



Fiber indoor cable, TeraSPEED® Riser/LSZH rated, Distribution, interlocking aluminum armored, Singlemode G.652.D and G.657.A1, 6 fiber single-unit, Feet jacket marking, Yellow jacket color

## Product Classification

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

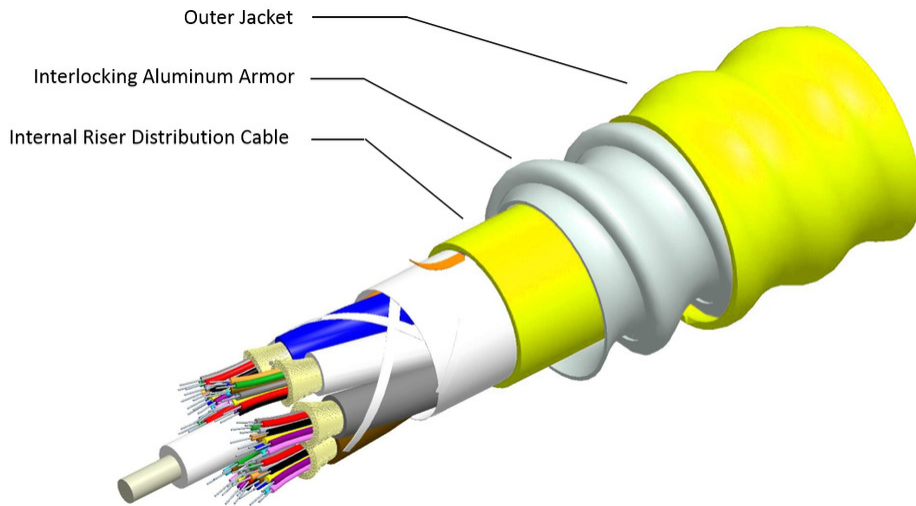
## General Specifications

|                          |                       |
|--------------------------|-----------------------|
| <b>Armor Type</b>        | Interlocking aluminum |
| <b>Cable Type</b>        | Distribution          |
| <b>Construction Type</b> | Armored               |
| <b>Subunit Type</b>      | Gel-free              |
| <b>Jacket Color</b>      | Yellow                |
| <b>Jacket Marking</b>    | Feet                  |
| <b>Total Fiber Count</b> | 6                     |

## Dimensions

|                             |                    |
|-----------------------------|--------------------|
| <b>Diameter Over Armor</b>  | 10.8 mm   0.425 in |
| <b>Diameter Over Jacket</b> | 12.8 mm   0.504 in |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 192 mm   7.559 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 128 mm   5.039 in                     |
| <b>Tensile Load, long term, maximum</b>  | 200 N   44.962 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 667 N   149.948 lbf                   |
| <b>Compression</b>                       | 85 N/mm   485.363 lb/in               |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 25 cycles                             |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 35 N-m   309.776 in lb                |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 146 m   479.003 ft                    |

## Optical Specifications

|                   |                                  |
|-------------------|----------------------------------|
| <b>Fiber Type</b> | G.652.D and G.657.A1, TeraSPEED® |
|-------------------|----------------------------------|

# 760125518 | N-006-DZ-8W-FSUYL

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## Environmental Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Installation temperature</b>      | -10 °C to +60 °C (+14 °F to +140 °F)                        |
| <b>Operating Temperature</b>         | -20 °C to +70 °C (-4 °F to +158 °F)                         |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F)                        |
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| <b>Environmental Space</b>           | Low Smoke Zero Halogen (LSZH)   Riser                       |
| <b>Flame Test Listing</b>            | NEC OFCR-ST1 (ETL) and c(ETL)                               |
| <b>Flame Test Method</b>             | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Heat Age</b>                      | -20 °C to +85 °C (-4 °F to +185 °F)  |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Low High Bend</b>                 | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11            |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F)  |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|                     |                           |
|---------------------|---------------------------|
| <b>Cable weight</b> | 140 kg/km   94.076 lb/kft |
|---------------------|---------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available                 |
| 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