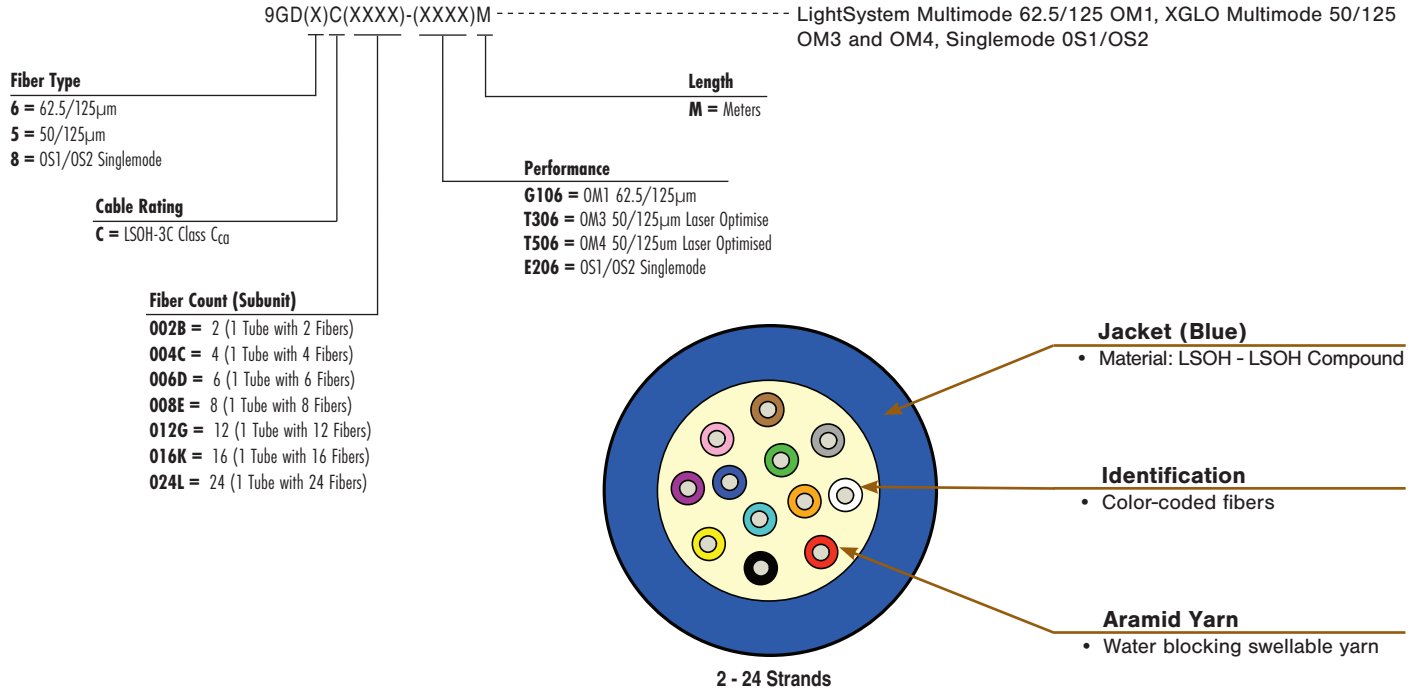


# XGLO® & LightSystem® Indoor/Outdoor Tight Buffer, C<sub>ca</sub>S<sub>1a</sub>d<sub>1a</sub>1 - EMEA

Siemon LSOH-FR indoor/outdoor tight buffer fiber 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
<b>STANDARD COMPLIANCE</b>	<b>STANDARD COMPLIANCE</b>	<b>STANDARD COMPLIANCE</b>	<b>STANDARD COMPLIANCE</b>
<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</li> <li>• IEC 60332-3, IEC 60332-1-12 (Single strand)</li> <li>• IEC 60754-2 (Acid gas)</li> <li>• IEC 61034-2 (Smoke Density)</li> <li>• EN 50399</li> <li>• Class E<sub>ca</sub>, D<sub>ca</sub></li> <li>• Class C<sub>ca</sub> s<sub>1a</sub>, d<sub>1</sub>, a<sub>1</sub></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</li> <li>• IEC 60332-3, IEC 60332-1-12 (Single strand)</li> <li>• IEC 60754-2 (Acid gas)</li> <li>• IEC 61034-2 (Smoke Density)</li> <li>• EN 50399</li> <li>• Class E<sub>ca</sub>, D<sub>ca</sub></li> <li>• Class C<sub>ca</sub> s<sub>1a</sub>, d<sub>1</sub>, a<sub>1</sub></li> </ul>	<ul style="list-style-type: none"> <li>• ISO/IEC 11801:2002 OM3</li> <li>• ISO/IEC 11801:2002 Ammdment 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</li> <li>• IEC 60332-3, IEC 60332-1-12 (Single strand)</li> <li>• IEC 60754-2 (Acid gas)</li> <li>• IEC 61034-2 (Smoke Density)</li> <li>• EN 50399</li> <li>• Class E<sub>ca</sub>, D<sub>ca</sub></li> <li>• Class C<sub>ca</sub> s<sub>1a</sub>, d<sub>1</sub>, a<sub>1</sub></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, Class</li> <li>• IEC 60332-3, IEC 60332-1-12 (Single strand)</li> <li>• IEC 60754-2 (Acid gas)</li> <li>• IEC 61034-2 (Smoke Density)</li> <li>• EN 50399</li> <li>• Class E<sub>ca</sub>, D<sub>ca</sub></li> <li>• Class C<sub>ca</sub> s<sub>1a</sub>, d<sub>1</sub>, a<sub>1</sub></li> </ul>
<b>APPLICATIONS SUPPORT</b>	<b>APPLICATIONS SUPPORT</b>	<b>APPLICATIONS SUPPORT</b>	<b>APPLICATIONS SUPPORT</b>
<b>APPLICATION</b>	<b>APPLICATION</b>	<b>APPLICATION</b>	<b>APPLICATION</b>
<b>DISTANCE(m)</b>	<b>DISTANCE(m)</b>	<b>DISTANCE(m)</b>	<b>DISTANCE(m)</b>
<ul style="list-style-type: none"> <li>• 10GBASE-S (850 nm) N/A</li> <li>• 62.5/125µm 26</li> <li>• 1000BASE-S (850 nm) N/A</li> <li>• 62.5/125µm 275</li> <li>• 1000BASE-LX (1300 nm) 550</li> <li>• Fiber Channel 266 (1300 nm) 1,500</li> <li>• ATM 622 (1300 nm) 500</li> <li>• ATM 155 (1300 nm) 2,000</li> <li>• ATM 52 (1300 nm) 3,000</li> <li>• ATM 52 (1300 nm) 3,000</li> <li>• FDDI (Original-1300 nm) 2,000</li> <li>• 100BASE-FX (1300 nm) 2,000</li> </ul>	<ul style="list-style-type: none"> <li>• 10GBASE-S (850 nm) 300</li> <li>• 10GBASE-LX4 (1300 nm) 300</li> <li>• 1000BASE-S (850 nm) 1000</li> <li>• 1000BASE-LX (1300 nm) 600</li> <li>• Fiber Channel 266 (1300 nm) 1,500</li> <li>• ATM 622 (1300 nm) 500</li> <li>• ATM 155 (1300 nm) 2,000</li> <li>• ATM 52 (1300 nm) 3,000</li> <li>• FDDI (Original-1300 nm) 2,000</li> <li>• 100BASE-FX (1300 nm) 2,000</li> </ul>	<ul style="list-style-type: none"> <li>• 10GBASE-S (850 nm) 550</li> <li>• 10GBASE-LX4 (1300 nm) 300</li> <li>• 1000BASE-S (850 nm) 1100</li> <li>• 1000BASE-LX (1300 nm) 600</li> <li>• Fiber Channel 266 (1300 nm) 1,500</li> <li>• ATM 622 (1300 nm) 500</li> <li>• ATM 155 (1300 nm) 2,000</li> <li>• ATM 52 (1300 nm) 3,000</li> <li>• FDDI (Original-1300 nm) 2,000</li> <li>• 100BASE-FX (1300 nm) 2,000</li> </ul>	<ul style="list-style-type: none"> <li>• 10GBASE-L (1310 nm) 8,000</li> <li>• 10GBASE-E (1550 nm) 30,000</li> <li>• 10G Fiber Channel (Serial-1310 nm) 10,000</li> <li>• 10G Fiber Channel (WDM-1310 nm) 10,000</li> <li>• 1000BASE-LX (1300 nm) 5,000</li> <li>• Fiber Channel 266/1062 (1300 nm) 10,000</li> <li>• ATM 52/155/622 (1300 nm) 15,000</li> </ul>

# Product Information

## 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 Gigabit 10 Transmission Distance (m)		Minimum Bandwidth (MHz • km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm <sup>†</sup>	1300 nm <sup>††</sup>	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	1OFL - 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 (INTERNATIONAL) PHYSICAL SPECIFICATIONS

### Physical Specifications (All Values are Nominal)

Fiber Count	Nominal Cable Diameter (nm)	Maximum Attenuation Newtons (N)		Nominal Net Weight (kg/km)
		Installation	Long Term	
2	7.5	1500	1000	46
4	7.5	1500	1000	48
6	7.5	1500	1000	49
8	8.0	1500	1000	54
12	8.3	1500	1000	62
16	8.8	2100	1300	75
24	9.4	2400	1500	87

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 - 24	25	-20 to 70 (-4 to 158) °F	-20 to 60 (-4 to 140) °F	-40 to 70 (-40 to 158) °F	20 x DIA.	10 x DIA.

Custom lengths and jacket colours 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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<b>North America</b> P: (1) 860 945 4200	<b>Asia Pacific</b> P: (61) 2 8977 7500	<b>Latin America</b> P: (571) 657 1950/51/52	<b>Europe</b> P: (44) 0 1932 571771	<b>China</b> P: (86) 215385 0303	<b>India Middle East</b> P: (971) 4 3689743
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