



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 48 fiber with 16-fiber, 3.0mm subunits, Gel-free, Multimode OM4, Feet jacket marking, Aqua jacket color, B2ca flame rating

## Product Classification

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

## General Specifications

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Cable Type</b>                   | MPO trunk cable |
| <b>Construction Type</b>            | Non-armored     |
| <b>Subunit Type</b>                 | Gel-free        |
| <b>Filler, quantity</b>             | 1               |
| <b>Jacket Color</b>                 | Aqua            |
| <b>Jacket Marking</b>               | Feet            |
| <b>Subunit, quantity</b>            | 3               |
| <b>Fibers per Subunit, quantity</b> | 16              |
| <b>Total Fiber Count</b>            | 48              |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in    |
| <b>Diameter Over Jacket</b>         | 10.6 mm   0.417 in |

## Mechanical Specifications

|   |                    |
|---|--------------------|
| <b>Minimum Bend Radius, loaded</b>      | 159 mm   6.26 in   |
| <b>Minimum Bend Radius, unloaded</b>    | 106 mm   4.173 in  |
| <b>Tensile Load, long term, maximum</b> | 400 N   89.924 lbf |

# 760251057 | N-048-MP-5K-F16AQ/30T/B2

|  |                                       |
|--|---------------------------------------|
| <b>Tensile Load, short term, maximum</b> | 1335 N   300.12 lbf                   |
| <b>Compression</b>                       | 10 N/mm   57.101 lb/in                |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 25 cycles                             |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 2.94 N-m   26.021 in lb               |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 404 m   1,325.459 ft                  |

## Optical Specifications

|                   |                     |
|-------------------|---------------------|
| <b>Fiber Type</b> | OM4, LazrSPEED® 550 |
|-------------------|---------------------|

## Environmental Specifications

|   |                                       |
|---|---------------------------------------|
| <b>Installation temperature</b>                     | 0 °C to +50 °C (+32 °F to +122 °F)    |
| <b>Operating Temperature</b>                        | 0 °C to +60 °C (+32 °F to +140 °F)    |
| <b>Storage Temperature</b>                          | -40 °C to +60 °C (-40 °F to +140 °F)  |
| <b>Cable Qualification Standards</b>                | ANSI/ICEA S-83-596   Telcordia GR-409 |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | B2ca                                  |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a                                   |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d2                                    |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1                                    |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)         |
| <b>Flame Test Method</b>                            | IEC 60754-2   IEC 61034-2             |

## Environmental Test Specifications

|                                  |                                    |
|----------------------------------|------------------------------------|
| <b>Heat Age</b>                  | 0 °C to +85 °C (+32 °F to +185 °F) |
| <b>Heat Age Test Method</b>      | IEC 60794-1 F9                     |
| <b>Low High Bend</b>             | 0 °C to +70 °C (+32 °F to +158 °F) |
| <b>Low High Bend Test Method</b> | FOTP-37   IEC 60794-1 E11          |

# 760251057 | N-048-MP-5K-F16AQ/30T/B2

---

**Temperature Cycle** 0 °C to +70 °C (+32 °F to +158 °F)

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

## Packaging and Weights

**Cable weight** 101 kg/km | 67.869 lb/kft

## Included Products

CS-5K-MP – LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

## \* Footnotes

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