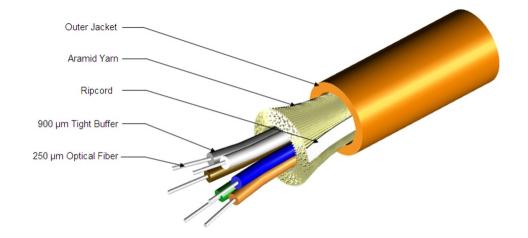
# N-002-DS-5K-FSU

Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser Distribution, 2 fiber single-unit, Multimode OM4, Gel-free, Meters jacket marking, Dca Flame rating

#### Product Classification

| Regional Availability  | Asia   Australia/New Zealand   EMEA   Latin America   North<br>America |
|------------------------|--|
| Portfolio              | CommScope®   |
| Product Type           | Fiber indoor cable   |
| Product Series         | N-DS   |
| General Specifications |  |
| Cable Type             | Distribution   |
| Construction Type      | Non-armored  |
| Subunit Type           | Gel-free   |
| Jacket Marking         | Feet   |
| Total Fiber Count      | 2  |
| Dimensions             |  |
| Diameter Over Jacket   | 3.71 mm   0.146 in   |
|                        |  |

#### Representative Image



#### Mechanical Specifications

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### N-002-DS-5K-FSU

| Minimum Bend Radius, loaded       | 56 mm   2.205 in                          |
|-----------------------------------|---|
| Minimum Bend Radius, unloaded     | 37 mm   1.457 in                          |
| Tensile Load, long term, maximum  | 200 N   44.962 lbf                        |
| Tensile Load, short term, maximum | 667 N   149.948 lbf                       |
| Compression                       | 10 N/mm   57.101 lb/in                    |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3                  |
| Flex                              | 100 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            | 500 m   1,640.42 ft                       |
| Optical Specifications            |   |
| Fiber Type                        | OM4, LazrSPEED® 550   OM4, LazrSPEED® 550 |

#### **Environmental Specifications**

| Installation temperature                     | -10 °C to +60 °C (+14 °F to +140 °F)                        |
|--|---|
| Operating Temperature                        | -20 °C to +70 °C (-4 °F to +158 °F)                         |
| Storage Temperature                          | -40 °C to +70 °C (-40 °F to +158 °F)                        |
| Cable Qualification Standards                | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| EN50575 CPR Cable EuroClass Fire Performance | Dca   |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1a   |
| EN50575 CPR Cable EuroClass Droplets Rating  | d0  |
| EN50575 CPR Cable EuroClass Acidity Rating   | a2  |
| Environmental Space                          | 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   UL 1666   UL 1685 |

#### Environmental Test Specifications

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## N-002-DS-5K-FSU

| Heat Age                      | -20 °C to +85 °C (-4 °F to +185 °F)  |
|-------------------------------|--------------------------------------|
| Heat Age Test Method          | IEC 60794-1 F9                       |
| Low High Bend                 | -10 °C to +60 °C (+14 °F to +140 °F) |
| Low High Bend Test Method     | FOTP-37   IEC 60794-1 E11            |
| Temperature Cycle             | -20 °C to +70 °C (-4 °F to +158 °F)  |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1 F1              |

#### Packaging and Weights

| Cable | weight |
|-------|--------|
|-------|--------|

12 kg/km | 8.064 lb/kft

#### Regulatory Compliance/Certifications

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

#### Included Products

CS-5K-TB

 LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

### \* Footnotes

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

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