

Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser Distribution, 24 fiber single-unit, Singlemode G.652.D and G.657.A1, Feet jacket marking, Yellow jacket color, Dca flame rating

Product Classification

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Regional Availability | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| Portfolio             | CommScope®                                                          |
| Product Type          | Fiber indoor cable                                                  |
| Product Series        | N-DS                                                                |

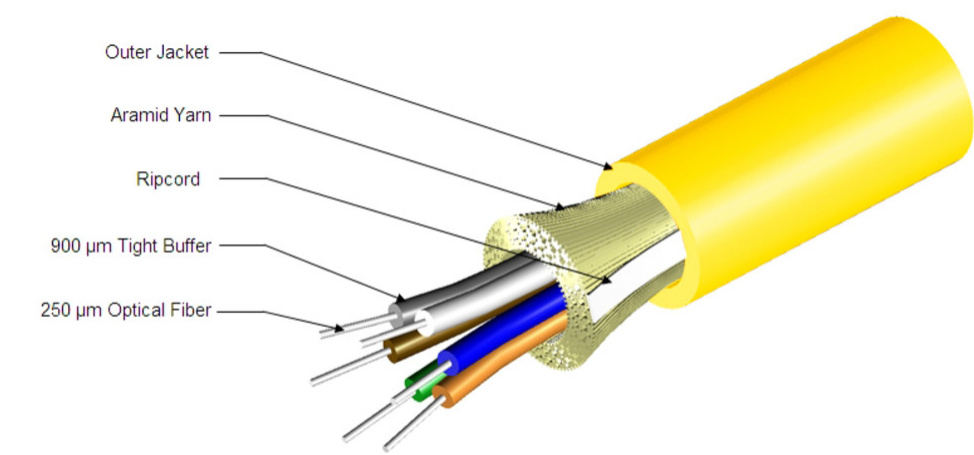
General Specifications

|                   |              |
|-------------------|--------------|
| Cable Type        | Distribution |
| Construction Type | Non-armored  |
| Subunit Type      | Gel-free     |
| Jacket Color      | Yellow       |
| Jacket Marking    | Feet         |
| Total Fiber Count | 24           |

Dimensions

|                      |                   |
|----------------------|-------------------|
| Diameter Over Jacket | 8.6 mm   0.339 in |
|----------------------|-------------------|

Representative Image



Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 130 mm   5.118 in                     |
| Minimum Bend Radius, unloaded     | 86 mm   3.386 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

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

Optical Specifications, Wavelength Specific

|                      |                     |
|----------------------|---------------------|
| Standards Compliance | IEC 60793-2-50 B1.3 |
|----------------------|---------------------|

## Environmental Specifications

|                                              |                                                             |
|----------------------------------------------|-------------------------------------------------------------|
| Installation temperature                     | -10 °C to +60 °C (+14 °F to +140 °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                       |
| 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   | a1                                                          |
| 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 |

## 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                 | -10 °C to +60 °C (+14 °F to +140 °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 | 66 kg/km   44.35 lb/kft |
|--------------|-------------------------|

## Regulatory Compliance/Certifications

| Agency        | Classification                                                                                                                  |
|---------------|---------------------------------------------------------------------------------------------------------------------------------|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available                                                                  |
| CHINA-ROHS    | Below maximum concentration value                                                                                               |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system                                                  |
| RCM           | Compliant to electrical safety & telecommunications requirements                                                                |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant                                                                                                                       |
| UK-ROHS       | Compliant                                                                                                                       |



## Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

## \* Footnotes

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