# 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/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

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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 |

## 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) |

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| | |
|---|---|
| **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

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

## * Footnotes

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

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