Base Product

Fiber Optic Cable, Outdoor Arid Core Gel-Free Tubes, Central Tube All-Dielectric

- CommScope’s outside plant fiber cables are made with high-performance, standards-compliant materials
- The portfolio includes both armored and dielectric designs available with dry or gel-filled tubes
- Superior mechanical and optical performance with unmatched stability and quality

Product Classification

Regional Availability

<table>
<thead>
<tr>
<th>Asia</th>
<th>Australia/New Zealand</th>
<th>EMEA</th>
<th>Latin America</th>
<th>North America</th>
</tr>
</thead>
</table>

Portfolio

CommScope®

Product Type

Fiber OSP cable

Product Series

D-CN

General Specifications

Cable Type

Ribbon central tube

Construction Type

Non-armored

Subunit Type

Gel-free

Jacket Color

Black

Ordering Tree
### Mechanical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tensile Load, long term, maximum</strong></td>
<td>800 N</td>
</tr>
<tr>
<td><strong>Tensile Load, short term, maximum</strong></td>
<td>2700 N</td>
</tr>
<tr>
<td><strong>Compression</strong></td>
<td>22 N/mm</td>
</tr>
<tr>
<td><strong>Compression Test Method</strong></td>
<td>FOTP-41</td>
</tr>
<tr>
<td><strong>Flex</strong></td>
<td>25 cycles</td>
</tr>
<tr>
<td><strong>Flex Test Method</strong></td>
<td>FOTP-104</td>
</tr>
<tr>
<td><strong>Impact Test Method</strong></td>
<td>FOTP-25</td>
</tr>
<tr>
<td><strong>Strain</strong></td>
<td>See long and short term tensile loads</td>
</tr>
<tr>
<td><strong>Strain Test Method</strong></td>
<td>FOTP-33</td>
</tr>
<tr>
<td><strong>Twist</strong></td>
<td>10 cycles</td>
</tr>
</tbody>
</table>

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Twist Test Method

Environmental Specifications

Installation temperature
-30 °C to +60 °C (-22 °F to +140 °F)

Operating Temperature
-40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature
-40 °C to +75 °C (-40 °F to +167 °F)

Cable Qualification Standards
ANSI/ICEA S-87-640  |  Telcordia GR-20

Environmental Space
Aerial, lashed  |  Buried

Jacket UV Resistance
UV stabilized

Water Penetration
24 h

Water Penetration Test Method
FOTP-82  |  IEC 60794-1 F5

Environmental Test Specifications

Heat Age
-40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test Method
IEC 60794-1 F9

Low High Bend
-30 °C to +60 °C (-22 °F to +140 °F)

Low High Bend Test Method
FOTP-37  |  IEC 60794-1 E11

Temperature Cycle
-40 °C to +70 °C (-40 °F to +158 °F)

Temperature Cycle Test Method
FOTP-3  |  IEC 60794-1 F1

* Footnotes

Operating Temperature  Specification applicable to non-terminated bulk fiber cable