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 and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

### Ordering Information:

<table>
<thead>
<tr>
<th>Application</th>
<th>Distance (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 GBASE-S (850 nm)</td>
<td>N/A</td>
</tr>
<tr>
<td>62.5/125</td>
<td>250</td>
</tr>
<tr>
<td>1000 BASE-S (850 nm)</td>
<td>N/A</td>
</tr>
<tr>
<td>62.5/125</td>
<td>250</td>
</tr>
<tr>
<td>1000BASE-CX (1300 nm)</td>
<td>550</td>
</tr>
<tr>
<td>Fiber 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>2,000</td>
</tr>
<tr>
<td>FDDI (Oxgar-1300 nm)</td>
<td>2,000</td>
</tr>
<tr>
<td>10BASE-FX (1300 nm)</td>
<td>2,000</td>
</tr>
</tbody>
</table>

### Applications Support

- 10GBASE-S (850 nm)
- 10GBASE-LX (1300 nm)
- 1000BASE-S (850 nm)
- 1000BASE-LX (1300 nm)
- Fiber Channel 266 (1300 nm)
- ATM 622 (1300 nm)
- ATM 155 (1300 nm)
- ATM 52 (1300 nm)
- FDDI (Oxgar-1300 nm)
- 10BASE-FX (1300 nm)

### STANDARDS COMPLIANCE

- Telcordia GR-409-CORE
- IEC 60754-2 (Acid gas)
- IEC 60754-1-2 (Non Halogens)
- EN 60332-1-2 Class Eca
- EN 60332-1-2 Class A

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**Note:** The 2-12 strand cables feature a glass yarn design with a high tensile strength that provides a 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.
**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)</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>
</tr>
<tr>
<td></td>
<td>1300</td>
<td>1.0</td>
<td>500</td>
<td>550 (1804)</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>
</tr>
</thead>
<tbody>
<tr>
<td>50/125 (OM2)</td>
<td>850 nm: 1000&lt;br&gt;1300 nm: 600</td>
<td>850 nm: 300&lt;br&gt;1300 nm: 300</td>
<td>RML - 2000&lt;br&gt;OFL - 1500</td>
<td>OFL - 500: 3.0&lt;br&gt;500: 1.0</td>
</tr>
<tr>
<td>50/125 (OM4)</td>
<td>850 nm: 1000&lt;br&gt;1300 nm: 600</td>
<td>850 nm: 550&lt;br&gt;1300 nm: 300</td>
<td>RML - 4700&lt;br&gt;OFL - 3500</td>
<td>OFL - 500: 3.0&lt;br&gt;500: 1.0</td>
</tr>
</tbody>
</table>

**Minimum Performance Parameters for XGLO Singlemode Fiber**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Wavelength (nm)</th>
<th>Maximum Attenuation (dB/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode (OS1/OS2)</td>
<td>1310</td>
<td>0.40</td>
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<tr>
<td></td>
<td>1550</td>
<td>0.30</td>
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</tbody>
</table>

**XGLO and LightSystem Indoor/Outdoor LooseTube (EMEA) 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</th>
<th>Nominal Net Weight (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Installation</td>
<td>Long Term</td>
<td>Installation</td>
</tr>
<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>
<tr>
<td>16</td>
<td>10.5</td>
<td>1800</td>
<td>1200</td>
</tr>
<tr>
<td>24</td>
<td>10.5</td>
<td>1800</td>
<td>1200</td>
</tr>
<tr>
<td>36</td>
<td>10.5</td>
<td>1800</td>
<td>1200</td>
</tr>
<tr>
<td>48</td>
<td>10.5</td>
<td>1800</td>
<td>1200</td>
</tr>
<tr>
<td>72</td>
<td>10.5</td>
<td>1800</td>
<td>1200</td>
</tr>
<tr>
<td>96</td>
<td>12.0</td>
<td>1800</td>
<td>1200</td>
</tr>
<tr>
<td>144</td>
<td>15.0</td>
<td>1800</td>
<td>1200</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Maximum Crush Resistance (N/mm²)</th>
<th>Operation 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>20</td>
<td>-20 to 70 (-4 to 158)</td>
<td>-20 to 70 (-4 to 158)</td>
<td>-40 to 70 (-40 to 158)</td>
<td>20 x DIA.</td>
</tr>
<tr>
<td>16-144</td>
<td>30</td>
<td>-20 to 70 (-4 to 158)</td>
<td>-20 to 70 (-4 to 158)</td>
<td>-40 to 70 (-40 to 158)</td>
<td>20 x DIA.</td>
</tr>
</tbody>
</table>

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