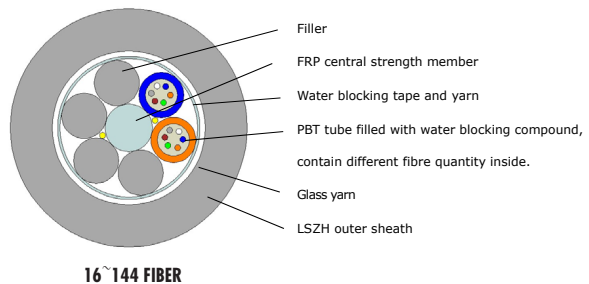
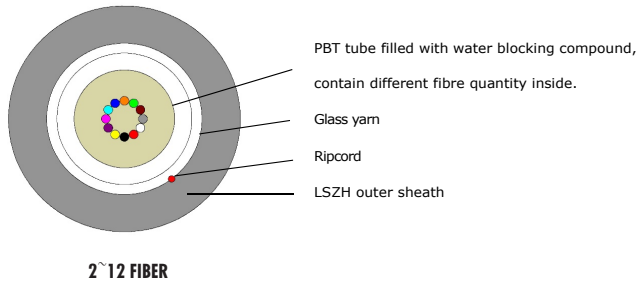
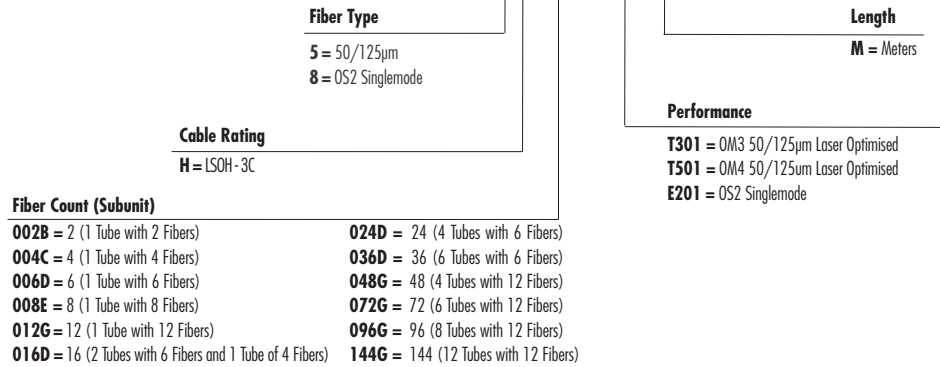


# XGLO® & LightSystem® Indoor/Outdoor LooseTube - International

Siemon LSOH (IEC 60332-3) indoor/outdoor rodent resistant loose tube fiber cables are ideal for 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.

## Ordering Information:

9GGR(X)H(XXXX)-(XXXX)M . . . . . XGLO Multimode 50/125 OM3 and OM4, Singlemode OS2



**Note:**  
 The 2–144 strand rodent-retardant cable features a glass yarn design, providing high tensile strength and a degree of rodent protection. Unlike other rodent-protection materials, such as 100% metallic armour, glass yarns deter rodents by being unpleasant and difficult to gnaw, offering effective protection in many cases.

This cable complies with multiple global standards, including IEC 60794 for water penetration. Compliance with this standard ensures that water will not penetrate the cable for the duration of the warranty. For warranty periods please refer to <https://www.siemon.com/en/support/warranty/>

XGLO 300 Multimode 50/125, OM3 STANDARDS COMPLIANCE	XGLO 550 Multimode 50/125, OM4 STANDARDS COMPLIANCE	XGLO Singlemode, OS2 STANDARDS COMPLIANCE
<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>• Telcordia GR-409-CORE</li> <li>• IEC 60332-3</li> <li>• IEC 60332-1-2 (Single Strand)</li> <li>• IEC 60754-2 (Acid Gas)</li> <li>• IEC 61034-2 (Smoke Density)</li> <li>• IEC 60794-1-2-F5C (Water Penetration)</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 60332-3</li> <li>• IEC 60332-1-2 (Single Strand)</li> <li>• IEC 60754-2 (Acid Gas)</li> <li>• IEC 61034-2 (Smoke Density)</li> <li>• IEC 60794-1-2-F5C (Water Penetration)</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>• Telcordia GR-409-CORE</li> <li>• ITU-T G.652 C/D</li> <li>• IEC 60332-3</li> <li>• IEC 60332-1-2 (Single Strand)</li> <li>• IEC 60754-2 (Acid Gas)</li> <li>• IEC 61034-2 (Smoke Density)</li> <li>• IEC 60794-1-2-F5C (Water Penetration)</li> </ul>

### 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 <sub>2</sub> -km)	Index of Refraction
Singlemode (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 LooseTube Physical Specifications

### PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Newtons		Nominal Net Weight kg/k
		Installation	Long Term	
2	7.7	1000	500	65
4	7.7	1000	500	65
6	7.7	1000	500	65
8	7.7	1000	500	65
12	7.7	1000	500	65
16	10.7	1800	1200	120
24	10.7	1800	1200	120
36	10.7	1800	1200	120
48	11.3	1800	1200	130
72	11.8	1800	1200	130
96	12.5	1800	1200	155
144	15.3	1800	1200	230

Fiber Count	Maximum Crush Resistance (N/mm)	Operating Temperature °C	Storage Temperature °C	Minimum Bend Radius	
				Installation	Long Term
2-12	10	-40 to 60 (-40 to 140)	-40 to 60 (-40 to 140)	20 x DIA.	10 x DIA.
16-144	22	-40 to 60 (-40 to 140)	-40 to 60 (-40 to 140)	20 x DIA.	10 x DIA.

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