

XGLO™ & LightSystem® Indoor/Outdoor LooseTube (EMEA-Non APAC)

Siemon LSOH (IEC 60332-1) indoor/outdoor loose tube cables are ideal for campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed, applications such as Gigabit Ethernet, 10 Gigabit Ethernet, Gigabit ATM and Fiber Channel.

Ordering Information

XGLO Multimode 50/125 OM3, OM4, Singlemode OS2, LightSystem: Multimode 62.5/125 OM1, 50/125 OM2



RoHS Compliant

| Part # | Fiber Count | Construction |
|---------------------|-------------|--|
| 9GG(X)L002B-(XXXX)N | 2 | 1 tube of 2 fibers |
| 9GG(X)L004C-(XXXX)N | 4 | 1 tube of 4 fibers |
| 9GG(X)L006D-(XXXX)N | 6 | 1 tube of 6 fibers |
| 9GG(X)L008E-(XXXX)N | 8 | 1 tube of 8 fibers |
| 9GG(X)L012G-(XXXX)N | 12 | 1 tube of 12 fibers |
| 9GG(X)L016D-(XXXX)N | 16 | 2 tubes of 6 fibers, 1 tube of 4 fibers |

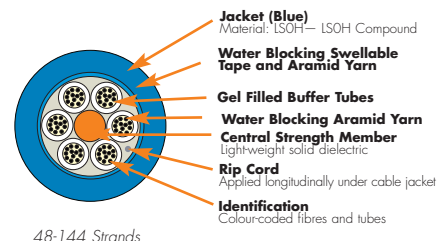
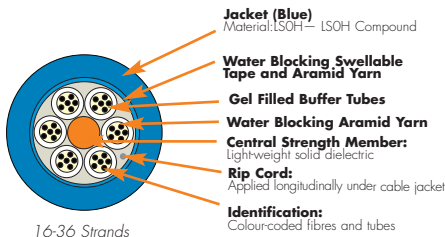
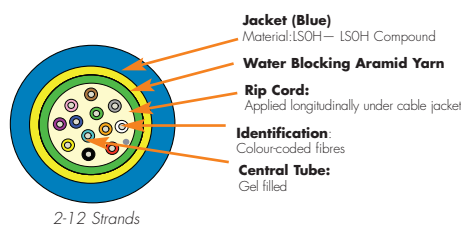
| Part # | Fiber Count | Construction |
|---------------------|-------------|-----------------------|
| 9GG(X)L024D-(XXXX)N | 24 | 4 tubes of 6 fibers |
| 9GG(X)L036G-(XXXX)N | 36 | 3 tubes of 12 fibers |
| 9GG(X)L048G-(XXXX)N | 48 | 4 tubes of 12 fibers |
| 9GG(X)L072G-(XXXX)N | 72 | 6 tubes of 12 fibers |
| 9GG(X)L096G-(XXXX)N | 96 | 8 tubes of 12 fibers |
| 9GG(X)L144G-(XXXX)N | 144 | 12 tubes of 12 fibers |

Use 1st (X) to specify fiber type: 5 = 50/125µm, 6 = 62.5/125µm, 5 = 50/125µm Laser Optimized, 8 = Singlemode

Use (XXXX) to specify class performance: G106 = OM1 62.5µm, T106 = OM2 50µm, T306 = OM3 50µm Laser Optimized, T506 = OM4 50µm Laser Optimized, E206 = OS2 Singlemode

N = Non APAC, Meters

Note: Contact Siemon Customer Service for cables available in fixed reel lengths.



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

| XGLO Singlemode, OS2 | XGLO (550) Multimode, 50/125, OM4 | XGLO Multimode (300) 50/125, OM3 | LIGHTSYSTEM Multimode 50/125, OM2; 62.5 OM1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| STANDARDS COMPLIANCE | STANDARDS COMPLIANCE | STANDARDS COMPLIANCE | STANDARDS COMPLIANCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> 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 IEC 60332-1-2 (Single strand), IEC 60754-1 (No Halogens), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) | <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ISO/IEC 11801:2002 Amendment 2 OM4 ANSI/TIA/EIA-568-C.3 ANSI/TIA-598-C ANSI/TIA-492 AAAD IEC 60793-2-10 Fiber Type A1 a.3 Telcordia GR-409-CORE IEC 60332-1-2 (Single strand), IEC 60754-1 (No Halogens), IEC 60754-2 (Acid gas), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) | <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM3 ANSI/TIA/EIA-568-C.3 ANSI/TIA-598-C ANSI/TIA-492 AAAC Telcordia GR-409-CORE IEC 60332-1-2 (Single strand), IEC 60754-1 (No Halogens), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) | <ul style="list-style-type: none"> ISO/IEC 11801:2002 OM1 (62.5/125) ISO/IEC 11801:2002 OM2 (50/125) ANSI/TIA/EIA-568-C.3 ANSI/TIA-598-C ANSI/TIA-492 AAAB Telcordia GR-409-CORE IEC 60332-1-2 (Single strand), IEC 60754-1 (No Halogens), IEC 60754-2 (Acid gas), IEC 61034-2 (Smoke density) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPLICATIONS SUPPORT | APPLICATIONS SUPPORT | APPLICATIONS SUPPORT | APPLICATIONS SUPPORT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>APPLICATION</th> <th>DISTANCE (m)</th> </tr> </thead> <tbody> <tr><td>10GBASE-L (1310 nm)</td><td>8,000</td></tr> <tr><td>10GBASE-E (1550 nm)</td><td>30,000</td></tr> <tr><td>10G Fibre Channel (Serial-1310 nm)</td><td>10,000</td></tr> <tr><td>10G Fibre Channel (WDM-1310 nm)</td><td>10,000</td></tr> <tr><td>100GBASE-LX (1300 nm)</td><td>5,000</td></tr> <tr><td>Fibre Channel 266/1062 (1300 nm)</td><td>10,000</td></tr> <tr><td>ATM 52/155/622 (1300 nm)</td><td>15,000</td></tr> </tbody> </table> | 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 | 100GBASE-LX (1300 nm) | 5,000 | Fibre Channel 266/1062 (1300 nm) | 10,000 | ATM 52/155/622 (1300 nm) | 15,000 | <table border="1"> <thead> <tr> <th>APPLICATION</th> <th>DISTANCE (m)</th> </tr> </thead> <tbody> <tr><td>10GBASE-SX (850 nm)</td><td>550</td></tr> <tr><td>10GBASE-LX4 (1300 nm)</td><td>300</td></tr> <tr><td>1000BASE-SX (850 nm)</td><td>1100</td></tr> <tr><td>1000BASE-LX (1300 nm)</td><td>600</td></tr> <tr><td>Fibre Channel 266 (1300 nm)</td><td>1,500</td></tr> <tr><td>ATM 622 (1300 nm)</td><td>500</td></tr> <tr><td>ATM 155 (1300 nm)</td><td>2,000</td></tr> <tr><td>ATM 52 (1300 nm)</td><td>3,000</td></tr> <tr><td>FDD1 (Original-1300 nm)</td><td>2,000</td></tr> <tr><td>100BASE-FX (1300 nm)</td><td>2,000</td></tr> </tbody> </table> | 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 | <table border="1"> <thead> <tr> <th>APPLICATION</th> <th>DISTANCE (m)</th> </tr> </thead> <tbody> <tr><td>10GBASE-SX (850 nm)</td><td>300</td></tr> <tr><td>10GBASE-LX4 (1300 nm)</td><td>300</td></tr> <tr><td>1000BASE-SX (850 nm)</td><td>1000</td></tr> <tr><td>1000BASE-LX (1300 nm)</td><td>600</td></tr> <tr><td>Fibre Channel 266 (1300 nm)</td><td>1,500</td></tr> <tr><td>ATM 622 (1300 nm)</td><td>500</td></tr> <tr><td>ATM 155 (1300 nm)</td><td>2,000</td></tr> <tr><td>ATM 52 (1300 nm)</td><td>3,000</td></tr> <tr><td>FDD1 (Original-1300 nm)</td><td>2,000</td></tr> <tr><td>100BASE-FX (1300 nm)</td><td>2,000</td></tr> </tbody> </table> | 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 | <table border="1"> <thead> <tr> <th>APPLICATION</th> <th>DISTANCE (m)</th> </tr> </thead> <tbody> <tr><td>10GBASE-SX (850 nm)</td><td>82</td></tr> <tr><td>50/125µm</td><td>26</td></tr> <tr><td>62.5/125µm</td><td>26</td></tr> <tr><td>1000BASE-SX (850 nm)</td><td>550</td></tr> <tr><td>50/125µm</td><td>550</td></tr> <tr><td>62.5/125µm</td><td>275</td></tr> <tr><td>1000BASE-LX (1300 nm)</td><td>550</td></tr> <tr><td>Fibre Channel 266 (1300 nm)</td><td>1,500</td></tr> <tr><td>ATM 622 (1300 nm)</td><td>500</td></tr> <tr><td>ATM 155 (1300 nm)</td><td>2,000</td></tr> <tr><td>ATM 52 (1300 nm)</td><td>3,000</td></tr> <tr><td>FDD1 (Original-1300 nm)</td><td>2,000</td></tr> <tr><td>100BASE-FX (1300 nm)</td><td>2,000</td></tr> </tbody> </table> | APPLICATION | DISTANCE (m) | 10GBASE-SX (850 nm) | 82 | 50/125µm | 26 | 62.5/125µm | 26 | 1000BASE-SX (850 nm) | 550 | 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 | FDD1 (Original-1300 nm) | 2,000 | 100BASE-FX (1300 nm) | 2,000 |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100GBASE-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) | 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/125µm | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62.5/125µm | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000BASE-SX (850 nm) | 550 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FDD1 (Original-1300 nm) | 2,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100BASE-FX (1300 nm) | 2,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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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 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

| Fibre Type | Wavelength (nm) | Maximum Attenuation (dB/km) | Zero Dispersion Wavelength (nm) | Zero Dispersion Slope (nm ² -km) | Index of Refraction |
|------------------|-----------------|-----------------------------|---------------------------------|---|---------------------|
| Singlemode (OS2) | 1310 | 0.40 | 1312 ± 10 | ≤0.089 | 1.468 |
| | 1550 | 0.30 | 1312 ± 10 | ≤0.089 | 1.468 |
| | 1310-1625 | <0.40 | 1312 ± 10 | ≤0.089 | 1.468 |

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

| Fibre Count | Nominal Cable Diameter (mm) | Maximum Pulling Tension (Newtons) | | Nominal Net Weight (kg/km) |
|-------------|-----------------------------|-----------------------------------|-----------|----------------------------|
| | | Installation | Long Term | |
| 2 | 7.5 | 1500 | 700 | 55 |
| 4 | 7.5 | 1500 | 700 | 55 |
| 6 | 7.5 | 1500 | 700 | 55 |
| 8 | 7.5 | 1500 | 700 | 55 |
| 12 | 7.5 | 1500 | 700 | 60 |
| 16 | 10.5 | 1800 | 1200 | 90 |
| 24 | 10.5 | 1800 | 1200 | 90 |
| 36 | 10.5 | 1800 | 1200 | 90 |
| 48 | 10.5 | 1800 | 1200 | 90 |
| 72 | 10.5 | 1800 | 1200 | 90 |
| 96 | 12.0 | 1800 | 1200 | 125 |
| 144 | 15.0 | 1800 | 1200 | 190 |

| Fibre Count | Maximum Crush Resistance (N/mm) | Operating Temperature (°C) | Storage Temperature (°C) | Minimum Bend Radius | |
|-------------|---------------------------------|----------------------------|--------------------------|---------------------|-----------|
| | | | | Installation | Long Term |
| 2-12 | 20 | -30/70 | -40/70 | 20 x DIA. | 10 x DIA. |
| 16-144 | 30 | -30/60 | -40/70 | 20 x DIA. | 10 x DIA. |

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

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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