OptoSpan's SecureFlex™ Locking Fiber Cables are designed to prevent unauthorized and/or inadvertent changes in highly sensitive applications such as Datacenters and Secure IT networks. These locking cables plug into any conventional adapters or panels, but can only be disconnected using a matching colored coded key.

The SecureFlex Locking cables also feature a higher performance Ultra Low-loss LC ferrule which reduces the insertion loss (IL) to less than .09dB (ordinary IL is .30dB) and the new 360° flex angle boots which solve the congestion problems that naturally occur when hundreds of fibers terminate at one small patch panel.

**TECHNICAL SPECIFICATIONS**

**SECUREFLEX-LC CONNECTOR**

<table>
<thead>
<tr>
<th></th>
<th>IL AGAINST MASTER (DB)</th>
<th>IL RANDOM MATING (DB)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Average IL</td>
<td>Maximum IL</td>
</tr>
<tr>
<td>Solid Body Low Loss SM</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Solid Body Low Loss APC SM</td>
<td>0.07</td>
<td>0.15</td>
</tr>
<tr>
<td>Solid Body Low Loss MM</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +75°C</td>
<td></td>
</tr>
<tr>
<td>Durability</td>
<td>&lt;0.2dB typical change, 500 matings</td>
<td></td>
</tr>
</tbody>
</table>

**CLEARCURVE® OM4 FIBER**

<table>
<thead>
<tr>
<th>Attenuation</th>
<th>Maximum Value (dB/km)</th>
<th>Mandrel Radius (nm)</th>
<th>Number of turns</th>
<th>Induced Attenuation (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength (nm)</td>
<td>850</td>
<td>≤ 2.3</td>
<td>37.5</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>1300</td>
<td>≤ 0.6</td>
<td>15</td>
<td>2</td>
</tr>
</tbody>
</table>

Note: Exceeds Verizon FOC TPR 9409 and IEC61300-3-34 Grade A random mating requirements.

OptoSpan, New York • Tel: (877) 819-0484 • Inquiries: sales@optospan.com • OptoSpan.com
TECHNICAL SPECIFICATIONS

SECUREFLEX CABLES SIMPLE LOCKING AND UNLOCKING PROCESS

STEP 1.
REMOVE CABLE USING A MATCHING KEY

LOCKED CABLE

INSERT MATCHING KEY

REMOVE CABLE

STEP 2.
DISENGAGE KEY FROM CABLE

INSERT EXTRACTION TOOL

EXTRACTOR ENGAGED

DISENGAGE KEY

FEATURES

• Once connected, cables can only be removed by using the keyed tool
• 4 key combinations with separate colors
• Plugs into standard LC adapters & transceivers
• Compact Uni-body Duplex format

APPLICATIONS

• Military and Federal networking
• High Density Patching Applications
• Highly Sensitive Data Centers
• Tamper Proof Networks

4 KEYS/CONNECTOR PAIRS AVAILABLE

Note: The SECUREFLEX cables exceeds Verizon FOC TPR 9409 and IEC61300-3-34 Grade A random mating requirements.

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