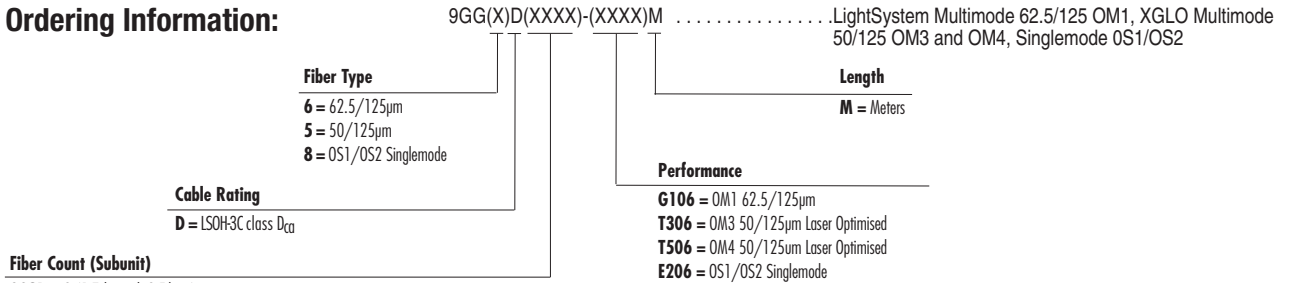


XGLO® & LightSystem® Indoor/Outdoor LooseTube, Dca - EMEA

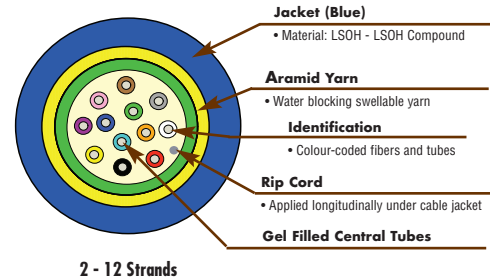
Siemon LSOH (IEC 60332-3) indoor/outdoor loose tube fiber cables are ideal for campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed, applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel.

Ordering Information:



Fiber Count (Subunit)

- 002B** = 2 (1 Tube with 2 Fibers)
- 004C** = 4 (1 Tube with 4 Fibers)
- 006D** = 6 (1 Tube with 6 Fibers)
- 008E** = 8 (1 Tube with 8 Fibers)
- 012G** = 12 (1 Tube with 12 Fibers)



Note: The 2-12 strand rodent resistant cables feature a glass yarn design with a high tensile strength and degree of rodent protection which is effective in many cases. The function of glass yarns differs from the other rodent protection materials such as a 100% metallic armour protection. The glass yarns provide a degree of protection because it is disagreeable and unpleasant for most rodents to gnaw the glass yarns.

LIGHTSYSTEM Multimode 62.5/125, OM1		XGLO 300 Multimode 50/125, OM3		XGLO 550 Multimode 50/125, OM4		XGLO Singlemode, OS1/OS2	
STANDARDS COMPLIANCE		STANDARDS COMPLIANCE		STANDARDS COMPLIANCE		STANDARDS COMPLIANCE	
<ul style="list-style-type: none"> • ISO/IEC 11801:2002 OM1 (62.5/125) • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 AAAB • Telcordia GR-409-CORE • IEC 60332-1-2, Class Eca • IEC 60332-3, IEC 60332-1-12 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke Density) • EN 50399 Class DcaS2d1a1 		<ul style="list-style-type: none"> • ISO/IEC 11801:2002 OM3 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 AAAC • Telcordia GR-409-CORE • IEC 60332-1-2, Class Eca • IEC 60332-3, IEC 60332-1-12 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke Density) • EN 50399 Class DcaS2d1a1 		<ul style="list-style-type: none"> • ISO/IEC 11801:2002 OM3 • ISO/IEC 11801:2002 Amendment 2 OM4 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 AAAD • IEC 60793-2-10 Fiber Type A1a.3 • Telcordia GR-409-CORE • IEC 60332-1-2, Class Eca • IEC 60332-3, IEC 60332-1-12 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke Density) • EN 50399 Class DcaS2d1a1 		<ul style="list-style-type: none"> • ISO/IEC 11801:Ed 2.0 Amendment:1:2008 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • Telcordia GR-409-CORE • ITU-T G.652 C/D • IEC 60332-1-2, Class Eca • IEC 60332-3, IEC 60332-1-12 (Single strand), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke Density) • EN 50399 Class DcaS2d1a1 	
APPLICATIONS SUPPORT		APPLICATIONS SUPPORT		APPLICATIONS SUPPORT		APPLICATIONS SUPPORT	
APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)
10GBASE-S (850 nm)	N/A	10GBASE-S (850 nm)	300	10GBASE-S (850 nm)	550	10GBASE-L (1310 nm)	8,000
62.5/125µm	26	10GBASE-LX4 (1300 nm)	300	10GBASE-LX4 (1300 nm)	300	10GBASE-E (1550 nm)	30,000
1000BASE-S (850 nm)	N/A	1000BASE-S (850 nm)	1000	1000BASE-S (850 nm)	1100	10G Fiber Channel (Serial-1310 nm)	10,000
62.5/125µm	275	1000BASE-LX (1300 nm)	600	1000BASE-LX (1300 nm)	600	10G Fiber Channel (WDM-1310 nm)	10,000
Fiber Channel 266 (1300 nm)	1,500	Fiber Channel 266 (1300 nm)	1,500	Fiber Channel 266 (1300 nm)	1,500	1000BASE-LX (1300 nm)	5,000
ATM 622 (1300 nm)	500	ATM 622 (1300 nm)	500	ATM 622 (1300 nm)	500	Fiber Channel 266/1062 (1300 nm)	10,000
ATM 155 (1300 nm)	2,000	ATM 155 (1300 nm)	2,000	ATM 155 (1300 nm)	2,000	ATM 52/155/622 (1300 nm)	15,000
ATM 52 (1300 nm)	3,000	ATM 52 (1300 nm)	3,000	ATM 52 (1300 nm)	3,000		
FDDI (Original-1300 nm)	2,000	FDDI (Original-1300 nm)	2,000	FDDI (Original-1300 nm)	2,000		
100BASE-FX (1300 nm)	2,000	100BASE-FX (1300 nm)	2,000	100BASE-FX (1300 nm)	2,000		

XGLO® & LightSystem® Indoor/Outdoor LooseTube, Dca - 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)	Index of Refraction
62.5/125 (OM1)	850	3.5	200	275 (902)	1.495
	1300	1.0	500	550 (1804)	1.490

*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 LooseTube Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter (mm)	Maximum Pulling Tension Newtons (N)		Nominal Net Weight (kg/km)
		Installation	Long Term	
2	7.5	1500	700	65
4	7.5	1500	700	65
6	7.5	1500	700	65
8	7.5	1500	700	65
12	7.5	1500	700	65

Fiber Count	Maximum Crush Resistance (N/mm)	Operating Temperature °C (°F)	Installation Temperature °C (°F)	Storage Temperature °C (°F)	Minimum Bend Radius	
					Installation	Long Term
2-12	10	-30 to 70 (-40 to 158)°F	-15 to 40 (-5 to 104)°F	-40 to 60 (-40 to 140)°F	20 x DIA.	10 x DIA.

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