Temperature Range

<table>
<thead>
<tr>
<th>Temperature Range</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating</td>
<td>-40°C to +70°C</td>
</tr>
<tr>
<td>Storage</td>
<td>-40°C to +70°C</td>
</tr>
<tr>
<td>Installation</td>
<td>-30°C to +60°C</td>
</tr>
</tbody>
</table>

Standards:
- ICEA S-87-640
- Telcordia GR-20-CORE
- RoHS

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Fiber Grade Code (x)</th>
<th>Jacket &amp; Subunit Color</th>
<th>Operating Wavelength (nm)</th>
<th>Max Attenuation (dB/km)</th>
<th>Min. OFL Bandwidth (MHz-km)</th>
<th>Min. Laser Bandwidth (MHz-km)</th>
<th>1 Gigabit Ethernet Min. Link Length (meters)</th>
<th>10 Gigabit Ethernet Min. Link Length (meters)</th>
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</thead>
<tbody>
<tr>
<td>OM1 - 62.5/125mm Multi-Mode</td>
<td>1</td>
<td>Black</td>
<td>850/1300</td>
<td>3.25/1.0</td>
<td>200/500</td>
<td>220/-</td>
<td>300/500</td>
<td>33/-</td>
</tr>
<tr>
<td>OM3 - 50/125mm Multi-Mode</td>
<td>3</td>
<td>Black</td>
<td>850/1300</td>
<td>3.0/1.0</td>
<td>1500/500</td>
<td>2000/-</td>
<td>1000/-</td>
<td>300/-</td>
</tr>
<tr>
<td>OM4 - 50/125mm Multi-Mode</td>
<td>4</td>
<td>Black</td>
<td>850/1300</td>
<td>3.0/1.0</td>
<td>3500/500</td>
<td>4700/-</td>
<td>1100/-</td>
<td>400/-</td>
</tr>
<tr>
<td>OS2 - Single Mode</td>
<td>S</td>
<td>Black</td>
<td>1310/1550</td>
<td>0.35/0.25</td>
<td>-</td>
<td>-</td>
<td>5000/-</td>
<td>10,000/40,000</td>
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</tbody>
</table>
### Single Jacket All-Dielectric

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Part Number²</th>
<th>Jacket Color</th>
<th>Nom. Jacket Dia. in (mm)</th>
<th>Weight lbs/1000ft (kg/km)</th>
<th>Max. Install Load lbs (N)</th>
<th>Max. Long Term Load lbs (N)</th>
<th>Min. Bend Radius Load</th>
<th>Min. Long Term Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>FSxL006NC</td>
<td>Black</td>
<td>0.390 (9.9)</td>
<td>43 (64)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>12</td>
<td>FSxL012ND</td>
<td>Black</td>
<td>0.390 (9.9)</td>
<td>43 (64)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>24</td>
<td>FSxL024ND</td>
<td>Black</td>
<td>0.390 (9.9)</td>
<td>43 (64)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>36</td>
<td>FSxL036ND</td>
<td>Black</td>
<td>0.390 (9.9)</td>
<td>43 (64)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>48</td>
<td>FSxL048ND</td>
<td>Black</td>
<td>0.390 (9.9)</td>
<td>43 (64)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>72</td>
<td>FSxL072ND</td>
<td>Black</td>
<td>0.405 (10.3)</td>
<td>49 (73)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>96</td>
<td>FSxL096ND</td>
<td>Black</td>
<td>0.460 (11.7)</td>
<td>70 (104)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>144</td>
<td>FSxL144ND</td>
<td>Black</td>
<td>0.600 (15.2)</td>
<td>101 (151)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
</tbody>
</table>

² Substitute (x) with Fiber Grade Code

### Double Jacket All-Dielectric

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Part Number²</th>
<th>Jacket Color</th>
<th>Nom. Jacket Dia. in (mm)</th>
<th>Weight lbs/1000ft (kg/km)</th>
<th>Max. Install Load lbs (N)</th>
<th>Max. LoND Term Load lbs (N)</th>
<th>Min. Bend Radius Load</th>
<th>Min. LoND Term Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>FSxH006NC</td>
<td>Black</td>
<td>0.465 (11.8)</td>
<td>67 (99)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>12</td>
<td>FSxH012ND</td>
<td>Black</td>
<td>0.465 (11.8)</td>
<td>67 (99)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>24</td>
<td>FSxH024ND</td>
<td>Black</td>
<td>0.465 (11.8)</td>
<td>67 (99)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>36</td>
<td>FSxH036ND</td>
<td>Black</td>
<td>0.465 (11.8)</td>
<td>67 (99)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>48</td>
<td>FSxH048ND</td>
<td>Black</td>
<td>0.465 (11.8)</td>
<td>67 (99)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>72</td>
<td>FSxH072ND</td>
<td>Black</td>
<td>0.485 (12.3)</td>
<td>73 (109)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>96</td>
<td>FSxH096ND</td>
<td>Black</td>
<td>0.540 (13.7)</td>
<td>97 (144)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>144</td>
<td>FSxH144ND</td>
<td>Black</td>
<td>0.680 (17.3)</td>
<td>135 (201)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>15x Cable OD</td>
<td>10x Cable OD</td>
</tr>
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</table>

² Substitute (x) with Fiber Grade Code
### Single Jacket Corrugated Steel Armor

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Part Number2</th>
<th>Jacket Color</th>
<th>Nom. Jacket Dia. in (mm)</th>
<th>Weight lbs/1000ft (kg/km)</th>
<th>Max. Install Load lbs (N)</th>
<th>Max. Long Term Load lbs (N)</th>
<th>Min. Bend Radius Load</th>
<th>Min. Long Term Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>FSxL0066C</td>
<td>Black</td>
<td>0.530 (13.5)</td>
<td>94 (140)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>12</td>
<td>FSxL0126D</td>
<td>Black</td>
<td>0.530 (13.5)</td>
<td>94 (140)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>24</td>
<td>FSxL0246D</td>
<td>Black</td>
<td>0.530 (13.5)</td>
<td>94 (140)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>36</td>
<td>FSxL0366D</td>
<td>Black</td>
<td>0.530 (13.5)</td>
<td>94 (140)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>48</td>
<td>FSxL0486D</td>
<td>Black</td>
<td>0.530 (13.5)</td>
<td>94 (140)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
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<tr>
<td>72</td>
<td>FSxL0726D</td>
<td>Black</td>
<td>0.530 (13.5)</td>
<td>99 (147)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>96</td>
<td>FSxL0966D</td>
<td>Black</td>
<td>0.610 (15.5)</td>
<td>124 (185)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>144</td>
<td>FSxL1446D</td>
<td>Black</td>
<td>0.730 (18.5)</td>
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<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
</tbody>
</table>

2 Substitute (x) with Fiber Grade Code

### Double Jacket Corrugated Steel Armor

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Part Number2</th>
<th>Jacket Color</th>
<th>Nom. Jacket Dia. in (mm)</th>
<th>Weight lbs/1000ft (kg/km)</th>
<th>Max. Install Load lbs (N)</th>
<th>Max. LoND Term Load lbs (N)</th>
<th>Min. Bend Radius Load</th>
<th>Min. LoND Term Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>FSxH0066C</td>
<td>Black</td>
<td>0.570 (14.5)</td>
<td>116 (173)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>12</td>
<td>FSxH0126D</td>
<td>Black</td>
<td>0.570 (14.5)</td>
<td>117 (174)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>24</td>
<td>FSxH0246D</td>
<td>Black</td>
<td>0.570 (14.5)</td>
<td>117 (174)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>36</td>
<td>FSxH0366D</td>
<td>Black</td>
<td>0.570 (14.5)</td>
<td>117 (174)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>48</td>
<td>FSxH0486D</td>
<td>Black</td>
<td>0.570 (14.5)</td>
<td>117 (174)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>72</td>
<td>FSxH0726D</td>
<td>Black</td>
<td>0.610 (15.5)</td>
<td>125 (186)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>96</td>
<td>FSxH0966D</td>
<td>Black</td>
<td>0.650 (16.5)</td>
<td>154 (229)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
<tr>
<td>144</td>
<td>FSxH1446D</td>
<td>Black</td>
<td>0.810 (20.6)</td>
<td>202 (301)</td>
<td>600 (2670)</td>
<td>180 (800)</td>
<td>20x Cable OD</td>
<td>10x Cable OD</td>
</tr>
</tbody>
</table>

2 Substitute (x) with Fiber Grade Code

¹This design incorporates one or more moisture blocking agents located between the outside of each fiber bundle and the inner wall of each loose-tube, but not within each fiber bundle itself, so as to protect the outside of each fiber bundle, and thus prevent water penetration along the length of the loose-tube.