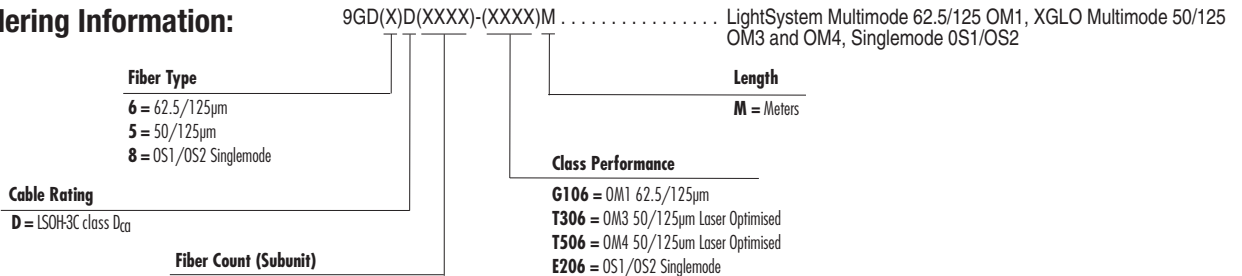


XGLO® & LightSystem® Indoor/Outdoor Tight Buffer, Dca - EMEA

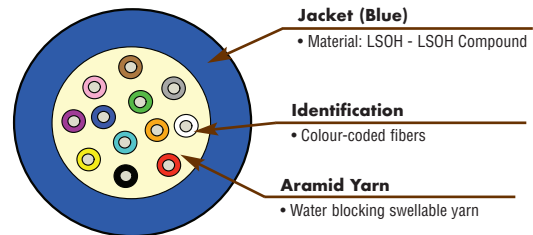
Siemon LSOH (IEC 60332-3) indoor/outdoor tight buffer fiber cables are ideal for data centres, campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

Ordering Information:



Fiber Count (Subunit)

- 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)
- 016K = 16 (1 Tube with 16 Fibers)
- 024L = 24 (1 Tube with 24 Fibers)



4 - 24 Strands

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 AAAA • 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 DcaS1d2a1 		<ul style="list-style-type: none"> • ISO/IEC 11801:2002 OM3 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 AAAC • IEC 60793-2-10 Fiber Type A1a.2 • 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 DcaS1d2a1 		<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 DcaS1d2a1 		<ul style="list-style-type: none"> • ISO/IEC 11801:Ed. 2.0 Amendment:1:2008 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 CAAB • 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 DcaS1d2a1 	
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
1000BASE-LX (1300 nm)	550	Fiber Channel 266 (1300 nm)	1,500	Fiber Channel 266 (1300 nm)	1,500	1000BASE-LX (1300 nm)	5,000
Fiber Channel 266 (1300 nm)	1,500	ATM 622 (1300 nm)	500	ATM 622 (1300 nm)	500	Fiber Channel 266/1062 (1300 nm)	10,000
ATM 622 (1300 nm)	500	ATM 155 (1300 nm)	2,000	ATM 155 (1300 nm)	2,000	ATM 52/155/622 (1300 nm)	15,000
ATM 155 (1300 nm)	2,000	ATM 52 (1300 nm)	3,000	ATM 52 (1300 nm)	3,000		
ATM 52 (1300 nm)	3,000	FDD1 (Original-1300 nm)	2,000	FDD1 (Original-1300 nm)	2,000		
FDD1 (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 Tight Buffer, 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)
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 (International) 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	
4	6.1	1500	750	35
6	5.3	1500	750	39
8	6.7	1500	750	42
12	7.3	1500	750	50
16	7.6	1500	750	55
24	8.4	1500	750	66

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
4-24	5	-20 to 70 (-4 to 158)°F	-20 to 70 (-4 to 158)°F	-20 to 70 (-4 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.