

# XGLO™ & LightSystem® Interlocking Aluminum Armor Indoor Tight Buffer Fiber Cable

Siemon interlocking aluminum armor indoor tight buffer fiber cables are ideal for data centers, campus and building backbones as well as industrial applications. The interlocking armor cable is a robust aluminum armored design that provides higher compression crush strength, rodent resistance and increased security. Siemon interlocking armor fiber cables may be installed as an alternative to traditional fiber cables in plenum inner duct or conduit, providing a less expensive single-pull solution with estimated savings of 25-50% in materials and estimated labor savings up to 60%. Siemon fiber optic cables are offered in LightSystem and XGLO configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet, Gigabit ATM and Fiber Channel.

## Ordering Information

XGLO Multimode Laser Optimized 50/125 OM3, OM4 (Aqua Jacket), Singlemode OS1 (Yellow Jacket), LightSystem Multimode 62.5/125 OM1, 50/125 OM2 (Orange Jacket)

| Part #                | Fiber Count | Construction          |
|-----------------------|-------------|-----------------------|
| 9BC(X)(X)006D-(XXXX)A | 6           | 1 tube of 6 fibers    |
| 9BC(X)(X)012G-(XXXX)A | 12          | 1 tube of 12 fibers   |
| 9BC(X)(X)024L-(XXXX)A | 24          | 1 tube of 24 fibers   |
| 9BC(X)(X)036G-(XXXX)A | 36          | 3 tubes of 12 fibers  |
| 9BC(X)(X)048G-(XXXX)A | 48          | 4 tubes of 12 fibers  |
| 9BC(X)(X)072G-(XXXX)A | 72          | 6 tubes of 12 fibers  |
| 9BC(X)(X)096G-(XXXX)A | 96          | 8 tubes of 12 fibers  |
| 9BC(X)(X)144G-(XXXX)A | 144         | 12 tubes of 12 fibers |

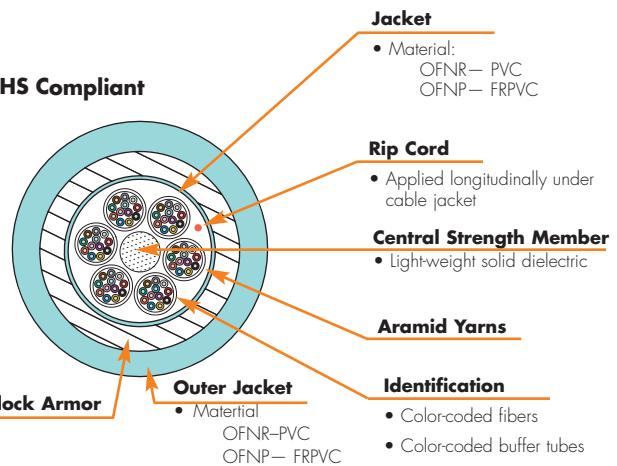
Use 1st (X) to specify fiber type: 5 = 50/125µm, 6 = 62.5/125µm, 8 = Singlemode  
 Use 2nd (X) to specify cable rating: **R** = OFCR, **P** = OFCP  
 Use (XXXX) to specify class performance: G109 = OM1 62.5µm, T109 = OM2 50µm, T312 = OM3 50µm Laser Optimized, T512 = OM4 50µm Laser Optimized, E205 = OS1/OS2 Singlemode  
**Note:** Contact Siemon Customer Service for cables available in fixed reel lengths. (unit of measure) F=feet

### HIGHLIGHTS

- 900 µm tight buffer
- OFCR: Communications Type OFCR Engineering Testing Laboratories (ETL) or Underwriters Laboratories (UL) Type OFCR (Conductive Optical Fiber Riser Cable) and c(ETL or UL) OFC-FT6 75C.
- OFCP: Communications Type OFCP Engineering Testing Laboratories (ETL) or Underwriters Laboratories (UL) Type OFCP (Conductive Optical Fiber Plenum Cable) and c(ETL or UL) OFC-FT6 75C.
- Aluminum interlock offers greater than 10 times the crush resistance of a standard fiber cable
- Provides installation protection from bending and excessive pull tension
- Significant time and labor reductions versus conduit or inner duct installations



RoHS Compliant



| XGLO Singlemode, OS1/OS2  | XGLO (550) Multimode, 50/125, OM4   | XGLO (300) Multimode 50/125, OM3  | LIGHTSYSTEM Multimode 50/125, OM2; 62.5 OM1   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
|---|---|---|---|-------|---------------------|--------|------------------------------------|--------|---------------------------------|--------|-----------------------|-------|----------------------------------|--------|--------------------------|--------|---|-------------|--------------|---------------------|-----|-----------------------|-----|----------------------|------|-----------------------|-----|-----------------------------|-------|-------------------|-----|-------------------|-------|------------------|-------|-------------------------|-------|----------------------|-------|---|-------------|--------------|---------------------|-----|-----------------------|-----|----------------------|------|-----------------------|-----|-----------------------------|-------|-------------------|-----|-------------------|-------|------------------|-------|-------------------------|-------|----------------------|-------|--|-------------|--------------|---------------------|--|----------|----|------------|----|----------------------|--|----------|-----|------------|-----|-----------------------|-----|-----------------------------|-------|-------------------|-----|-------------------|-------|------------------|-------|-------------------------|-------|----------------------|-------|
| <b>STANDARDS COMPLIANCE</b>   | <b>STANDARDS COMPLIANCE</b>   | <b>STANDARDS COMPLIANCE</b>   | <b>STANDARDS COMPLIANCE</b>   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| <ul style="list-style-type: none"> <li>• ISO/IEC 11801:Ed 2.0 Amendment:1:2008</li> <li>• ANSI/TIA/EIA-568-C.3</li> <li>• ANSI/TIA-598-C</li> <li>• Telcordia GR-409-CORE</li> <li>• ITU-T G.652.C/D</li> <li>• OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)</li> <li>• OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)</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/EIA-568-C.3</li> <li>• ANSI/TIA-598-C</li> <li>• ANSI/TIA-492 AAAD</li> <li>• IEC 60793-2-10 Fiber Type A1a.3</li> <li>• Telcordia GR-409-CORE</li> <li>• OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)</li> <li>• OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)</li> </ul> | <ul style="list-style-type: none"> <li>• ISO/IEC 11801:2002 OM3</li> <li>• ANSI/TIA/EIA-568-C.3</li> <li>• ANSI/TIA-598-C</li> <li>• ANSI/TIA-492AAAC</li> <li>• Telcordia GR-409-CORE</li> <li>• OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)</li> <li>• OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)</li> </ul> | <ul style="list-style-type: none"> <li>• ISO/IEC 11801:2002 OM1 (62.5/125)</li> <li>• ISO/IEC 11801:2002 OM2 (50/125)</li> <li>• ANSI/TIA/EIA-568-C.3</li> <li>• ANSI/TIA-598-C</li> <li>• ANSI/TIA-492AAAB</li> <li>• Telcordia GR-409-CORE</li> <li>• OFNR: Communications Type OFNR (UL) and CSA FT4 c(UL)</li> <li>• OFNP: Communications Type OFNP (UL) and CSA FT6 c(UL)</li> </ul> |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| <b>APPLICATIONS SUPPORT</b>   | <b>APPLICATIONS SUPPORT</b>   | <b>APPLICATIONS SUPPORT</b>   | <b>APPLICATIONS SUPPORT</b>   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
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| APPLICATION (m)   | DISTANCE  |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 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  |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| APPLICATION   | DISTANCE (m)  |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 10GBASE-SX (850 nm)   | 550   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 10GBASE-LX4 (1300 nm)   | 300   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 1000BASE-SX (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   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| APPLICATION   | DISTANCE (m)  |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 10GBASE-SX (850 nm)   | 300   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 10GBASE-LX4 (1300 nm)   | 300   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 1000BASE-SX (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   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| APPLICATION   | DISTANCE (m)  |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 10GBASE-SX (850 nm)   |   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 50/125µm  | 82  |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 62.5/125µm  | 26  |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 1000BASE-SX (850 nm)  |   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 50/125µm  | 550   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 62.5/125µm  | 275   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 1000BASE-LX (1300 nm)   | 550   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| Fibre Channel 266 (1300 nm)   | 1,500   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| ATM 622 (1300 nm)   | 500   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| ATM 155 (1300 nm)   | 2,000   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| ATM 52 (1300 nm)  | 3,000   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| FDDI (Original-1300 nm)   | 2,000   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |
| 100BASE-FX (1300 nm)  | 2,000   |   |   |       |                     |        |                                    |        |                                 |        |                       |       |                                  |        |                          |        |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |   |             |              |                     |     |                       |     |                      |      |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |  |             |              |                     |  |          |    |            |    |                      |  |          |     |            |     |                       |     |                             |       |                   |     |                   |       |                  |       |                         |       |                      |       |

**The Americas**  
 Watertown, CT USA  
 Phone (1) 860 945 4200 US  
 Phone (1) 888 425 6165 Canada

**Europe/Middle East/Africa**  
 Chertsey, England  
 Phone (44) 0 1932 571771

**Asia/Pacific**  
 Shanghai, P.R. China  
 Phone (86)-21-53850303-306

**Central & South America**  
 Bogota, Columbia  
 Phone (571) 317 2121



## XGLO™ 10 Gigabit Ethernet Fiber Optic Cable

### 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<br>OFL - 1500     | OFL - 500 | 3.0                         | 1.0     | 1.483                     | 1.479   |
| 50/125 (OM4) | 1100   | 600     | 550   | 300       | RML - 4700<br>OFL - 3500     | OFL - 500 | 3.0                         | 1.0     | 1.483                     | 1.479   |

† 10GBASE-S †† 10GBASE-LX4

### Minimum Performance Parameters for XGLO Singlemode Fiber

| Fibre Type           | Wavelength (nm) | Maximum Attenuation (dB/km) | Zero Dispersion Wavelength (nm) | Zero Dispersion Slope (nm <sup>2</sup> -km) | Index of Refraction |
|----------------------|-----------------|-----------------------------|---------------------------------|---|---------------------|
| Singlemode (OS1/OS2) | 1310            | 0.50                        | 1312 ± 10                       | ≤0.093                                      | 1.468               |
|                      | 1550            | 0.50                        | 1312 ± 10                       | ≤0.093                                      | 1.468               |
|                      | 1300-1324       | <0.40                       | 1312 ± 10                       | ≤0.093                                      | 1.468               |

## LightSystem® Gigabit Ethernet Fiber Optic Distribution Cable

### Minimum Performance Parameters for LightSystem 50/125µm & 62.5/125µm Multimode Fiber

| Fiber Type       | Wavelength nm | Maximum Attenuation (dB/km) | Minimum Modal Bandwidth (MHz • km) | Guaranteed Gigabit Transmission Distance (Meters) | Index of Refraction |
|------------------|---------------|-----------------------------|------------------------------------|---|---------------------|
| 50/125µm (OM2)   | 850           | 3.5                         | 500                                | 550   | 1.483               |
|                  | 1300          | 1.0                         | 500                                | 550   | 1.479               |
| 62.5/125µm (OM1) | 850           | 3.5                         | 200                                | 275   | 1.495               |
|                  | 1300          | 1.0                         | 500                                | 550   | 1.490               |

\*The protocol pertinent to the transmission distance as noted is Gigabit Ethernet per IEEE 802.3:2005.

## XGLO and LightSystem Physical Specifications

### PHYSICAL SPECIFICATIONS (All Values Are Nominal)

| Fiber Count | Nominal Cable Diameter mm (in) |              | Maximum Pulling Tension Newtons (lbs) |            | Maximum = Net Weight kg/km (lbs/1000 ft.) |           |
|-------------|--------------------------------|--------------|---------------------------------------|------------|---|-----------|
|             | OFCR                           | OFCP         | Installation                          | Long Term  | OFCR                                      | OFCP      |
| 6           | 15.8 (0.624)                   | 13.1 (0.517) | 1335 (300)                            | 400 (90)   | 179 (120)                                 | 117 (79)  |
| 8           | 15.8 (0.624)                   | 13.3 (0.523) | 1335 (300)                            | 400 (90)   | 188 (126)                                 | 129 (87)  |
| 12          | 18.8 (0.740)                   | 14.8 (0.584) | 1780 (400)                            | 534 (120)  | 248 (166)                                 | 176 (119) |
| 24          | 24.4 (0.961)                   | 20.9 (0.821) | 2640 (600)                            | 800 (180)  | 412 (277)                                 | 347 (233) |
| 48          | 24.4 (0.961)                   | 23.4 (0.921) | 2640 (600)                            | 800 (180)  | 448 (301)                                 | 408 (274) |
| 72          | 32.1 (1.265)                   | 24.7 (0.974) | 2640 (600)                            | 800 (180)  | 643 (432)                                 | 537 (361) |
| 96          | 32.1 (1.265)                   | 31.1 (1.230) | 2640 (600)                            | 800 (180)  | 775 (521)                                 | 749 (503) |
| 144         | 32.1 (1.265)                   | 31.1 (1.230) | 4445 (1000)                           | 1335 (300) | 802 (539)                                 | 756 (508) |

| Fiber Count | Minimum Crush Resistance (N/cm) | Minimum Flex Resistance Cycles | Operating Temperature (°C) |               | Storage Temperature (°C) |               | Minimum Bend Radius |           |
|-------------|---------------------------------|--------------------------------|----------------------------|---------------|--------------------------|---------------|---------------------|-----------|
|             |                                 |                                | OFCR                       | OFCP          | OFCR                     | OFCP          | Installation        | Long Term |
| 6-144       | 440 N/cm                        | 100 Cycles                     | -40 to +75 °C              | -20 to +75 °C | -40 to +85 °C            | -20 to +75 °C | 15 X DIA.           | 10 X DIA. |

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