



Fiber indoor/outdoor cable, loose tube gel-filled CST, 144 fiber, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

## Product Classification

|                              |                              |
|------------------------------|------------------------------|
| <b>Regional Availability</b> | Asia   Australia/New Zealand |
| <b>Portfolio</b>             | CommScope®                   |
| <b>Product Type</b>          | Fiber indoor/outdoor cable   |
| <b>Product Series</b>        | C-LA                         |

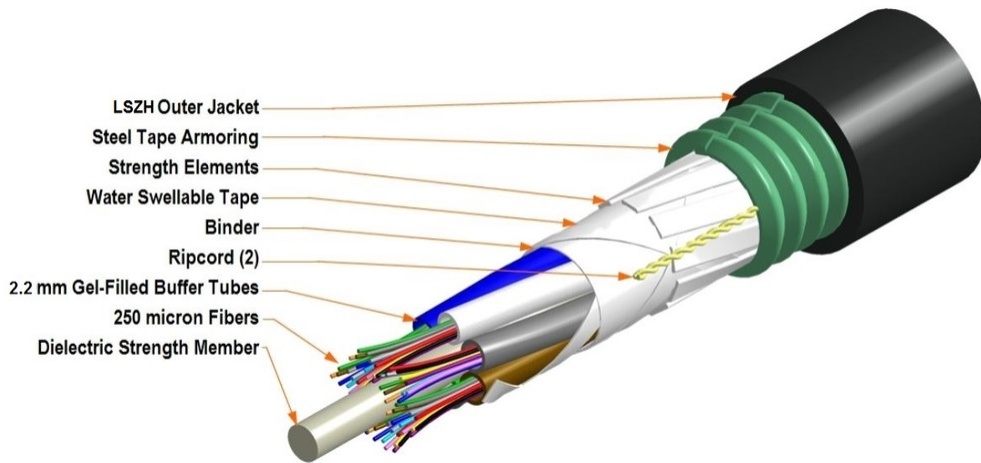
## General Specifications

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Armor Type</b>                   | Corrugated steel    |
| <b>Cable Type</b>                   | Stranded loose tube |
| <b>Construction Type</b>            | Armored             |
| <b>Fibers per Subunit, quantity</b> | 12                  |
| <b>Jacket Color</b>                 | Black               |
| <b>Jacket Marking</b>               | Meters              |
| <b>Subunit Type</b>                 | Gel-filled          |
| <b>Subunit, quantity</b>            | 12                  |
| <b>Total Fiber Count</b>            | 144                 |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2.2 mm   0.087 in  |
| <b>Diameter Over Jacket</b>         | 16.6 mm   0.654 in |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 332 mm   13.071 in                    |
| <b>Minimum Bend Radius, unloaded</b>     | 166 mm   6.535 in                     |
| <b>Tensile Load, short term, maximum</b> | 2000 N   449.618 lbf                  |
| <b>Compression</b>                       | 15 N/mm   85.652 lb/in                |
| <b>Compression Test Method</b>           | IEC 60794-1-2 E3                      |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | IEC 60794-1-21 E1                     |

## Optical Specifications

|                   |                            |
|-------------------|----------------------------|
| <b>Fiber Type</b> | G.652.D and G.657.A1   OS2 |
|-------------------|----------------------------|

## Optical Specifications, Wavelength Specific

|                             |   |
|-----------------------------|---|
| <b>Attenuation, maximum</b> | 0.22 dB/km @ 1,550 nm   0.36 dB/km @ 1,310 nm |
|-----------------------------|---|

## Environmental Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Installation temperature</b>      | -10 °C to +60 °C (+14 °F to +140 °F)                             |
| <b>Operating Temperature</b>         | -40 °C to +70 °C (-40 °F to +158 °F)                             |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F)                             |
| <b>Environmental Space</b>           | Buried   Ducted   Indoor/Outdoor   Low Smoke Zero Halogen (LSZH) |
| <b>Flame Test Method</b>             | IEC 60332-1   IEC 60332-3-24   IEC 60754-2   IEC 61034-2         |
| <b>Water Penetration</b>             | 24 h   |
| <b>Water Penetration Test Method</b> | IEC 60794-1 F5B  |

## Environmental Test Specifications

**Temperature Cycle** -40 °C to +70 °C (-40 °F to +158 °F)

**Temperature Cycle Test Method** IEC 60794-1-2 F1

## Packaging and Weights

**Cable weight** 301 kg/km | 202.263 lb/kft

## Included Products

CS-8Z-LT - Low Water Peak, Dispersion-Unshifted Singlemode Fiber

## \* Footnotes

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