



Fiber indoor/outdoor cable, LazrSPEED®, Mini Single Jacket/Single Armor, Riser/LSZH rated, Gel-Filled, Stranded Loose Tube, 36 fiber, Multimode OM3, Feet jacket marking, Black jacket color, Dca flame rating

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

## Product Classification

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

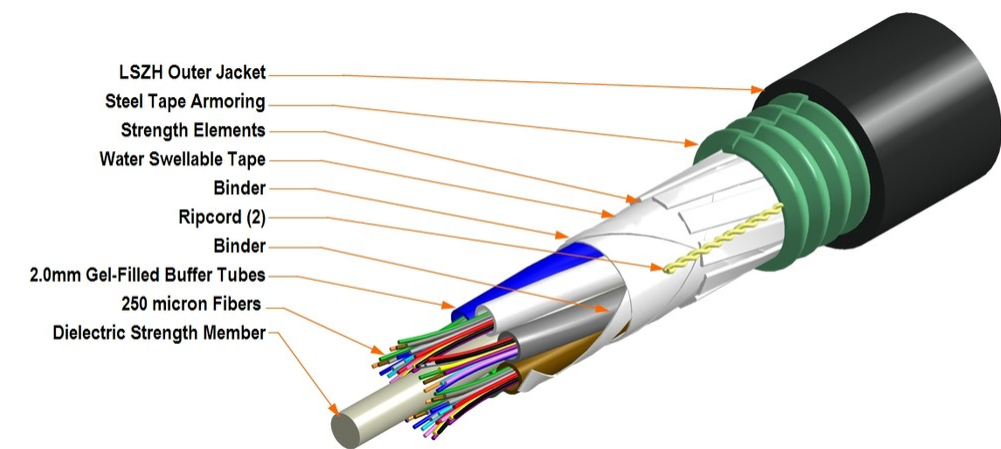
## General Specifications

|                              |                     |
|------------------------------|---------------------|
| Armor Type                   | Corrugated steel    |
| Cable Type                   | Stranded loose tube |
| Construction Type            | Armored             |
| Subunit Type                 | Gel-filled          |
| Filler, quantity             | 3                   |
| Jacket Color                 | Black               |
| Jacket Marking               | Feet                |
| Subunit, quantity            | 3                   |
| Fibers per Subunit, quantity | 12                  |
| Total Fiber Count            | 36                  |

## Dimensions

|                              |                    |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in    |
| Diameter Over Jacket         | 12.3 mm   0.484 in |

## Representative Image



Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 185 mm   7.283 in                     |
| Minimum Bend Radius, unloaded     | 123 mm   4.843 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            | 447 m   1,466.535 ft                  |

Optical Specifications

|            |   |
|------------|---|
| Fiber Type | OM3, LazrSPEED® 300   OM3, LazrSPEED® 300 |
|------------|---|

Environmental Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Installation temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
|--------------------------|--------------------------------------|

# 760147033 | Z-036-LA-5L-F12BK/20G/D

|   |  |
|---|--|
| <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   Telcordia GR-409 |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | Dca  |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s2   |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d1   |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1   |
| <b>Environmental Space</b>                          | Aerial, lashed   Buried   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</b>                  | -2 °C   28.4 °F                      |
| <b>Cable Freeze Test Method</b>      | FOTP-98   IEC 60794-1 F15            |
| <b>Drip</b>                          | 70 °C   158 °F                       |
| <b>Drip Test Method</b>              | FOTP-81   IEC 60794-1 E14            |
| <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>                 | -30 °C to +60 °C (-22 °F to +140 °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> | 183 kg/km   122.97 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-LT – LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

## \* Footnotes

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