

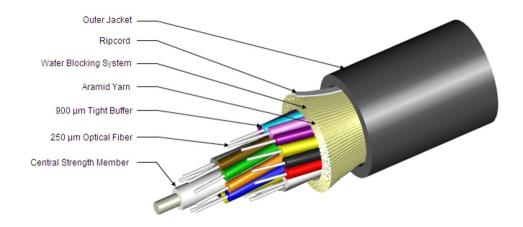
Fiber indoor/outdoor cable, TeraSPEED® LSZH Riser Distribution, 6 fiber single-unit, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color, Dca flame rating

## Product Classification

| Regional Availability  | Asia   Australia/New Zealand   EMEA   Latin America   North<br>America |
|------------------------|--|
| Portfolio              | CommScope®   |
| Product Type           | Fiber indoor/outdoor cable   |
| Product Series         | Z-DS   |
| General Specifications |  |
| Cable Type             | Distribution   |
| Construction Type      | Non-armored  |
| Jacket Color           | Black  |
| Jacket Marking         | Feet   |
| Total Fiber Count      | 6  |
| Dimensions             |  |
| Diameter Over Jacket   | 5.5 mm   0.217 in  |
| Representative Image   |  |

Page 1 of 4





### Mechanical Specifications

| Minimum Bend Radius, loaded       | 83 mm   3.268 in                      |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded     | 55 mm   2.165 in                      |
| Tensile Load, long term, maximum  | 400 N   89.924 lbf                    |
| Tensile Load, short term, maximum | 1335 N   300.12 lbf                   |
| Compression                       | 10 N/mm   57.101 lb/in                |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 100 cycles                            |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 2.94 N-m   26.021 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            | 500 m   1,640.42 ft                   |
| Optical Specifications            |                                       |

### Optical Specifications

Fiber Type

G.652.D and G.657.A1, TeraSPEED®

## Environmental Specifications

#### Installation temperature

-30 °C to +60 °C (-22 °F to +140 °F)

Page 2 of 4



| 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-20 (water<br>penetration)   Telcordia GR-409 |
| EN50575 CPR Cable EuroClass Fire Performance | Dca   |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1a   |
| EN50575 CPR Cable EuroClass Droplets Rating  | d1  |
| EN50575 CPR Cable EuroClass Acidity Rating   | a2  |
| Environmental Space                          | Low Smoke Zero Halogen (LSZH)   Riser   |
| Flame Test Listing                           | NEC OFNR-ST1 (ETL) and c(ETL)   |
| Flame Test Method                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685                                 |
| Jacket UV Resistance                         | UV stabilized   |
| Water Penetration                            | 24 h  |
| Water Penetration Test Method                | FOTP-82   IEC 60794-1 F5  |

### Environmental Test Specifications

| Cable Freeze Test Method      | 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                 | -40 °C to +70 °C (-40 °F to +158 °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

26 kg/km | 17.471 lb/kft

## Regulatory Compliance/Certifications

| Classification   |
|--|
| EN 50575 compliant, Declaration of Performance (DoP) available                 |
| Below maximum concentration value  |
| Designed, manufactured and/or distributed under this quality management system |
| Compliant as per SVHC revision on www.commscope.com/ProductCompliance          |
| Compliant  |
| Compliant  |
|  |

Page 3 of 4





Included Products

CS-8W-TB - TeraSPEED® Singlemode Fiber

\* Footnotes

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

Page 4 of 4

