Multitube Design

Features

- Available with up to 144 fibers
- Multiple Fiber types available
- Galvanized Steel Wire Armouring

Applications

- Suitable for indoor duct, tray or buried installations such as tunnels.
- Excellent mechanical features.
- High anti-rat protection.

Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0 km.

Construction Details

These cables have strain free fiber due to S-Z stranding. The core is constructed by stranding the buffer tubes around a central strength member. Longitudinal water protection is enabled by water blocking compounds in tube and core. Then encased in a black inner sheath. Galvanized steel wire armour and a black outer sheath complete the cable construction. Ripcords are included under the inner sheath and each armour for ease of entry. Steel wire armouring provides very high tensile strength to the cable.

Specifications

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Number of Fibers per tube</th>
<th>Number of tubes</th>
<th>Diameter (mm)</th>
<th>Cable Weight (kg/km)</th>
<th>Tensile Strength (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-12F</td>
<td>2</td>
<td>1-6</td>
<td>13.5</td>
<td>340</td>
<td>4000</td>
</tr>
<tr>
<td>32F</td>
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<td>6</td>
<td>14.5</td>
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<td>4000</td>
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<td>14.5</td>
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<td>12</td>
<td>12</td>
<td>15.5</td>
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<td>4000</td>
</tr>
</tbody>
</table>

Environmental Specifications (Temperature)

Operation and Storage: -30°C to +70°C
Installation: -30°C to +70°C

Standards Compliant

- ITU-T
- Telecordia GR-20
- IEC 60793 & 60794
- EIA/TIA
- EN187000
- RUS1755.900

www.hfcl.com
Armoured Steel Wired Cable  

**Unitube Design**

**Construction Details**

The core constitutes of a central tube with fibers along with filling gel. The core is wrapped with flexible strength members covered with a water-blocking tape, then encased in a black inner sheath. Galvanized steel wire armour and a black outer sheath complete the cable construction. Ripcords are included under the inner sheath and each armour for ease of entry.

**Specifications**

<table>
<thead>
<tr>
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</thead>
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<td>10.0</td>
<td>165</td>
<td>3000</td>
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<td>10.0</td>
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<td>3000</td>
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<tr>
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<td>12</td>
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<td>10.0</td>
<td>165</td>
<td>3000</td>
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<tr>
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<td>10.0</td>
<td>165</td>
<td>3000</td>
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<tr>
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<td>24</td>
<td>1</td>
<td>10.5</td>
<td>180</td>
<td>3000</td>
</tr>
</tbody>
</table>

**Environmental Specifications (Temperature)**

Operation and Storage: -30°C to +70°C  
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**Product Options**

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.