

Fiber OSP cable, TeraSPEED® Single Jacket All-Dielectric, 196 fiber, Gel-Free, Stranded Loose Tube, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color

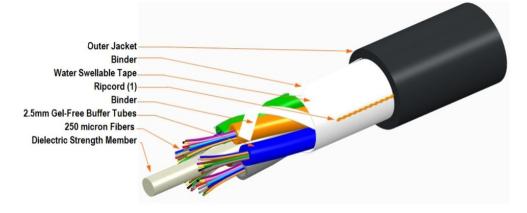
#### Product Classification

| Regional Availability        | Asia   Australia/New Zealand   EMEA   Latin America   North<br>America |
|------------------------------|--|
| Portfolio                    | CommScope®   |
| Product Type                 | Fiber OSP cable  |
| Product Series               | D-LN   |
| General Specifications       |  |
| Cable Type                   | Stranded loose tube  |
| Construction Type            | Non-armored  |
| Subunit Type                 | Gel-free   |
| Filler, quantity             | 1  |
| Jacket Color                 | Black  |
| Jacket Marking               | Feet   |
| Subunit, quantity            | 17   |
| Fibers per Subunit, quantity | 12   |
| Total Fiber Count            | 196  |
| Dimensions                   |  |
| Buffer Tube/Subunit Diameter | 2.5 mm   0.098 in  |
| Diameter Over Jacket         | 15.8 mm   0.622 in   |
|                              |  |

### Representative Image

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### Material Specifications

| Jacket Material                   | PE                                    |
|-----------------------------------|---------------------------------------|
| Mechanical Specifications         |                                       |
| Minimum Bend Radius, loaded       | 237 mm   9.331 in                     |
| Minimum Bend Radius, unloaded     | 158 mm   6.22 in                      |
| Tensile Load, long term, maximum  | 800 N   179.847 lbf                   |
| Tensile Load, short term, maximum | 2700 N   606.984 lbf                  |
| Compression                       | 22 N/mm   125.623 lb/in               |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 5.15 N-m   45.581 in lb               |
| 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            | 629 m   2,063.648 ft                  |
| Optical Specifications            |                                       |

Fiber Type

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

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#### **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-87-640   EN 187105   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**

| Cable Freeze                  | -2 °C   28.4 °F                      |
|-------------------------------|--------------------------------------|
| Cable Freeze Test Method      | FOTP-98   IEC 60794-1 F15            |
| 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              |
|                               |                                      |

#### Packaging and Weights

#### Cable weight

130 kg/km | 87.356 lb/kft

### Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC    | Compliant as per SVHC revision on www.commscope.com/ProductCompliance          |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |
|               |  |



### Included Products

CS-8W-LT

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- TeraSPEED® G652D/G657A1 Singlemode Fiber

### \* Footnotes

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

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