Siemon LSOH (IEC 60332-3) indoor/outdoor loose tube fiber 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 and Fiber Channel.

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 armour protection. The glass yarns provide a degree of protection because it is disagreeable and unpleasant for most rodents to gnaw the glass yarns.

**XGLO® & LightSystem® Indoor/Outdoor LooseTube, Dca - EMEA**

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**Ordering Information:**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Diameter</th>
<th>Length</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>D = LSOH-3C class DcA</td>
<td>6 = 62.5/125μm</td>
<td>S = 50/125μm</td>
<td>B = OS1/OS2 Singlemode</td>
</tr>
</tbody>
</table>

**Application Support**

<table>
<thead>
<tr>
<th>Application</th>
<th>Distance (m)</th>
<th>Distance (m)</th>
<th>Distance (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10GBase-S (850 nm)</td>
<td>N/A</td>
<td>260</td>
<td>275</td>
</tr>
<tr>
<td>9GBase-S (850 nm)</td>
<td>625</td>
<td>1,500</td>
<td>2,000</td>
</tr>
<tr>
<td>10GBase-S (1300 nm)</td>
<td>500</td>
<td>1,000</td>
<td>1,500</td>
</tr>
<tr>
<td>10GBase-S (1300 nm)</td>
<td>1,000</td>
<td>2,000</td>
<td>2,500</td>
</tr>
<tr>
<td>10GBase-S (1550 nm)</td>
<td>2,000</td>
<td>3,000</td>
<td>3,500</td>
</tr>
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**Applications Support**

<table>
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<th>Application</th>
<th>Distance (m)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>10GBase-GE (622 nm)</td>
<td>300</td>
<td>1,000</td>
<td>600</td>
</tr>
<tr>
<td>10GBase-GE (1300 nm)</td>
<td>500</td>
<td>2,000</td>
<td>2,500</td>
</tr>
<tr>
<td>10GBase-GE (1550 nm)</td>
<td>2,000</td>
<td>3,000</td>
<td>3,500</td>
</tr>
<tr>
<td>10GBase-FX (1300 nm)</td>
<td>2,000</td>
<td>3,000</td>
<td>3,500</td>
</tr>
</tbody>
</table>

**LightSystem Multimode 62.5/125, OM1**

**STANDARDS COMPLIANCE**

- ANSI/TIA-568.3-D
- ANSI/TIA-598-D
- ANSI/TIA-492 AAAD
- IEC 60793-2-10 Fiber Type A1a.3
- Telcordia GR-409-CORE
- IEC 60332-1-2, Class Eca
- IEC 60332-3, IEC 60332-1-12 (Single strand), IEC 60754-2 (Acid gas)
- IEC 61034-2 (Smoke Density)
- EN 50399 Class Dcas2d1a1

**Applications Support**

<table>
<thead>
<tr>
<th>Application</th>
<th>Distance (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10GBase-S (850 nm)</td>
<td>1,200</td>
</tr>
<tr>
<td>10GBase-LX (1300 nm)</td>
<td>5,000</td>
</tr>
<tr>
<td>10GBase-LX4 (1300 nm)</td>
<td>1,500</td>
</tr>
<tr>
<td>10GBase-LX (1550 nm)</td>
<td>5,000</td>
</tr>
<tr>
<td>10GBase-FX (1300 nm)</td>
<td>1,500</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Application</th>
<th>Distance (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10GBase-S (850 nm)</td>
<td>400</td>
</tr>
<tr>
<td>10GBase-LX (1300 nm)</td>
<td>1,500</td>
</tr>
<tr>
<td>10GBase-LX4 (1300 nm)</td>
<td>500</td>
</tr>
<tr>
<td>10GBase-LX (1550 nm)</td>
<td>1,500</td>
</tr>
<tr>
<td>10GBase-FX (1300 nm)</td>
<td>1,500</td>
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<tr>
<td>10GBase-S (850 nm)</td>
<td>1,000</td>
</tr>
<tr>
<td>10GBase-LX (1300 nm)</td>
<td>2,000</td>
</tr>
<tr>
<td>10GBase-LX4 (1300 nm)</td>
<td>700</td>
</tr>
<tr>
<td>10GBase-LX (1550 nm)</td>
<td>2,000</td>
</tr>
<tr>
<td>10GBase-FX (1300 nm)</td>
<td>2,000</td>
</tr>
</tbody>
</table>

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<tr>
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<td>2,000</td>
</tr>
<tr>
<td>10GBase-LX4 (1300 nm)</td>
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</tr>
<tr>
<td>10GBase-LX (1550 nm)</td>
<td>2,000</td>
</tr>
<tr>
<td>10GBase-FX (1300 nm)</td>
<td>2,000</td>
</tr>
</tbody>
</table>
**XGLO® & LightSystem® Indoor/Outdoor LooseTube, Dca - EMEA**

**LightSystem Gigabit Ethernet Fiber Optic Cable**

**Minimum Performance Parameters for LightSystem 62.5/125μm Multimode Fiber**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Wavelength (nm)</th>
<th>Maximum Attenuation (dB/km)</th>
<th>Minimum Modal Bandwidth (MHz·km)</th>
<th>Guaranteed Gigabit Transmission Distance Meters (Feet)</th>
<th>Index of Refraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.5/125 (OM1)</td>
<td>850</td>
<td>3.5</td>
<td>200</td>
<td>275 (902)</td>
<td>1.495</td>
</tr>
<tr>
<td></td>
<td>1300</td>
<td>1.0</td>
<td>500</td>
<td>550 (1804)</td>
<td>1.490</td>
</tr>
</tbody>
</table>

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

**Minimum Performance Parameters for XGLO 50/125μm Multimode Fiber**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Guaranteed Gigabit Transmission Distance (m)</th>
<th>Guaranteed 10 Gigabit Transmission Distance (m)</th>
<th>Minimum Bandwidth (MHz·km)</th>
<th>Maximum Attenuation (dB/km)</th>
<th>Group Index of Refraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>50/125 (OM3)</td>
<td>1000</td>
<td>600</td>
<td>300</td>
<td>1300</td>
<td>850</td>
</tr>
<tr>
<td>50/125 (OM4)</td>
<td>1100</td>
<td>600</td>
<td>550</td>
<td>1300</td>
<td>850</td>
</tr>
</tbody>
</table>

† 10GBASE-S †† 10GBASE-LX4

**Minimum Performance Parameters for XGLO Singlemode Fiber**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Wavelength (nm)</th>
<th>Maximum Attenuation (dB/km)</th>
<th>Zero Dispersion Wavelength (nm)</th>
<th>Zero Dispersion Slope (nm²·km)</th>
<th>Index of Refraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode (OS1/OS2)</td>
<td>1310</td>
<td>0.40</td>
<td>1312 ± 10</td>
<td>=0.089</td>
<td>1.468</td>
</tr>
<tr>
<td></td>
<td>1550</td>
<td>0.30</td>
<td>1312 ± 10</td>
<td>=0.089</td>
<td>1.468</td>
</tr>
<tr>
<td></td>
<td>1310 - 1625</td>
<td>=0.40</td>
<td>1312 ± 10</td>
<td>=0.089</td>
<td>1.468</td>
</tr>
</tbody>
</table>

**XGLO and LightSystem Indoor/Outdoor LooseTube Physical Specifications**

**PHYSICAL SPECIFICATIONS (All Values Are Nominal)**

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Nominal Cable Diameter (mm)</th>
<th>Maximum Pulling Tension Newtons (N)</th>
<th>Nominal Net Weight (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>7.5</td>
<td>1500</td>
<td>700</td>
</tr>
<tr>
<td>4</td>
<td>7.5</td>
<td>1500</td>
<td>700</td>
</tr>
<tr>
<td>6</td>
<td>7.5</td>
<td>1500</td>
<td>700</td>
</tr>
<tr>
<td>8</td>
<td>7.5</td>
<td>1500</td>
<td>700</td>
</tr>
<tr>
<td>12</td>
<td>7.5</td>
<td>1500</td>
<td>700</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Maximum Crush Resistance (N/mm)</th>
<th>Operating Temperature °C (°F)</th>
<th>Installation Temperature °C (°F)</th>
<th>Storage Temperature °C (°F)</th>
<th>Minimum Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-12</td>
<td>30 to 70 (86 to 158)°F</td>
<td>-15 to 40 (-25 to 104)°F</td>
<td>-40 to 60 (-40 to 140)°F</td>
<td>20 x DIA.</td>
<td>10 x DIA.</td>
</tr>
</tbody>
</table>

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