

Fiber Indoor Cable, G657A2, 1.8 mm Low Smoke Zero Halogen Riser, 2-fiber Zipcord, Meter jacket marking, Orange 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-ZC  |

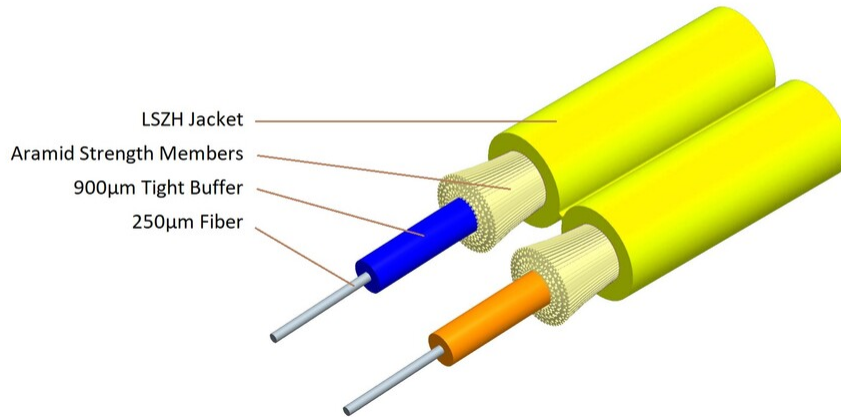
## General Specifications

|                          |             |
|--------------------------|-------------|
| <b>Cable Type</b>        | Cordage     |
| <b>Construction Type</b> | Non-armored |
| <b>Subunit Type</b>      | Gel-free    |
| <b>Jacket Color</b>      | Yellow      |
| <b>Jacket Marking</b>    | Meters      |
| <b>Total Fiber Count</b> | 2           |

## Dimensions

|                           |                   |
|---------------------------|-------------------|
| <b>Height Over Jacket</b> | 1.8 mm   0.071 in |
| <b>Width Over Jacket</b>  | 3.8 mm   0.15 in  |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 60 mm   2.362 in                      |
| <b>Minimum Bend Radius, unloaded</b>     | 30 mm   1.181 in                      |
| <b>Tensile Load, long term, maximum</b>  | 70 N   15.737 lbf                     |
| <b>Tensile Load, short term, maximum</b> | 178 N   40.016 lbf                    |
| <b>Compression</b>                       | 5 N/mm   28.551 lb/in                 |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 300 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 0.74 N-m   6.55 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>                             | 25 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 500 m   1,640.42 ft                   |

## Optical Specifications

|                   |             |
|-------------------|-------------|
| <b>Fiber Type</b> | G.657.A2/B2 |
|-------------------|-------------|

## Environmental Specifications

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Installation temperature</b>      | -20 °C to +60 °C (-4 °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 |

## 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>                 | -20 °C to +70 °C (-4 °F to +158 °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> | 4.8 kg/km   3.225 lb/kft |
|---------------------|--------------------------|

## Included Products

|          |   |  |
|----------|---|--|
| CS-8G-TB | - | Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2) |
|----------|---|--|

## \* Footnotes

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