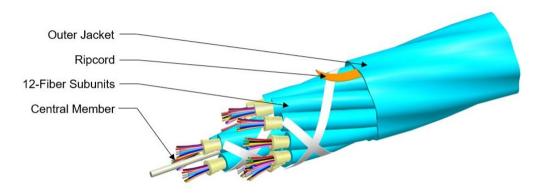
# P-048-MP-5M-F12

Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 48 fiber multi-unit with 12 fiber subunits, Multimode OM2+, Gel-free, Feet jacket marking

#### Product Classification

| Regional Availability        | Asia   Australia/New Zealand   Latin America   Middle East<br>/Africa   North America |  |
|------------------------------|---|--|
| Portfolio                    | CommScope®  |  |
| Product Type                 | Fiber indoor cable  |  |
| Product Series               | P-MP  |  |
| General Specifications       |   |  |
| Cable Type                   | MPO trunk cable   |  |
| Construction Type            | Non-armored   |  |
| Subunit Type                 | Gel-free  |  |
| 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         | 9.1 mm   0.358 in   |  |

#### Representative Image



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# P-048-MP-5M-F12

### Mechanical Specifications

| Minimum Bend Radius, loaded       | 136 mm   5.354 in                           |
|-----------------------------------|---|
| Minimum Bend Radius, unloaded     | 91 mm   3.583 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                            | 0.74 N-m   6.55 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                        | OM2+, LazrSPEED® 150   OM2+, LazrSPEED® 150 |

### **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 OFNP (ETL) and c(ETL)             |
| Flame Test Method             | 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) |

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# P-048-MP-5M-F12

| Low High Bend Test Meth              | od   | FOTP-37   IEC 60794-1 E11          |  |  |
|--------------------------------------|--|------------------------------------|--|--|
| Temperature Cycle                    |  | 0 °C to +70 °C (+32 °F to +158 °F) |  |  |
| Temperature Cycle Test M             | lethod   | FOTP-3   IEC 60794-1 F1            |  |  |
| Packaging and Weights                |  |                                    |  |  |
| Cable weight                         |  | 76 kg/km   51.07 lb/kft            |  |  |
| Regulatory Compliance/Certifications |  |                                    |  |  |
| Agency                               | Classification   |                                    |  |  |
| ISO 9001:2015                        | Designed, manufactured and/or distributed under this quality management system |                                    |  |  |
|                                      |  |                                    |  |  |

#### Included Products

CS-5M-MP

LazrSPEED® 150 OM2+ Bend-Insensitive Multimode Fiber

## \* Footnotes

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

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