Loose Tube Cable

Innovative loose tube cable designs from Furukawa Electric fulfill the need for every situation, and provide excellent performance. Our complete portfolio offers cables with increased fiber density and easy deployment for a wide range of installations, including duct, aerial (Lashed and self-supporting), and direct buried.

**Features and Benefits**

- Time proven technologies with a proven history
- Available with full range of fiber types
- Fulfilling the needs for every situation (Duct, aerial, direct buried, and indoor application)
- Dry core technology for a more craft-friendly, jelly-free cable core, resulting easy of handling
- Available for metallic or non-metallic central strength member
- Proven loose tube design provides outstanding optical fiber protection
- Armored structure provides outstanding mechanical strength and enhanced rodent protection
- Ripcord allows easy jacket removal

**Construction**

*Underground cable*

- **Double jacket (Direct buried)**
  - Gel-filled buffer tube
  - Optical fibers
  - Central strength member
  - Central member jacket
  - Additional strength elements
  - Corrugated steel armor
  - Inner PE jacket
  - Outer PE jacket
  - DryBlock water blocking material
  - Ripcord(s)

- **Single jacket (Duct)**
  - Gel-filled buffer tube
  - Optical fibers
  - Central strength member
  - Central member jacket
  - Additional strength elements
  - Outer PE jacket
  - DryBlock water blocking material
  - Ripcord(s)
### Specification

#### Underground Cable

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification for underground cable</th>
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</thead>
<tbody>
<tr>
<td>Fiber count</td>
<td>2-60 61-72 73-96 97-120 121-144 145-216 217-240 241-288</td>
</tr>
<tr>
<td>Outer diameter (mm)</td>
<td>Double jacket 12.9 13.6 15.3 17.0 18.6 18.3 19.1 20.9</td>
</tr>
<tr>
<td>Weight (kg/km)</td>
<td>Double jacket 162 182 223 280 318 186 173 195 234</td>
</tr>
<tr>
<td>Maximum pulling tension (N)</td>
<td>2700</td>
</tr>
<tr>
<td>Minimum bending radius (mm)</td>
<td>Double jacket 129 136 153 170 186 183 191 209</td>
</tr>
<tr>
<td></td>
<td>Single jacket type 101 107 125 141 157 154 162 180</td>
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</table>

#### Aerial Cable

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification for aerial cable</th>
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<tbody>
<tr>
<td>Fiber count</td>
<td>Figure 8 2-60 62-72 74-96</td>
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<tr>
<td>Outer diameter (mm)</td>
<td>Figure 8 11×20.3 12.2×24 14×25.9</td>
</tr>
<tr>
<td>Weight (kg/km)</td>
<td>Figure 8 209 226 250</td>
</tr>
<tr>
<td>Maximum pulling tension (N)</td>
<td>Figure 8 2700</td>
</tr>
<tr>
<td>Minimum bending radius (mm)</td>
<td>Figure 8 10×cable diameter</td>
</tr>
</tbody>
</table>

*This is typical specification. Furukawa Electric reserves the right to improve, enhance and modify the specification of these products without prior notification.*