L024L-(XXXX)M	24	1 tube of 24 fibers
9GD(X)L048D-(XXXX)M	48	8 tubes of 6 fibers
9GD(X)L072G-(XXXX)M	72	6 tubes of 12 fibers

Use 1st (X) to specify fiber type: 5 = 50/125µm, 6 = 62.5/125µm, 8 = Singlemode

Use (XXXX) to specify class performance: G106 = OM1 62.5µm, T106 = OM2 50µm, T306 = OM3 50µm Laser Optimized, T506 = OM4 50µm Laser Optimized, E206 = OS1/OS2 Singlemode M= meters

Note: Contact Siemon Customer Service for cables available in fixed reel lengths.



LIGHTSYSTEM OM1 Multimode 62.5/125 OM2 Multimode 50/125	XGLO 300 OM3 Multimode 50/125	XGLO 550 OM4 Multimode 50/125	XGLO OS1/OS2 Singlemode																																																																																								
STANDARDS COMPLIANCE <ul style="list-style-type: none"> 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 IEC 60332-1-2 (Single strand) IEC 60754-1-2 (Non Halogens) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density) 	STANDARDS COMPLIANCE <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ANSI/TIA/EIA-568-C.3 ANSI/TIA-598-C ANSI/TIA-492 AAAC 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) 	STANDARDS COMPLIANCE <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ISO/IEC 11801:2002 Amendment 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 IEC 60332-1-2 (Single strand) IEC 60754-1-2 (Non Halogens) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density) 	STANDARDS COMPLIANCE <ul style="list-style-type: none"> 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 IEC 60332-1-2 (Single strand) IEC 60754-1-2 (Non Halogens) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density) 																																																																																								
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XGLO® & LightSystem® Indoor/Outdoor Tight Buffer (EMEA)

LightSystem® Gigabit Ethernet Fiber Optic Cable

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

Fiber Type	Wavelength nm	Maximum Attenuation (dB/km)	Minimum Modal Bandwidth (MHz·km)	Guaranteed Gigabit Transmission Distance (Meters)	Index of Refraction
62.5/125 (OM1)	850	3.5	200	275	1.495
	1300	1.0	500	550	1.490
50/125 (OM2)	850	3.5	500	550	1.483
	1300	1.0	500	550	1.479

*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)		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	0.40	1312 ± 10	≤0.089	1.468
	1550	0.30	1312 ± 10	≤0.089	1.468
	1310 - 1625	<0.40	1312 ± 10	≤0.089	1.468

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	4.9	1500	750	15
4	5.3	1500	750	22
6	5.5	1500	750	23
8	5.8	1500	750	26
12	6.6	1500	750	32
16	7.8	1500	750	40
24	8.0	1500	750	48
48	15	4200	1400	260
72	20	5400	1800	420

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

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

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

LightSystem® & XGLO® are trademarks of Siemon