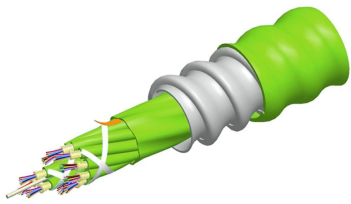


# 760256209 | N-016-MZ-5G-F16LM/30T/B2



Fiber indoor cable, Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, OM5 multi-mode, 16 fiber, Feet jacket marking, Lime green 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-MZ  |

## General Specifications

|                                     |                       |
|-------------------------------------|-----------------------|
| <b>Armor Type</b>                   | Interlocking aluminum |
| <b>Cable Type</b>                   | MPO trunk cable       |
| <b>Construction Type</b>            | Armored               |
| <b>Subunit Type</b>                 | Gel-free              |
| <b>Filler, quantity</b>             | 3                     |
| <b>Jacket Color</b>                 | Lime green            |
| <b>Jacket Marking</b>               | Feet                  |
| <b>Subunit, quantity</b>            | 1                     |
| <b>Fibers per Subunit, quantity</b> | 16                    |
| <b>Total Fiber Count</b>            | 16                    |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in    |
| <b>Diameter Over Armor</b>          | 17.1 mm   0.673 in |
| <b>Diameter Over Jacket</b>         | 19.2 mm   0.756 in |

## Mechanical Specifications

|                                    |                    |
|------------------------------------|--------------------|
| <b>Minimum Bend Radius, loaded</b> | 288 mm   11.339 in |
|------------------------------------|--------------------|

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|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, unloaded</b>     | 192 mm   7.559 in                     |
| <b>Tensile Load, long term, maximum</b>  | 400 N   89.924 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 1335 N   300.12 lbf                   |
| <b>Compression</b>                       | 85 N/mm   485.363 lb/in               |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 300 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 35 N-m   309.776 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>            | 142 m   465.879 ft                    |

## Optical Specifications

|                   |                          |
|-------------------|--------------------------|
| <b>Fiber Type</b> | OM5, LazrSPEED® wideband |
|-------------------|--------------------------|

## 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 +70 °C (-40 °F to +158 °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>     | s2  |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d1  |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1  |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)   Riser                       |
| <b>Flame Test Listing</b>                           | NEC OFCR-ST1 (ETL) and c(ETL)                               |
| <b>Flame Test Method</b>                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |

## Environmental Test Specifications

|                 |                                    |
|-----------------|------------------------------------|
| <b>Heat Age</b> | 0 °C to +85 °C (+32 °F to +185 °F) |
|-----------------|------------------------------------|

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|                                      |                                    |
|--------------------------------------|------------------------------------|
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                     |
| <b>Low High Bend</b>                 | 0 °C to +50 °C (+32 °F to +122 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11          |
| <b>Temperature Cycle</b>             | 0 °C to +60 °C (+32 °F to +140 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1            |

## Packaging and Weights

**Cable weight** 287 kg/km | 192.855 lb/kft

## Included Products

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

## \* Footnotes

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