**Construction Details**

Glass Yarn armoured cables are dielectric and suitable for duct and aerial application. The rugged loose tube design features optical fibers placed inside gel-filled buffer tubes. The core is constructed by stranding the buffer tube around a central strength member. The core is wrapped with flexible strength member and water blocking elements and then encased with a black outer sheath.

**Features**

- This design offers a reliable transmission performance over a broad temperature range.
- Multiple fiber types, including hybrid.
- High Fiber density.
- Improved compressive strength
- Rodent Proof
- Flame Retardant (Optional)
- Multiple Network applications.

**Applications**

- Underground duct and lashed
- 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, 4.0 km.

**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>10.0</td>
<td>80</td>
<td>2000</td>
</tr>
<tr>
<td>24F</td>
<td>4</td>
<td>6</td>
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<td>2000</td>
</tr>
<tr>
<td>48F</td>
<td>8</td>
<td>6</td>
<td>10.5</td>
<td>85</td>
<td>2000</td>
</tr>
<tr>
<td>96F</td>
<td>12</td>
<td>8</td>
<td>11.5</td>
<td>120</td>
<td>3000</td>
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<td>12</td>
<td>12</td>
<td>14.5</td>
<td>180</td>
<td>3000</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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**Construction Details**

The core constitutes of a central tube with up to 24 fibers placed inside along with filling gel. The tube is wrapped with flexible strength member and water blocking elements and then encased with a black outer sheath.

**Features**

- This design offers a reliable transmission performance over a broad temperature range.
- Easy handling
- Flexible
- Peripheral Strength Members available in metallic or dielectric nature.
- Flame Retardant (Optional)
- Multiple Network applications.

**Applications**

- Underground duct, Lashed aerial
- 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, 4.0 km.

**Specifications**

<table>
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<tr>
<th>Cable Configuration</th>
<th>Fiber Count</th>
<th>Diameter (mm)</th>
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</tr>
</thead>
<tbody>
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<td>2-12F</td>
<td>8.0</td>
<td>50</td>
<td></td>
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<tr>
<td>24F</td>
<td>9.0</td>
<td>65</td>
<td></td>
<td>1000</td>
</tr>
</tbody>
</table>

**Environmental Specifications (Temperature)**

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