# 760242135  |  P-072-MZ-5G-F12LM/20T

Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM5, 72 fiber multi-unit with 12 fiber subunits, Lime-green jacket color, Feet cable marking

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia  |  Australia/New Zealand  |  Latin America  |  Middle East /Africa  |  North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber indoor cable |
| **Product Series** | P-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** | 6 |
| **Fibers per Subunit, quantity** | 12 |
| **Total Fiber Count** | 72 |

## Dimensions

| | |
|---|---|
| **Buffer Tube/Subunit Diameter** | 2 mm  |  0.079 in |
| **Diameter Over Armor** | 15.9 mm  |  0.626 in |
| **Diameter Over Jacket** | 17.9 mm  |  0.705 in |

## Representative Image

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Outer Jacket
Interlocking Aluminum Armor
Internal Plenum Loose Tube Cordage Cable

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 269 mm  |  10.591 in |
| **Minimum Bend Radius, unloaded** | 179 mm  |  7.047 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** | 75 m  |  246.063 ft |

## Optical Specifications

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

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | 0 °C to +70 °C (+32 °F to +158 °F) |

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| | |
|---|---|
| **Operating Temperature** | 0 °C to +70 °C (+32 °F to +158 °F) |
| **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** | Plenum |
| **Flame Test Listing** | NEC OFCP (ETL) and c(ETL) |
| **Flame Test Method** | NFPA 130   |   NFPA 262 |

## 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 +70 °C (+32 °F to +158 °F) |
| **Low High Bend Test Method** | FOTP-37   |   IEC 60794-1 E11 |
| **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** | 272 kg/km   |   182.776 lb/kft |

## Regulatory Compliance/Certifications

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

## Included Products

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

## * Footnotes

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

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