TeraSPEED® Plenum Distribution Cable 8-Fiber Single-Unit

Product Classification

Regional Availability
- Asia
- Australia/New Zealand
- Latin America
- Middle East/Africa
- North America

Portfolio
CommScope®

Product Type
Fiber indoor cable

General Specifications

Cable Type
Distribution

Construction Type
Non-armored

Fiber Type, quantity
8

Jacket Color
Red

Subunit Type
Gel-free

Total Fiber Count
8

Dimensions

Diameter Over Jacket
5.02 mm | 0.198 in

Representative Image
## Mechanical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Bend Radius, loaded</td>
<td>75 mm</td>
<td>2.953 in</td>
</tr>
<tr>
<td>Minimum Bend Radius, unloaded</td>
<td>50 mm</td>
<td>1.969 in</td>
</tr>
<tr>
<td>Tensile Load, long term, maximum</td>
<td>200 N</td>
<td>44.962 lbf</td>
</tr>
<tr>
<td>Tensile Load, short term, maximum</td>
<td>667 N</td>
<td>149.948 lbf</td>
</tr>
<tr>
<td>Compression</td>
<td>10 N/mm</td>
<td>57.101 lb/in</td>
</tr>
<tr>
<td>Compression Test Method</td>
<td>FOTP-41</td>
<td>IEC 60794-1 E3</td>
</tr>
<tr>
<td>Flex</td>
<td>100 cycles</td>
<td></td>
</tr>
<tr>
<td>Flex Test Method</td>
<td>FOTP-104</td>
<td>IEC 60794-1 E6</td>
</tr>
<tr>
<td>Impact</td>
<td>5.88 N-m</td>
<td>52.042 in lb</td>
</tr>
<tr>
<td>Impact Test Method</td>
<td>FOTP-25</td>
<td>IEC 60794-1 E4</td>
</tr>
<tr>
<td>Strain</td>
<td>See long and short term tensile loads</td>
<td></td>
</tr>
<tr>
<td>Strain Test Method</td>
<td>FOTP-33</td>
<td>IEC 60794-1 E1</td>
</tr>
<tr>
<td>Twist</td>
<td>10 cycles</td>
<td></td>
</tr>
<tr>
<td>Twist Test Method</td>
<td>FOTP-85</td>
<td>IEC 60794-1 E7</td>
</tr>
<tr>
<td>Vertical Rise, maximum</td>
<td>500 m</td>
<td>1,640.42 ft</td>
</tr>
</tbody>
</table>

## Optical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
</table>

## Environmental Specifications
Installation temperature: 0 °C to +70 °C (+32 °F to +158 °F)
Operating Temperature: -20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature: -40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards: ANSI/ICEA S-83-596 | Telcordia GR-409
Environmental Space: Plenum
Flame Test Listing: NEC OFNP (ETL) and c(ETL)
Flame Test Method: NFPA 130 | NFPA 262

Environmental Test Specifications
- Heat Age: -20 °C to +85 °C (-4 °F to +185 °F)
- Heat Age Test Method: IEC 60794-1 F9
- Low High Bend: -20 °C to +70 °C (-4 °F to +158 °F)
- Low High Bend Test Method: FOTP-37 | IEC 60794-1 E11
- Temperature Cycle: -20 °C to +70 °C (-4 °F to +158 °F)
- Temperature Cycle Test Method: FOTP-3 | IEC 60794-1 F1

Packaging and Weights
- Cable weight: 25 kg/km | 16.799 lb/kft

Regulatory Compliance/Certifications
- ISO 9001:2015: Designed, manufactured and/or distributed under this quality management system

Included Products
- CS-8W-TB: TeraSPEED® Singlemode Fiber

* Footnotes
- Operating Temperature: Specification applicable to non-terminated bulk fiber cable