

Fiber indoor/outdoor cable, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), 96 fiber, Singlemode G.652.D and G.657.A1, Gel-Free, Stranded Loose Tube, Black jacket color, Meter jacket marking, B2ca flame rating

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

## Product Classification

|                       |                                                                              |
|-----------------------|------------------------------------------------------------------------------|
| Regional Availability | Asia   Australia/New Zealand   EMEA   Europe   Latin America   North America |
| Portfolio             | CommScope®                                                                   |
| Product Type          | Fiber indoor/outdoor cable                                                   |
| Product Series        | Z-LA                                                                         |

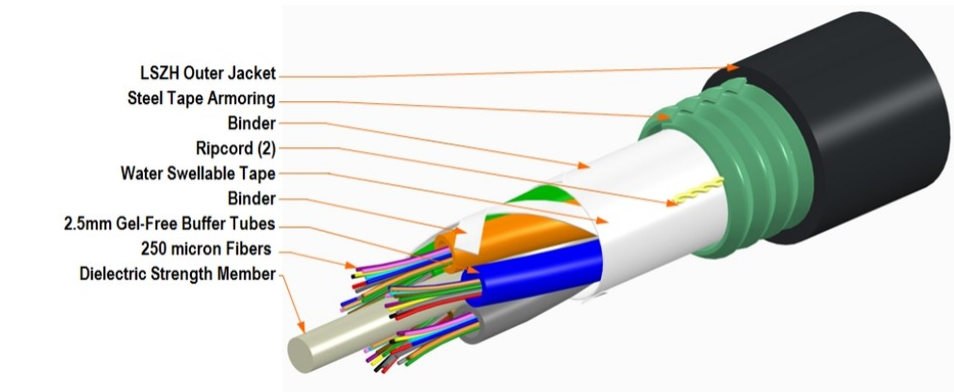
## General Specifications

|                              |                     |
|------------------------------|---------------------|
| Armor Type                   | Corrugated steel    |
| Cable Type                   | Stranded loose tube |
| Construction Type            | Armored             |
| Subunit Type                 | Gel-free            |
| Jacket Color                 | Black               |
| Jacket Marking               | Feet                |
| Subunit, quantity            | 8                   |
| Fibers per Subunit, quantity | 12                  |
| Total Fiber Count            | 96                  |

## Dimensions

|                              |                   |
|------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 2.5 mm   0.098 in |
| Diameter Over Jacket         | 15 mm   0.591 in  |

## Representative Image



Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 201 mm   7.913 in                     |
| Minimum Bend Radius, unloaded     | 134 mm   5.276 in                     |
| Tensile Load, long term, maximum  | 800 N   179.847 lbf                   |
| Tensile Load, short term, maximum | 2700 N   606.984 lbf                  |
| Compression                       | 44 N/mm   251.246 lb/in               |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 3 N-m   26.552 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            | 428 m   1,404.2 ft                    |

Optical Specifications

|            |                      |
|------------|----------------------|
| Fiber Type | G.652.D and G.657.A1 |
|------------|----------------------|

Environmental Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Installation temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Operating Temperature    | -40 °C to +70 °C (-40 °F to +158 °F) |

# 810010539/DB | C-096-LA-8W-M12BK/25D/B

|                                              |                                                                          |
|----------------------------------------------|--------------------------------------------------------------------------|
| 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   Telcordia GR-409     |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca                                                                     |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1b                                                                      |
| EN50575 CPR Cable EuroClass Droplets Rating  | d0                                                                       |
| EN50575 CPR Cable EuroClass Acidity Rating   | a1                                                                       |
| Environmental Space                          | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)                  |
| Flame Test Listing                           | EN 50399   NEC OFC-ST1 (ETL) and c(ETL)                                  |
| Flame Test Method                            | EN 50399   IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 1202   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                  | -2 °C   28.4 °F                      |
| Cable Freeze Test Method      | FOTP-98   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                 | -30 °C to +60 °C (-22 °F to +140 °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 | 237 kg/km   159.257 lb/kft |
|--------------|----------------------------|

## Included Products

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| CS-8W-200-EMEA<br>8W-200um | – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber |
|----------------------------|----------------------------------------------------------------------------|

## \* Footnotes

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