# 760038349 | P-144-MP-8W-F12YL



Fiber indoor cable, TeraSPEED® Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Singlemode G.652.D and G.657.A1, Gel-free, Feet jacket marking, Yellow jacket color

#### 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 Color                 | Yellow  |
| 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   |
|                              |   |

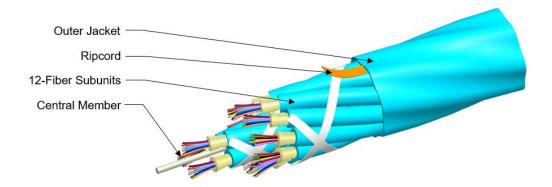
#### Representative Image

Page 1 of 3

©2023 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 15, 2023



# 760038349 | P-144-MP-8W-F12YL



## 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                            |
| Optical Specifications            |  |
| Fiber Type                        | G.652.D and G.657.A1, TeraSPEED®   OS2   OS2 |

### **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) |

Page 2 of 3

©2023 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 15, 2023



# 760038349 | P-144-MP-8W-F12YL

| 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 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

163 kg/km | 109.531 lb/kft

#### Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC    | Compliant as per SVHC revision on www.commscope.com/ProductCompliance          |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |
|               |  |

#### Included Products

**150** 9001:2015

CS-8W-MP - TeraSPEED® OS2 Singlemode Fiber

## \* Footnotes

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

Page 3 of 3

©2023 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 15, 2023

