XGLO® Indoor Ribbon Fiber Cable (Global)

Siemon indoor ribbon fiber cables are ideal for data centers, campus and building backbones. Ribbon cables enable the migration to high fiber count systems required to support high bandwidth applications including 10, 40 and 100Gb/s. These cables contain 12-fiber ribbon units inside a central tube with dielectric strength members for tensile strength and color coded fibers with individual ribbon unit ID numbers for clear identification. Siemon fiber optic cables are offered in XGLO configurations supporting high-speed, applications such as Gigabit Ethernet, 10 Gigabit Ethernet, Gigabit ATM and Fibre Channel.

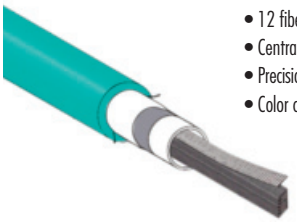
Ordering Information

XGLO Multimode Laser Optimized 50/125 OM3 and OM4 (Aqua Jacket), Singlemode OS1/OS2 (Yellow Jacket)

Part #	Fiber Count	Construction
9BR(X)(X)012G-(XXXX)(Y)	12	1 ribbon with 12 fibers
9BR(X)(X)024G-(XXXX)(Y)	24	2 ribbons with 12 fibers
9BR(X)(X)036G-(XXXX)(Y)	36	3 ribbons with 12 fibers
9BR(X)(X)048G-(XXXX)(Y)	48	4 ribbons with 12 fibers

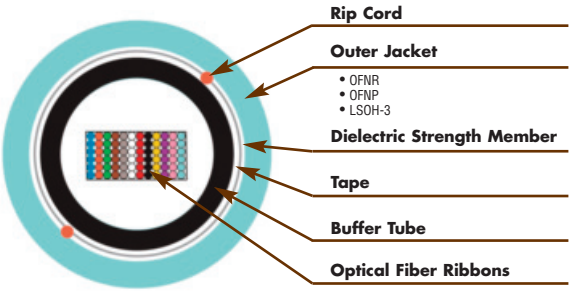
Part #	Fiber Count	Construction
9BR(X)(X)072G-(XXXX)(Y)	72	6 ribbons with 12 fibers
9BR(X)(X)096G-(XXXX)(Y)	96	8 ribbons with 12 fibers
9BR(X)(X)144G-(XXXX)(Y)	144	12 ribbons with 12 fibers
9BR(X)(X)216G-(XXXX)(Y)	216	18 ribbons with 12 fibers
9BR(X)R288G-(XXXX)(Y)	288	24 ribbons with 12 fibers

Use first (X) to specify fiber type: 5 = 50/125µm, 8 = Singlemode
Use second (X) to specify fiber jacket type: R = Riser OFNR, P = Plenum OFNP, H = LSOH
Use (XXXX) to specify class performance: T312 = OM3 50µm Laser Optimized, T512 = OM4 50µm Laser Optimized, E205 = OS1/OS2 Singlemode
Use (Y) to specify unit of measure: A = feet for North America, M = meter for International
Note: 288 strand count is only available in a Riser (OFNR) jacket.



HIGHLIGHTS

- 12 fiber ribbon design
- Central tube design
- Precision fiber and ribbon geometries
- Color coded per TIA-598-C



XGLO 300 Multimode 50/125, OM3

STANDARDS COMPLIANCE

- ISO/IEC 11801:2002 OM3
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- ANSI/TIA-492 AAAC
- Telcordia GR-409-CORE
- OFNR: Communications Type OFNR (ETL) and CSA FT4 (ETL)
- OFNP: Communications Type OFNP (ETL) and CSA FT6 (ETL)
- IEC 60332-3
- IEC 60332-1-2 (Single strand)
- IEC 60754-2 (Acid gas)
- IEC 61034-2 (Smoke density)

APPLICATIONS SUPPORT

APPLICATION	DISTANCE (m)
10GBASE-S (850 nm)	300
10GBASE-LX4 (1300 nm)	300
1000BASE-S (850 nm)	1000
1000BASE-LX (1300 nm)	600
Fibre Channel 266 (1300 nm)	1,500
ATM 622 (1300 nm)	500
ATM 155 (1300 nm)	2,000
ATM 52 (1300 nm)	3,000
FDD1 (Original-1300 nm)	2,000
100BASE-FX (1300 nm)	2,000

XGLO 550 Multimode 50/125, OM4

STANDARDS COMPLIANCE

- ISO/IEC 11801:2002 OM3
- ISO/IEC 11801:2002 Ammendment 2 OM4
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- ANSI/TIA-492 AAAD
- IEC 60793-2-10 Fibre Type A1a.3
- Telcordia GR-409-CORE
- OFNR: Communications Type OFNR (ETL) and CSA FT4 (ETL)
- OFNP: Communications Type OFNP (ETL) and CSA FT6 (ETL)
- IEC 60332-3
- IEC 60332-1-2 (Single strand)
- IEC 60754-2 (Acid gas)
- IEC 61034-2 (Smoke density)

APPLICATIONS SUPPORT

APPLICATION	DISTANCE (m)
10GBASE-S (850 nm)	550
10GBASE-LX4 (1300 nm)	300
1000BASE-S (850 nm)	1100
1000BASE-LX (1300 nm)	600
Fibre Channel 266 (1300 nm)	1,500
ATM 622 (1300 nm)	500
ATM 155 (1300 nm)	2,000
ATM 52 (1300 nm)	3,000
FDD1 (Original-1300 nm)	2,000
100BASE-FX (1300 nm)	2,000

XGLO Singlemode, OS1/OS2

STANDARDS COMPLIANCE

- ISO/IEC 11801:Ed 2.0 Amendment:1:2008
- ANSI/TIA/EIA-568-C.3
- ANSI/TIA-598-C
- Telcordia GR-409-CORE
- ITU-T G.652 C/D
- OFNR: Communications Type OFNR (ETL) and CSA FT4 (ETL)
- OFNP: Communications Type OFNP (ETL) and CSA FT6 (ETL)
- IEC 60332-3
- IEC 60332-1-2 (Single strand)
- IEC 60754-2 (Acid gas)
- IEC 61034-2 (Smoke density)

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
10G Fibre Channel (WDM-1310 nm)	10,000
1000BASE-LX (1300 nm)	5,000
Fibre Channel 266/1062 (1300 nm)	10,000
ATM 52/155/622 (1300 nm)	15,000

SIEMON™

XGLO® Indoor Ribbon Fiber Cable (Global)

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	1317	≤0.092	1.468
	1300 - 1324	0.40	1317	≤0.092	1.468
	1383	0.40	1317	≤0.092	1.468
	1550	0.30	1317	≤0.092	1.468

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Newtons		Maximum Net Weight kg/km		
		Installation	Long Term			
	OFNR/ OFNP/ LSOH	OFNR/ OFNP/ LSOH	OFNR/ OFNP/ LSOH	OFNR	OFNP	LSOH
12, 24, 36	9.7	1320	400	88	99	93
72, 96	12.4			140	156	147
144, 216	15.2			184	220	193
288	20.1 (OFNR only)			309	n/a	n/a

Fiber Count	Maximum Crush Resistance (N/mm)	Maximum Flex Resistance (N/mm)	Operating Temperature °C			Installation Temperature °C			Storage Temperature °C			Minimum Bend Radius (cm)	
			OFNR	OFNP	LSOH	OFNR	OFNP	LSOH	OFNR	OFNP	LSOH	Installation	Long Term
12, 24, 36, 48	100	25	-20 to 70	0 to 70	-40 to 70	-10 to 60	0 to 60	-30 to 60	-40 to 70	-40 to 70	-40 to 70	9.6	14.4
72, 96												12.4	18.6
144, 216												15.5	22.8
288				n/a	n/a		n/a	n/a		n/a	n/a	21.0	31.7

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