

Fiber indoor/outdoor cable, LazrSPEED® LSZH Riser Distribution, interlocking aluminum armored, 2 fiber single-unit, Multimode OM3, Feet jacket marking, Black jacket color, B2ca flame rating

## 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/outdoor cable  |
| <b>Product Series</b>        | Z-DZ  |

## General Specifications

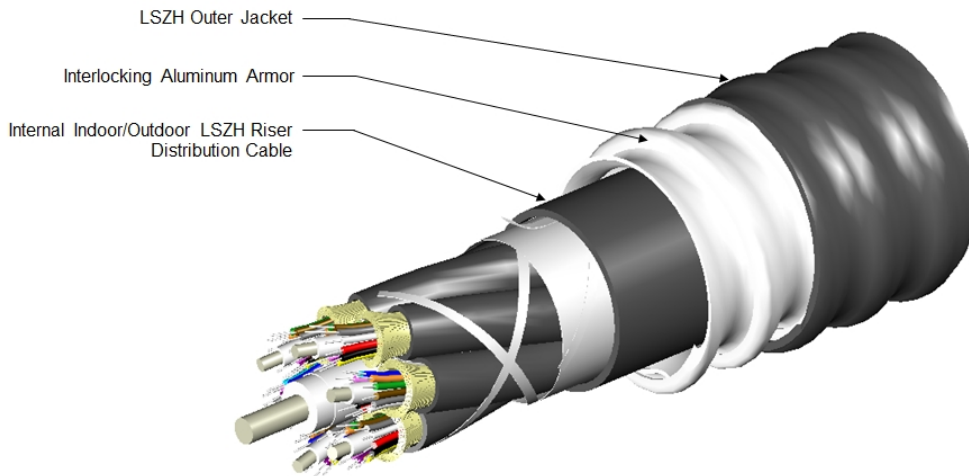
|                          |                       |
|--------------------------|-----------------------|
| <b>Armor Type</b>        | Interlocking aluminum |
| <b>Cable Type</b>        | Distribution          |
| <b>Construction Type</b> | Armored               |
| <b>Jacket Color</b>      | Black                 |
| <b>Jacket Marking</b>    | Feet                  |
| <b>Total Fiber Count</b> | 2                     |

## 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

# 760161299 | Z-002-DZ-5L-FSUBK/B2



## 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>  | 400 N   89.924 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 1335 N   300.12 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>            | 289 m   948.163 ft                    |

## Optical Specifications

|                   |   |
|-------------------|---|
| <b>Fiber Type</b> | OM3, LazrSPEED® 300   OM3, LazrSPEED® 300 |
|-------------------|---|

## Environmental Specifications

|                                 |                                      |
|---------------------------------|--------------------------------------|
| <b>Installation temperature</b> | -30 °C to +60 °C (-22 °F to +140 °F) |
|---------------------------------|--------------------------------------|

# 760161299 | Z-002-DZ-5L-FSUBK/B2

|   |   |
|---|---|
| <b>Operating Temperature</b>                        | -40 °C to +70 °C (-40 °F to +158 °F)  |
| <b>Storage Temperature</b>                          | -40 °C to +75 °C (-40 °F to +167 °F)  |
| <b>Cable Qualification Standards</b>                | ANSI/ICEA S-104-696   EN 187105   Telcordia GR-20 (water penetration for internal cable)   Telcordia GR-409 |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | B2ca  |
| <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>                          | 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   |
| <b>Jacket UV Resistance</b>                         | UV stabilized   |
| <b>Water Penetration</b>                            | 24 h  |
| <b>Water Penetration Test Method</b>                | FOTP-82   IEC 60794-1 F5  |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Cable Freeze Test Method</b>      | IEC 60794-1 F15                      |
| <b>Heat Age</b>                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Low High Bend</b>                 | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11            |
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 127 kg/km   85.34 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-5L-TB - LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

## \* Footnotes

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