# 760050393 | N-048-MP-5L-F12AQ/D



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber multi-unit with 12 fiber subunits, Gel-free, Multimode OM3, Feet jacket marking, Aqua jacket color, 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-MP   |
| General Specifications       |  |
| Cable Type                   | MPO trunk cable  |
| Construction Type            | Non-armored  |
| Subunit Type                 | Gel-free   |
| Jacket Color                 | Aqua   |
| Jacket Marking               | Feet   |
| Subunit, quantity            | 4  |
| Fibers per Subunit, quantity | 12   |
| Total Fiber Count            | 48   |
| Dimensions                   |  |
| Buffer Tube/Subunit Diameter | 3 mm   0.118 in  |
| Diameter Over Jacket         | 9.2 mm   0.362 in  |

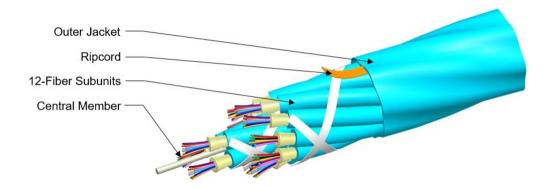
### Representative Image

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## Mechanical Specifications

| Minimum Bend Radius, loaded       | 138 mm   5.433 in                         |
|-----------------------------------|---|
| Minimum Bend Radius, unloaded     | 92 mm   3.622 in                          |
| Tensile Load, long term, maximum  | 400 N   89.924 lbf                        |
| Tensile Load, short term, maximum | 1335 N   300.12 lbf                       |
| Compression                       | 10 N/mm   57.101 lb/in                    |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3                  |
| Flex                              | 300 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                        | OM3, LazrSPEED® 300   OM3, LazrSPEED® 300 |

# **Environmental Specifications**

| Installation temperature | -20 °C to +60 °C (-4 °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) |

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| Cable Qualification Standards                | ANSI/ICEA S-83-596   Telcordia GR-409                       |
|--|---|
| EN50575 CPR Cable EuroClass Fire Performance | Dca   |
| EN50575 CPR Cable EuroClass Smoke Rating     | s2  |
| EN50575 CPR Cable EuroClass Droplets Rating  | d1  |
| EN50575 CPR Cable EuroClass Acidity Rating   | al  |
| 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 |

48.382 lb/kft

#### **Environmental Test Specifications**

| -20 °C to +85 °C (-4 °F to +185 °F) |
|-------------------------------------|
| IEC 60794-1 F9                      |
| -20 °C to +70 °C (-4 °F to +158 °F) |
| FOTP-37   IEC 60794-1 E11           |
| -20 °C to +70 °C (-4 °F to +158 °F) |
| FOTP-3   IEC 60794-1 F1             |
|                                     |

#### Packaging and Weights

| Cable weight | 72 kg/km |
|--------------|----------|
| •            | •        |

# Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available                 |
| 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-MP

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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