**Construction Details**

The core constitutes of a central tube with up to 24 fibers placed inside along with filling gel. The core is wrapped with flexible strength members, a water-blocking tape and then encased with a black sheath and an integrated steel messenger. A rip cord is included under the sheath for ease of entry.

### Specifications

**Cable Configuration**

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Number of Fibers per tube</th>
<th>Dimension (mm)</th>
<th>Cable Weight (kg/km)</th>
<th>Tensile Strength (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-12F</td>
<td>12</td>
<td>6.0 x 12.0</td>
<td>85</td>
<td>800</td>
</tr>
<tr>
<td>24F</td>
<td>24</td>
<td>6.5 x 12.5</td>
<td>95</td>
<td>800</td>
</tr>
</tbody>
</table>

**Environmental Specifications (Temperature)**

Operation and Storage: -40°C to +70°C  
Installation: -30°C to +75°C

**Standards Compliant**

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

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**Features**

- This design offers a reliable transmission performance over a broad temperature range.
- Easy handling
- Conforms to standard pole attachment hardware
- Flame Retardant (Optional)
- Multiple Network applications.

**Applications**

- Aerial Self Support medium span installations
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

**Product Options**

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 3.0, 4.0 km.

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**Construction Details**

The optical fibers are placed inside gel-filled buffer tubes. The core is constructed by stranding the buffer tubes around a central member. The core is wrapped with flexible strength members, a water-blocking tape and then encased with a black sheath and an integrated steel messenger. A rip cord is included under the sheath for ease of entry.

**Specifications**

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Number of Fibers per tube</th>
<th>Number of tubes</th>
<th>Dimension (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>10 x 17</td>
<td>130</td>
<td>5000</td>
</tr>
<tr>
<td>24F</td>
<td>4</td>
<td>6</td>
<td>10 x 17</td>
<td>130</td>
<td>5000</td>
</tr>
<tr>
<td>48F</td>
<td>8</td>
<td>6</td>
<td>10 x 17</td>
<td>135</td>
<td>5000</td>
</tr>
<tr>
<td>96F</td>
<td>12</td>
<td>8</td>
<td>12 x 18.5</td>
<td>175</td>
<td>6000</td>
</tr>
<tr>
<td>144F</td>
<td>12</td>
<td>12</td>
<td>15.5 x 22</td>
<td>230</td>
<td>6000</td>
</tr>
</tbody>
</table>

**Environmental Specifications (Temperature)**

Operation and Storage: -40°C to +70°C
Installation: -30°C to +75°C

**Standards Compliant**

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

**Features**

- This design offers a reliable transmission performance over a broad temperature range.
- This design offers an alternative for aerial cable installations in stringent environmental conditions
- Easy handling
- Conforms to standard pole attachment hardware
- Flame Retardant (Optional)
- Wet Core (Optional)
- Multiple Network applications.

**Applications**

- Aerial Self Support installations
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

**Product Options**

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 3.0, 4.0 km.