

# P-144-MP-8F-F12

Fiber Indoor Cable, Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Singlemode, G. 657.A1, Gel-free, Feet jacket 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-MP   |

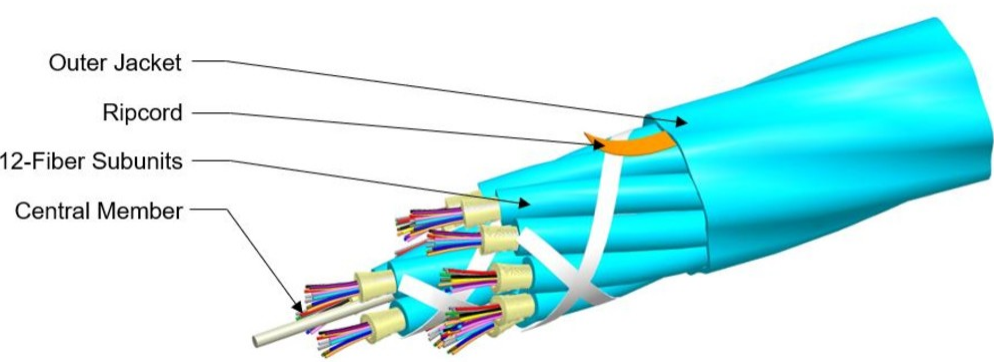
## General Specifications

|                              |                 |
|------------------------------|-----------------|
| Cable Type                   | MPO trunk cable |
| Construction Type            | Non-armored     |
| Subunit Type                 | Gel-free        |
| Jacket Marking               | Feet            |
| Subunit, quantity            | 12              |
| Fibers per Subunit, quantity | 12              |
| Total Fiber Count            | 144             |

## Dimensions

|                              |                     |
|------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 3 mm   0.118 in     |
| Diameter Over Jacket         | 14.12 mm   0.556 in |

## Representative Image



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## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 197 mm   7.756 in                     |
| Minimum Bend Radius, unloaded     | 131 mm   5.157 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            | 250 m   820.21 ft                     |

## 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) |
| Low High Bend Test Method | FOTP-37   IEC 60794-1 E11          |
| Temperature Cycle         | 0 °C to +70 °C (+32 °F to +158 °F) |

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**Temperature Cycle Test Method**

FOTP-3 | IEC 60794-1 F1

## Packaging and Weights

**Cable weight**

163 kg/km | 109.531 lb/kft

## Regulatory Compliance/Certifications

**Agency**

**Classification**

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

## \* Footnotes

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