

Fiber Indoor/Outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Riser Rated, 24 fiber, Gel-Free, Stranded Loose Tube, Multimode OM3, Feet jacket marking, Black jacket color

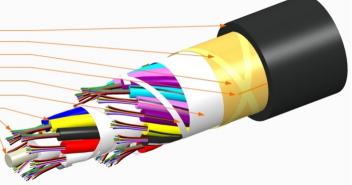
#### Product Classification

| Regional Availability        | Asia   Australia/New Zealand   Latin America   Middle East<br>/Africa   North America |  |
|------------------------------|---|--|
| Portfolio                    | CommScope®  |  |
| Product Type                 | Fiber indoor/outdoor cable  |  |
| Product Series               | R-LN  |  |
| General Specifications       |   |  |
| Cable Type                   | Stranded loose tube   |  |
| Construction Type            | Non-armored   |  |
| Subunit Type                 | Gel-free  |  |
| Filler, quantity             | 3   |  |
| Jacket Color                 | Black   |  |
| Jacket Marking               | Feet  |  |
| Subunit, quantity            | 2   |  |
| Fibers per Subunit, quantity | 12  |  |
| Total Fiber Count            | 24  |  |
| Dimensions                   |   |  |
| Buffer Tube/Subunit Diameter | 2.5 mm   0.098 in   |  |
| Diameter Over Jacket         | 11.5 mm   0.453 in  |  |
|                              |   |  |

### Representative Image



PVC Outer Jacket \_\_ Binder --Flame Retardant Tape --Ripcord (1) --Water Swellable Tape --Binder --2.5mm Gel-Free Buffer Tubes --250 micron Fibers --Dielectric Strength Member --



### Mechanical Specifications

| Minimum Bend Radius, loaded       | 173 mm   6.811 in                         |
|-----------------------------------|---|
| Minimum Bend Radius, unloaded     | 115 mm   4.528 in                         |
| Tensile Load, long term, maximum  | 800 N   179.847 lbf                       |
| Tensile Load, short term, maximum | 2700 N   606.984 lbf                      |
| Compression                       | 22 N/mm   125.623 lb/in                   |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3                  |
| Flex                              | 25 cycles                                 |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6                 |
| Impact                            | 2.94 N-m   26.021 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            | 692 m   2,270.341 ft                      |
| Optical Specifications            |   |
| Fiber Type                        | OM3, LazrSPEED® 300   OM3, LazrSPEED® 300 |
|                                   |   |
|                                   |   |

## **Environmental Specifications**

| Installation temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
|--------------------------|--------------------------------------|
| Operating Temperature    | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature      | -40 °C to +75 °C (-40 °F to +167 °F) |

Page 2 of 4



| Cable Qualification Standards | ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409 |
|-------------------------------|--|
| Environmental Space           | Riser  |
| Flame Test Listing            | NEC OFNR (ETL) and c(ETL)                          |
| Flame Test Method             | UL 1666  |
| 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** 

118 kg/km | 79.292 lb/kft

#### Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC    | Compliant as per SVHC revision on www.commscope.com/ProductCompliance          |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |
|               |  |



#### Included Products

CS-5L-LT

LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

Page 3 of 4



### \* Footnotes

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

Page 4 of 4

