

# 760249243 | C-096-LN-8F-MSPBK/14D/AY/D



Fiber indoor/outdoor cable, LSZH, 96 fiber Microsheath, Tube Colours as per DIN/VDE 0888, Singlemode G.657.A1, Gel-free, Meters jacket marking, Black jacket color, Dca flame rating

## Product Classification

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

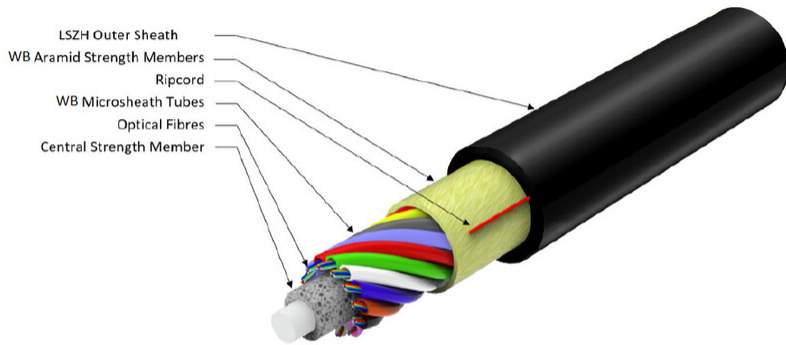
## General Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Cable Type</b>                   | Stranded microsheath tube   |
| <b>Construction Type</b>            | Non-armored   |
| <b>Subunit Type</b>                 | Gel-free  |
| <b>Jacket Color</b>                 | Black   |
| <b>Jacket Marking</b>               | Meters  |
| <b>Jacket Marking Method</b>        | Inkjet  |
| <b>Jacket Marking Text</b>          | COMMSCOPE GB F.O. CABLE 760249243 96x9/125 ITU-T G.657A1 EN50575 CLASS D ULSZH (serial number) (metre mark) |
| <b>Subunit, quantity</b>            | 8   |
| <b>Fibers per Subunit, quantity</b> | 12  |
| <b>Total Fiber Count</b>            | 96  |

## Dimensions

|                             |                      |
|-----------------------------|----------------------|
| <b>Cable Length</b>         | 2000 m   6,561.68 ft |
| <b>Diameter Over Jacket</b> | 6.8 mm   0.268 in    |

## Representative Image



## Mechanical Specifications

|  |                        |
|--|------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 100 mm   3.937 in      |
| <b>Minimum Bend Radius, unloaded</b>     | 70 mm   2.756 in       |
| <b>Tensile Load, long term, maximum</b>  | 200 N   44.962 lbf     |
| <b>Tensile Load, short term, maximum</b> | 900 N   202.328 lbf    |
| <b>Cable Crush Resistance, maximum</b>   | 10 N/mm   57.101 lb/in |
| <b>Compression Test Method</b>           | IEC 60794-1-21 E3      |
| <b>Impact</b>                            | 2 N-m   17.701 in lb   |
| <b>Impact Test Method</b>                | IEC 60794-1-21 E4      |
| <b>Strain Test Method</b>                | IEC 60794-1-21 E1      |

## Optical Specifications

|                   |          |
|-------------------|----------|
| <b>Fiber Type</b> | G.657.A1 |
|-------------------|----------|

## Optical Specifications, Wavelength Specific

|                             |   |
|-----------------------------|---|
| <b>Attenuation, maximum</b> | 0.25 dB/km @ 1,550 nm   0.27 dB/km @ 1,490 nm   0.27 dB/km @ 1,625 nm   0.36 dB/km @ 1,310 nm |
| <b>Standards Compliance</b> | TIA-492CAAB (OS2)   |

## Environmental Specifications

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Operating Temperature</b> | -40 °C to +70 °C (-40 °F to +158 °F) |
|------------------------------|--------------------------------------|

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|   |  |
|---|--|
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | Dca                                      |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a                                      |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d0                                       |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1                                       |
| <b>Environmental Space</b>                          | Universal Low Smoke Zero Halogen (ULSZH) |
| <b>Water Penetration</b>                            | 336 h                                    |
| <b>Water Penetration Test Method</b>                | IEC 60794-1 F5                           |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | IEC 60794-1-22 F1                    |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 47 kg/km   31.583 lb/kft |
|---------------------|--------------------------|

## Included Products

|          |  |
|----------|--|
| CS-8F-LT | - Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber |
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## \* Footnotes

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