

# P-096-MZ-8W-F24

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Fiber indoor cable, TeraSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 96 fiber multi-unit with 24 fiber subunits, Singlemode G.652.D and G.657.A1, 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-MZ                                                                               |

## General Specifications

|                              |                       |
|------------------------------|-----------------------|
| Armor Type                   | Interlocking aluminum |
| Cable Type                   | MPO trunk cable       |
| Construction Type            | Armored               |
| Subunit Type                 | Gel-free              |
| Jacket Marking               | Feet                  |
| Subunit, quantity            | 4                     |
| Fibers per Subunit, quantity | 24                    |
| Total Fiber Count            | 96                    |

## Dimensions

|                              |                     |
|------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 3.6 mm   0.142 in   |
| Diameter Over Armor          | 17.15 mm   0.675 in |
| Diameter Over Jacket         | 19.18 mm   0.755 in |

## Representative Image

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## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 384 mm   15.118 in                    |
| Minimum Bend Radius, unloaded     | 268 mm   10.551 in                    |
| Tensile Load, long term, maximum  | 400 N   89.924 lbf                    |
| Tensile Load, short term, maximum | 1335 N   300.12 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            | 140 m   459.318 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) |
|--------------------------|------------------------------------|

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|                               |                                       |
|-------------------------------|---------------------------------------|
| 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 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 | 293 kg/km   196.887 lb/kft |
|--------------|----------------------------|

## Regulatory Compliance/Certifications

| Agency        | Classification                                                                 |
|---------------|--------------------------------------------------------------------------------|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## Included Products

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

## \* Footnotes

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