



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM4, 48 fiber multi-unit with 12 fiber subunits, gel-free, Feet jacket marking, Aqua jacket color

## 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                 | Aqua                  |
| Jacket Marking               | Feet                  |
| Subunit, quantity            | 4                     |
| Fibers per Subunit, quantity | 12                    |
| Total Fiber Count            | 48                    |

## Dimensions

|                              |                     |
|------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in     |
| Diameter Over Armor          | 14.61 mm   0.575 in |
| Diameter Over Jacket         | 16.6 mm   0.654 in  |

## Representative Image



### Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 250 mm   9.843 in                     |
| Minimum Bend Radius, unloaded     | 166 mm   6.535 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            | 88 m   288.714 ft                     |

### Optical Specifications

|            |   |
|------------|---|
| Fiber Type | OM4, LazrSPEED® 550   OM4, LazrSPEED® 550 |
|------------|---|

### Environmental Specifications

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

|                               |                                       |
|-------------------------------|---------------------------------------|
| 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 | 231 kg/km   155.225 lb/kft |
|--------------|----------------------------|

## Regulatory Compliance/Certifications

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

## Included Products

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

## \* Footnotes

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