

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. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

LightSystem Multimode 62.5/125 OM1, 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

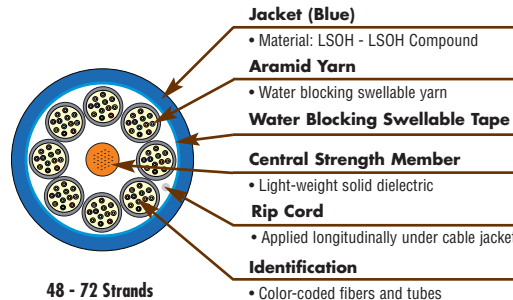
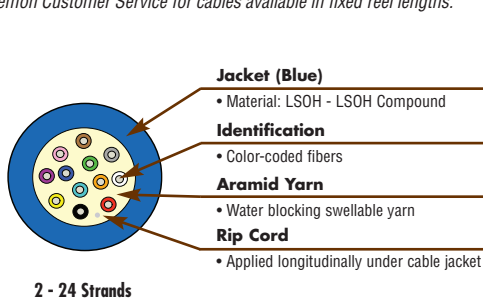
Part #	Fiber Count	Construction
9GD(X)L016K-(XXXX)M	16	1 tube of 16 fibers
9GD(X)L024L-(XXXX)M	24	1 tube of 24 fibers
9GD(X)L048D-(XXXX)M	48	8 tubes of 6 fibers
9GD(X)L072G-(XXXX)M	72	6 tubes of 12 fibers

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

Use (XXXX) to specify class performance: G106 = OM1 62.5µm, 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 Multimode 62.5/125 OM1	XGLO 300 Multimode 50/125 OM3	XGLO 550 Multimode 50/125 OM4	XGLO Singlemode OS1/OS2																																																																																				
<p>STANDARDS COMPLIANCE</p> <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM1 (62.5/125) ANSI/TIA/EIA-568-C.3 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) <p>APPLICATIONS SUPPORT</p> <table border="1"> <thead> <tr> <th>APPLICATION</th> <th>DISTANCE (m)</th> </tr> </thead> <tbody> <tr><td>10GBASE-S (850 nm)</td><td>N/A</td></tr> <tr><td>62.5/125µm</td><td>26</td></tr> <tr><td>1000BASE-S (850 nm)</td><td>N/A</td></tr> <tr><td>62.5/125µm</td><td>275</td></tr> <tr><td>1000BASE-LX (1300 nm)</td><td>550</td></tr> <tr><td>Fiber Channel 266 (1300 nm)</td><td>1,500</td></tr> <tr><td>ATM 622 (1300 nm)</td><td>500</td></tr> <tr><td>ATM 155 (1300 nm)</td><td>2,000</td></tr> <tr><td>ATM 52 (1300 nm)</td><td>3,000</td></tr> <tr><td>FDD1 (Original-1300 nm)</td><td>2,000</td></tr> <tr><td>100BASE-FX (1300 nm)</td><td>2,000</td></tr> </tbody> </table>	APPLICATION	DISTANCE (m)	10GBASE-S (850 nm)	N/A	62.5/125µm	26	1000BASE-S (850 nm)	N/A	62.5/125µm	275	1000BASE-LX (1300 nm)	550	Fiber Channel 266 (1300 nm)	1,500	ATM 622 (1300 nm)	500	ATM 155 (1300 nm)	2,000	ATM 52 (1300 nm)	3,000	FDD1 (Original-1300 nm)	2,000	100BASE-FX (1300 nm)	2,000	<p>STANDARDS COMPLIANCE</p> <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ANSI/TIA/EIA-568-C.3 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) <p>APPLICATIONS SUPPORT</p> <table border="1"> <thead> <tr> <th>APPLICATION</th> <th>DISTANCE (m)</th> </tr> </thead> <tbody> <tr><td>10GBASE-S (850 nm)</td><td>300</td></tr> <tr><td>10GBASE-LX4 (1300 nm)</td><td>300</td></tr> <tr><td>1000BASE-S (850 nm)</td><td>1000</td></tr> <tr><td>1000BASE-LX (1300 nm)</td><td>600</td></tr> <tr><td>Fiber Channel 266 (1300 nm)</td><td>1,500</td></tr> <tr><td>ATM 622 (1300 nm)</td><td>500</td></tr> <tr><td>ATM 155 (1300 nm)</td><td>2,000</td></tr> <tr><td>ATM 52 (1300 nm)</td><td>3,000</td></tr> <tr><td>FDD1 (Original-1300 nm)</td><td>2,000</td></tr> <tr><td>100BASE-FX (1300 nm)</td><td>2,000</td></tr> </tbody> </table>	APPLICATION	DISTANCE (m)	10GBASE-S (850 nm)	300	10GBASE-LX4 (1300 nm)	300	1000BASE-S (850 nm)	1000	1000BASE-LX (1300 nm)	600	Fiber Channel 266 (1300 nm)	1,500	ATM 622 (1300 nm)	500	ATM 155 (1300 nm)	2,000	ATM 52 (1300 nm)	3,000	FDD1 (Original-1300 nm)	2,000	100BASE-FX (1300 nm)	2,000	<p>STANDARDS COMPLIANCE</p> <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM4 ISO/IEC 11801:2002 Amendment 2 OM4 ANSI/TIA/EIA-568-C.3 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) <p>APPLICATIONS SUPPORT</p> <table border="1"> <thead> <tr> <th>APPLICATION</th> <th>DISTANCE (m)</th> </tr> </thead> <tbody> <tr><td>10GBASE-S (850 nm)</td><td>550</td></tr> <tr><td>10GBASE-LX4 (1300 nm)</td><td>300</td></tr> <tr><td>1000BASE-S (850 nm)</td><td>1100</td></tr> <tr><td>1000BASE-LX (1300 nm)</td><td>600</td></tr> <tr><td>Fiber Channel 266 (1300 nm)</td><td>1,500</td></tr> <tr><td>ATM 622 (1300 nm)</td><td>500</td></tr> <tr><td>ATM 155 (1300 nm)</td><td>2,000</td></tr> <tr><td>ATM 52 (1300 nm)</td><td>3,000</td></tr> <tr><td>FDD1 (Original-1300 nm)</td><td>2,000</td></tr> <tr><td>100BASE-FX (1300 nm)</td><td>2,000</td></tr> </tbody> </table>	APPLICATION	DISTANCE (m)	10GBASE-S (850 nm)	550	10GBASE-LX4 (1300 nm)	300	1000BASE-S (850 nm)	1100	1000BASE-LX (1300 nm)	600	Fiber Channel 266 (1300 nm)	1,500	ATM 622 (1300 nm)	500	ATM 155 (1300 nm)	2,000	ATM 52 (1300 nm)	3,000	FDD1 (Original-1300 nm)	2,000	100BASE-FX (1300 nm)	2,000	<p>STANDARDS COMPLIANCE</p> <ul style="list-style-type: none"> ISO/IEC 11801:Ed 2.0 Amendment:1:2008 ANSI/TIA/EIA-568-C.3 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) <p>APPLICATIONS SUPPORT</p> <table border="1"> <thead> <tr> <th>APPLICATION</th> <th>DISTANCE (m)</th> </tr> </thead> <tbody> <tr><td>10GBASE-L (1310 nm)</td><td>8,000</td></tr> <tr><td>10GBASE-E (1550 nm)</td><td>30,000</td></tr> <tr><td>10G Fiber Channel (Serial-1310 nm)</td><td>10,000</td></tr> <tr><td>10G Fiber Channel (WDM-1310 nm)</td><td>10,000</td></tr> <tr><td>1000BASE-LX (1300 nm)</td><td>5,000</td></tr> <tr><td>Fiber Channel 266/1062 (1300 nm)</td><td>10,000</td></tr> <tr><td>ATM 52/155/622 (1300 nm)</td><td>15,000</td></tr> </tbody> </table>	APPLICATION	DISTANCE (m)	10GBASE-L (1310 nm)	8,000	10GBASE-E (1550 nm)	30,000	10G Fiber Channel (Serial-1310 nm)	10,000	10G Fiber Channel (WDM-1310 nm)	10,000	1000BASE-LX (1300 nm)	5,000	Fiber Channel 266/1062 (1300 nm)	10,000	ATM 52/155/622 (1300 nm)	15,000
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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)
62.5/125 (OM3)	850	3.5	200	275
	1300	1.0	500	550

*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 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.

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