

Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM5, 12 fiber, Feet jacket marking, Lime-green jacket color, B2ca flame rating

## Product Classification

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

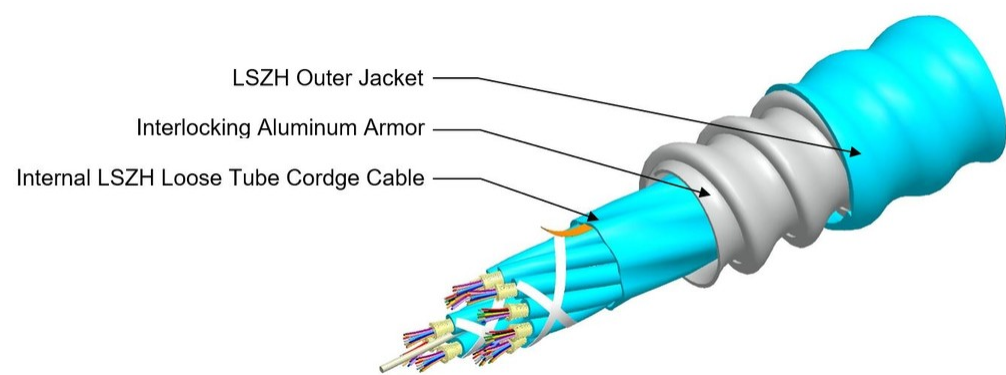
## General Specifications

|                              |                       |
|------------------------------|-----------------------|
| Armor Type                   | Interlocking aluminum |
| Cable Type                   | MPO trunk cable       |
| Construction Type            | Armored               |
| Subunit Type                 | Gel-free              |
| Jacket Color                 | Lime green            |
| Jacket Marking               | Feet                  |
| Subunit, quantity            | 1                     |
| Fibers per Subunit, quantity | 12                    |
| Total Fiber Count            | 12                    |

## Dimensions

|                              |                    |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in    |
| Diameter Over Armor          | 13.3 mm   0.524 in |
| Diameter Over Jacket         | 15.4 mm   0.606 in |

## Representative Image



## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 231 mm   9.094 in                     |
| Minimum Bend Radius, unloaded     | 154 mm   6.063 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                              | 300 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            | 97 m   318.241 ft                     |

## Optical Specifications

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

## Environmental Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Installation temperature | 0 °C to +50 °C (+32 °F to +122 °F)   |
| Operating Temperature    | 0 °C to +60 °C (+32 °F to +140 °F)   |
| Storage Temperature      | -40 °C to +70 °C (-40 °F to +158 °F) |

# 760249679 | N-012-MZ-5G-F12AQ/20T/B2

|                                              |                                                             |
|----------------------------------------------|-------------------------------------------------------------|
| Cable Qualification Standards                | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca                                                        |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1a                                                         |
| EN50575 CPR Cable EuroClass Droplets Rating  | d1                                                          |
| EN50575 CPR Cable EuroClass Acidity Rating   | a1                                                          |
| 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                      | 0 °C to +85 °C (+32 °F to +185 °F) |
| Heat Age Test Method          | IEC 60794-1 F9                     |
| Low High Bend                 | 0 °C to +50 °C (+32 °F to +122 °F) |
| Low High Bend Test Method     | FOTP-37   IEC 60794-1 E11          |
| Temperature Cycle             | 0 °C to +60 °C (+32 °F to +140 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1 F1            |

## Packaging and Weights

|              |                            |
|--------------|----------------------------|
| Cable weight | 211 kg/km   141.785 lb/kft |
|--------------|----------------------------|

## Included Products

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

## \* Footnotes

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