



Fiber indoor cable, LazrSPEED® Riser/LSZH rated Distribution, interlocking aluminum armored, Multimode OM5, 12 fiber single-unit, Feet jacket marking, Lime-green jacket color

## Product Classification

|                       |   |
|-----------------------|---|
| Regional Availability | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| Portfolio             | CommScope®  |
| Product Type          | Fiber indoor cable  |
| Product Series        | N-DZ  |

## General Specifications

|                   |                       |
|-------------------|-----------------------|
| Armor Type        | Interlocking aluminum |
| Cable Type        | Distribution          |
| Construction Type | Armored               |
| Subunit Type      | Gel-free              |
| Jacket Color      | Lime green            |
| Jacket Marking    | Feet                  |
| Total Fiber Count | 12                    |

## Dimensions

|                      |                    |
|----------------------|--------------------|
| Diameter Over Armor  | 10.8 mm   0.425 in |
| Diameter Over Jacket | 12.8 mm   0.504 in |

## Representative Image



## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 192 mm   7.559 in                     |
| Minimum Bend Radius, unloaded     | 128 mm   5.039 in                     |
| Tensile Load, long term, maximum  | 200 N   44.962 lbf                    |
| Tensile Load, short term, maximum | 667 N   149.948 lbf                   |
| Compression                       | 85 N/mm   485.363 lb/in               |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 35 N-m   309.776 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            | 137 m   449.475 ft                    |

## Optical Specifications

|            |   |
|------------|---|
| Fiber Type | OM5, LazrSPEED® wideband   OM5, LazrSPEED® wideband |
|------------|---|

## 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)  |

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|                               |   |
|-------------------------------|---|
| Storage Temperature           | -40 °C to +70 °C (-40 °F to +158 °F)                        |
| Cable Qualification Standards | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| Environmental Space           | Low Smoke Zero Halogen (LSZH)   Riser                       |
| Flame Test Listing            | NEC OFCR-ST1 (ETL) and c(ETL)                               |
| Flame Test Method             | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |

## Environmental Test Specifications

|                               |                                      |
|-------------------------------|--------------------------------------|
| 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 | 149 kg/km   100.123 lb/kft |
|--------------|----------------------------|

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## Included Products

|          |   |
|----------|---|
| CS-5G-TB | – LazrSPEED® OM5 WideBand Multimode Fiber |
|----------|---|

## \* Footnotes

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