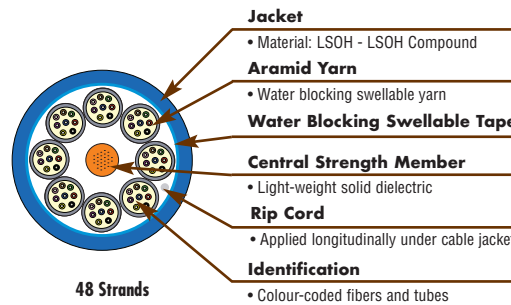
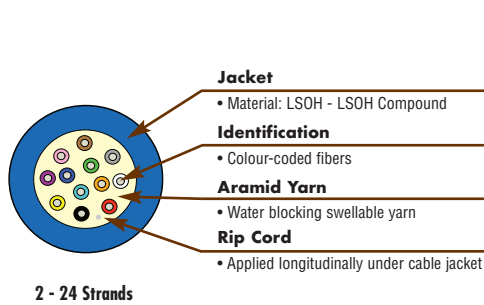
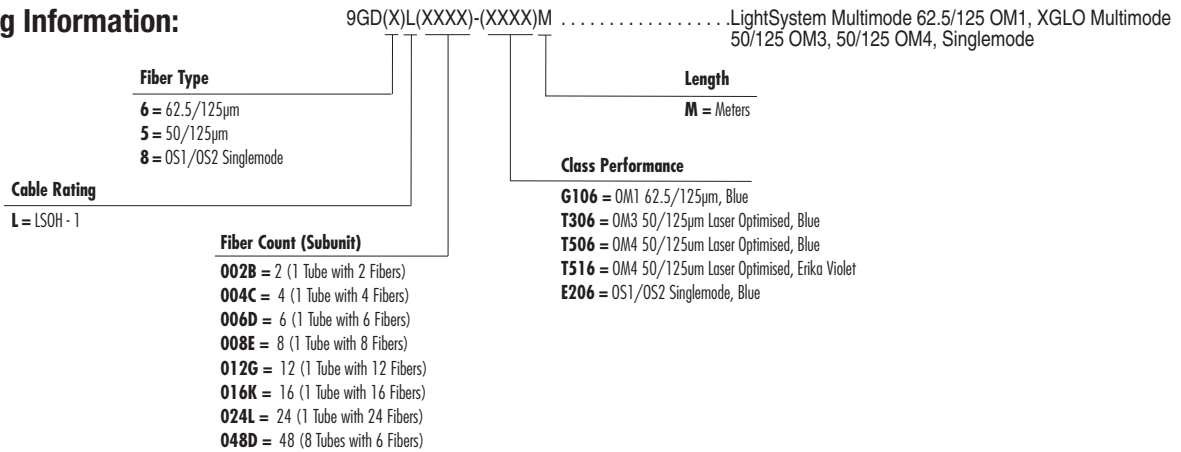


# XGLO® & LightSystem® Indoor/Outdoor Tight Buffer Fiber Cable, Eca - EMEA

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:



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

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	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.