**Tech-Kern**

Tech-Kern is a Kernmantle-style rope consisting of a braided Technora® Aramid core covered by a 48-strand Technora® mantle. If you are familiar with our Kernmaster, you already know the advantages of a braided-core rappelling line. The Tech-Kern was designed to bring the highest heat resistance to the market.

Technora® has a high melting point and acts as a heat sink when used with high-friction applications, as with descent devices. If heat is on your mind, consider Tech-Kern.

### Specifications

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Average Spliced Break Strength*</th>
<th>Minimum Spliced Break Strength*</th>
<th>Maximum** Working Load 10:1</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inches (mm)</strong></td>
<td><strong>Lbs</strong></td>
<td><strong>Kg</strong></td>
<td><strong>Lbs</strong></td>
<td><strong>Kg</strong></td>
</tr>
<tr>
<td>0.45 (11.4)</td>
<td>21,000</td>
<td>9,530</td>
<td>18,900</td>
<td>8,577</td>
</tr>
</tbody>
</table>

* Knots and abrupt bends significantly reduce the strength of all ropes and lower the maximum working load.
** For situations where a person is NOT on the rope, the working load may be doubled (5:1).

**Energy Absorption**

The colored area under the curve represents the rope's ability to do “work” and is expressed in foot-pounds per pound of rope in tension.

- Green working: 233 ft. lbs./lb.
- Red ultimate: 4,571 ft. lbs./lb.

**Dielectric Strength**: Due to their moisture gain, high-dielectric applications are not recommended.

Approved Splice Technique: #10018000.

**Specific Gravity**: 1.44