**TeraSPEED® Single Jacket All-Dielectric Indoor/Outdoor Cable + Copper Conductor(s)**

### Product Classification

<table>
<thead>
<tr>
<th>Regional Availability</th>
<th>Asia</th>
<th>Australia/New Zealand</th>
<th>EMEA</th>
<th>Latin America</th>
<th>North America</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Portfolio</strong></td>
<td>CommScope®</td>
<td></td>
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</tr>
<tr>
<td><strong>Product Type</strong></td>
<td>Hybrid cable, copper and fiber</td>
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</tr>
<tr>
<td><strong>Product Brand</strong></td>
<td>TeraSPEED®</td>
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</tbody>
</table>

### General Specifications

- **Cable Type**: Stranded loose tube
- **Conductors, quantity**: 4
- **Construction Type**: Armored
- **Fiber Short Description**: P-048-LZ-HY-F12BK/25D/XYXXX/NX14AWG
- **Subunit Type**: Gel-free
- **Filler, quantity**: 0
- **Jacket Color**: Black
- **Subunit, quantity**: 1
- **Fibers per Subunit, quantity**: 12
- **Total Fiber Count**: 12

### Dimensions

- **Buffer Tube/Subunit Diameter**: 2.54 mm | 0.1 in
- **Diameter Over Jacket**: 17.78 mm | 0.7 in
- **Conductor Gauge**: 14 AWG

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Mechanical Specifications

Minimum Bend Radius, loaded: 358.14 mm | 14.1 in
Minimum Bend Radius, unloaded: 251.46 mm | 9.9 in
Tensile Load, long term, maximum: 400.34 N | 90 lbf
Tensile Load, short term, maximum: 1,334.466 N | 300 lbf
Compression: 8.625 kg/mm | 483 lb/in
Compression Test Method: FOTP-41 | IEC 60794-1 E3
Flex: 25 cycles
Flex Test Method: FOTP-104 | IEC 60794-1 E6
Impact: 2.17 ft lb | 2.942 N-m
Impact Test Method: FOTP-25 | IEC 60794-1 E4
Strain: See long and short term tensile loads
Strain Test Method: FOTP-33 | IEC 60794-1 E1
Twist: 10 cycles
Twist Test Method: FOTP-85 | IEC 60794-1 E7
Vertical Rise, maximum: 115.824 m | 380 ft

Optical Specifications

Fiber Type: G.652.D and G.657.A1, TeraSPEED® | OS2 | OS2

Environmental Specifications

Installation temperature: -30 °C to +70 °C (-22 °F to +158 °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-104-696 | EN 187105 | Telcordia GR-409

### Environmental Space
- Aerial, lashed
- Buried
- Plenum
- Wireless installation

### Flame Test Listing
NEC CMP-OF (ETL) and c(ETL)

### Flame Test Method
NFPA 262

### Jacket UV Resistance
UV stabilized

### Water Penetration
24 h

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

## Environmental Test Specifications

<table>
<thead>
<tr>
<th>Test Case</th>
<th>Temperature Range</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Freeze</td>
<td>-2 °C</td>
<td>28.4 °F</td>
</tr>
<tr>
<td>Cable Freeze Test Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drip</td>
<td>70 °C</td>
<td>158 °F</td>
</tr>
<tr>
<td>Drip Test Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heat Age</td>
<td>-40 °C to +85 °C (-40 °F to +185 °F)</td>
<td>IEC 60794-1 F9</td>
</tr>
<tr>
<td>Heat Age Test Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low High Bend</td>
<td>-30 °C to +60 °C (-22 °F to +140 °F)</td>
<td>FOTP-37</td>
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<tr>
<td>Low High Bend Test Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Cycle</td>
<td>-40 °C to +70 °C (-40 °F to +158 °F)</td>
<td>FOTP-3</td>
</tr>
<tr>
<td>Temperature Cycle Test Method</td>
<td></td>
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</tr>
</tbody>
</table>

## Packaging and Weights

<table>
<thead>
<tr>
<th>Weight</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable weight</td>
<td>352.695 kg/km</td>
</tr>
</tbody>
</table>

## Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant</td>
</tr>
<tr>
<td>UK-ROHS</td>
<td>Compliant</td>
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Included Products

CS-8W-LT  -  TeraSPEED® G652D/G657A1 Singlemode Fiber

* Footnotes

Operating Temperature  Specification applicable to non-terminated bulk fiber cable