AVNOC

Linden’s avionic grade fiber optic cables are designed for the most rigorous avionic environment. AVNOC™ is built to survive the perils of aircraft confines such as high temperature, large temperature variations, high vibration and extreme flexing. Using our patented cable jacket construction designed to protect the fiber from harsh mechanical conditions; our cables are stronger, lighter and smaller than existing flight qualified cables.

Features

- Meets AS5382
- Simple 3-layer extruded construction
- High temperature
- Lighter design
- Bend insensitive 9µm singlemode
- 50µm multimode version
- Eliminates need for carbon coated fiber

Advantages

- No Kevlar
- Non-Wicking
- Crush Resistant
- Non-Kink
- Easier to terminate
- Better fatigue performance than carbon coated fibers
## Singlemode

<table>
<thead>
<tr>
<th>Spec No.</th>
<th>Part No.</th>
<th>Fiber Type</th>
<th>OD (mm)</th>
<th>Attenuation @ 1310nm (dB/km)</th>
<th>Attenuation @ 1550nm (dB/km)</th>
<th>Tensile Strength (lbs)</th>
<th>Weight (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINDEN-SPE-7033</td>
<td>1-D-A-27-M-66</td>
<td>Draka BendBright Elite w/ silicone buffer</td>
<td>1.7</td>
<td>1.5</td>
<td>1.4</td>
<td>45</td>
<td>3.1</td>
</tr>
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</table>

## Multimode

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<th>Spec No.</th>
<th>Part No.</th>
<th>Fiber Type</th>
<th>OD (mm)</th>
<th>Attenuation @ 850nm (dB/km)</th>
<th>Attenuation @ 1310nm (dB/km)</th>
<th>Tensile Strength (lbs)</th>
<th>Weight (kg/km)</th>
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<tbody>
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<td>LINDEN-SPE-7041</td>
<td>1-E-A-27-M-66</td>
<td>Draka Graded Index 50/125/242 silicone buffer</td>
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<td>6</td>
<td>4</td>
<td>45</td>
<td>3.1</td>
</tr>
</tbody>
</table>

**CONTACT LINDEN FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS**

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**Linden Photonics, Inc.**

Harmonizing Opposing Goals

Strength & Flexibility