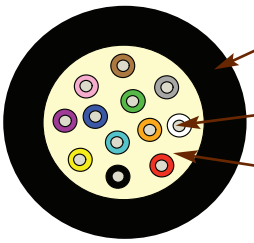
XGLO® FIBRE OPTIC CABLE (SM)

Indoor/Outdoor Tight Buffered

Siemon's XGLO singlemode optical fibre cable is perfectly suited for the support of extended distance 10 Gigabit Ethernet (> 550m) applications as well as emerging applications, such as 40 Gb/s Synchronous Optical Network (SONET), that will operate at speeds beyond 10Gb/s. XGLO singlemode cables are constructed from optical fibres that exhibit low and stable insertion loss performance over the entire operating range (including the 1400 nm "water peak" band) to ensure compatibility with coarse wavelength (CWDM) and dense wavelength (DWDM) applications. The tight buffered construction facilitates direct connectorisation of fibres.

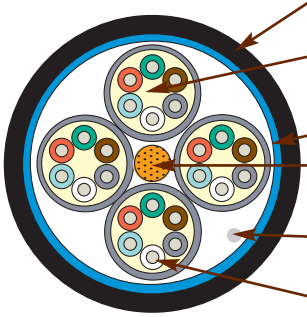


4-12 Strands

Jacket (Black)
- Material:
  LSOH— LSOH Compound

Identification
- Colour-coded fibres

Aramid Yarns
- Water blocking swellable yarn



16-24 Strands

Jacket (Black)
- Material:
  LSOH— LSOH Compound

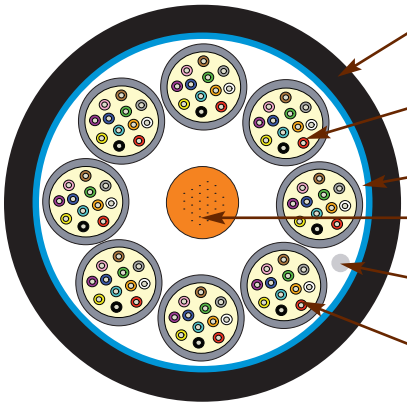
Aramid Yarns
- Water blocking swellable yarn

Water Blocking Swellable Tape

Central Strength Member
- Light-weight solid dielectric

Rip Cord
- Applied longitudinally under cable jacket

Identification
- Colour-coded fibres and tubes



48-72 Strands

Jacket (Black)
- Material:
  LSOH— LSOH Compound

Aramid Yarns
- Water blocking swellable yarn

Water Blocking Swellable Tape

Central Strength Member
- Light-weight solid dielectric

Rip Cord
- Applied longitudinally under cable jacket

Identification
- Colour-coded fibres and tubes

CONSTRUCTION HIGHLIGHTS

- 900µm ± 50µm tight buffered fibres
- Length markings
- UV stabilised, LSOH fire retardant jacket
- Dry water blocked core
- Jacket material is lead free
- RoHS Compliant

PACKAGING

- Reels of 1 km

STANDARDS COMPLIANCE

- ISO/IEC 11801:2002 OS2
- ANSI/TIA/EIA-568-B.3
- Telecordia GR-409-CORE
- ITU-T G652.D
- IEC 60332-1-2 (Single strand),
  IEC 60332-3-24 (Vertically-bunched),
  IEC 60754-1 (Acid gas),
  IEC 60754-2 (Acid gas),
  IEC 61034-2 (Smoke density)

ETHERNET APPLICATIONS SUPPORT

APPLICATION	DISTANCE (m)
10GBASE-L (1310 nm)	8,000
10GBASE-E (1550 nm)	30,000
10G Fibre Channel (Serial-1310 nm)	10,000
1000BASE-LX (1300 nm)	5,000
Fibre Channel 266/1062 (1300 nm)	10,000

PART #	FIBRE COUNT	CONSTRUCTION
9GD8H004C-E201M	4	1 tube of 4 fibres
9GD8H006D-E201M	6	1 tube of 6 fibres
9GD8H008E-E201M	8	1 tube of 8 fibres
9GD8H012G-E201M	12	1 tube of 12 fibres

PART #	FIBRE COUNT	CONSTRUCTION
9GD8H016C-E201M	16	4 tubes of 4 fibres
9GD8H024D-E201M	24	4 tubes of 6 fibres
9GD8H048G-E201M	48	4 tubes of 12 fibres
9GD8H072G-TE201M	72	6 tubes of 12 fibres

OPTICAL SPECIFICATIONS

Fibre Type	Wavelength (nm)	Maximum Attenuation (dB/km)	Zero Dispersion Wavelength (nm)	Zero Dispersion Slope (nm^2-km)	Index of Refraction
Singlemode	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

Wavelength (nm)	Mode Field Diameter (microns)	Cladding Size (µm)	Coating Size (µm)
1310	9.2 ± 0.4	125 ± 0.7	250 ± 15
1550	10.3 ± 0.5	125 ± 0.7	250 ± 15

PHYSICAL SPECIFICATIONS

Fibre Count	Nominal Cable Diameter (mm)	Maximum Pulling Tension (Newtons)		Nominal Net Weight (kg/km)
		Installation	Long Term	
4	5.3	1500	495	23
6	5.3	1500	495	25
8	5.8	1500	495	30
12	6.2	1500	495	35
16	13.3	1500	495	143
24	15.0	1500	495	190
48	18.3	4200	1400	255
72	21.9	5400	1800	384

Fibre Count	Minimum Crush Resistance (N/10cm)	Operating Temperature (°C)	Storage Temperature (°C)	Minimum Bend Radius	
				Installation	Long Term
4-12	500	-40/70	-40/70	20 x DIA.	10 x DIA.
16-72	1000	-20/70	-20/70	20 x DIA.	10 x DIA.

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.
XGLO® is a trademark of Siemon

Visit our web site for fibre connectivity and related products

Siemon — EMEA HQ & UK
United Kingdom
Tel: +44 (0) 1932 571771

Siemon — France
Paris
Tel: +33 1 46 46 11 85

Siemon — Deutschland
Frankfurt
Tel: +49 (0) 69 97168 184

Siemon — Italia
Milano
Tel: +39 (02) 64 672 209