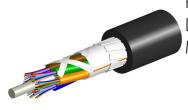
## 760091827 | Z-006-LN-5L-F06BK/20G/E



Fiber indoor/outdoor cable, LazrSPEED®, Mini Single Jacket, All-Dielectric, Riser/LSZH rated, 6 fiber, Gel-Filled, Stranded Loose Tube, Multimode OM3, Feet jacket marking, Black jacket color, Eca flame rating

#### Product Classification

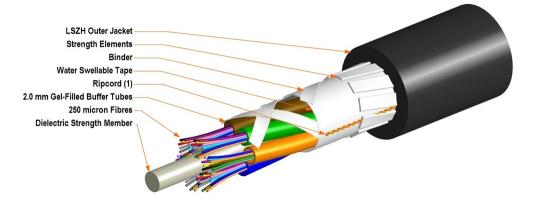
| Regional Availability        | Asia   Australia/New Zealand   EMEA   Latin America   North<br>America |
|------------------------------|--|
| Portfolio                    | CommScope®   |
| Product Type                 | Fiber indoor/outdoor cable   |
| Product Series               | Z-LN   |
| General Specifications       |  |
| Cable Type                   | Stranded loose tube  |
| Construction Type            | Non-armored  |
| Subunit Type                 | Gel-filled   |
| Filler, quantity             | 5  |
| Jacket Color                 | Black  |
| Jacket Marking               | Feet   |
| Subunit, quantity            | 1  |
| Fibers per Subunit, quantity | 6  |
| Total Fiber Count            | 6  |
| Dimensions                   |  |
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in  |
| Diameter Over Jacket         | 11 mm   0.433 in   |
|                              |  |

#### Representative Image

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### 760091827 | Z-006-LN-5L-F06BK/20G/E



#### Mechanical Specifications

| Minimum Bend Radius, loaded       | 165 mm   6.496 in                         |
|-----------------------------------|---|
| Minimum Bend Radius, unloaded     | 110 mm   4.331 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            | 643 m   2,109.58 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) |
|--------------------------|--------------------------------------|
| Operating Temperature    | -40 °C to +70 °C (-40 °F to +158 °F) |

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| Storage Temperature                          | -40 °C to +75 °C (-40 °F to +167 °F)                                       |
|--|--|
| Cable Qualification Standards                | ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409                         |
| EN50575 CPR Cable EuroClass Fire Performance | Eca  |
| Environmental Space                          | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)   Riser            |
| Flame Test Listing                           | NEC OFNR-ST1 (ETL) and c(ETL)  |
| Flame Test Method                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 1202   UL<br>1666   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            |
| Drip                          | 70 °C   158 °F                       |
| Drip Test Method              | FOTP-81   IEC 60794-1 E14            |
| 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

127 kg/km | 85.34 lb/kft

#### Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available                 |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| CENELEC       |  |

#### Included Products

CS-5L-LT

 LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

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#### \* Footnotes

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

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