

OptiSPEED® Plenum MPO Trunk Cable, interlocking aluminum armored with plenum jacket, 48 fiber multi-unit with 12 fiber subunits

**OBSOLETE**  
This product was discontinued on: March 30, 2017

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   |

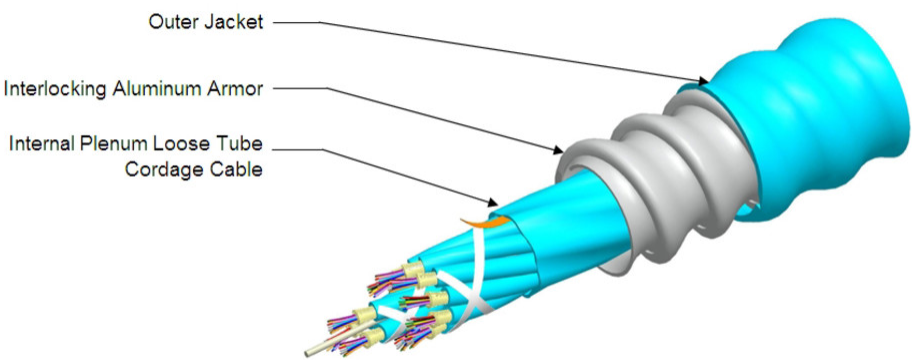
General Specifications

|                              |                       |
|------------------------------|-----------------------|
| Armor Type                   | Interlocking aluminum |
| Cable Type                   | MPO trunk cable       |
| Construction Type            | Armored               |
| Subunit Type                 | Gel-free              |
| Jacket Color                 | Orange                |
| 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 Armor          | 15.88 mm   0.625 in |
| Diameter Over Jacket         | 17.9 mm   0.705 in  |

Representative Image



Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 358 mm   14.094 in                    |
| Minimum Bend Radius, unloaded     | 251 mm   9.882 in                     |
| Tensile Load, long term, maximum  | 800 N   179.847 lbf                   |
| Tensile Load, short term, maximum | 240 N   53.954 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            | 159 m   521.654 ft                    |

Optical Specifications

|            |                                   |
|------------|-----------------------------------|
| Fiber Type | OM1, OptiSPEED®   OM1, OptiSPEED® |
|------------|-----------------------------------|

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 | 257 kg/km   172.696 lb/kft |
|--------------|----------------------------|

### Regulatory Compliance/Certifications

| Agency        | Classification  |
|---------------|---|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system  |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant   |
| UK-ROHS       | Compliant   |

### \* Footnotes

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