

# P-144-MP-5K-F24

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Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 144 fiber multi-unit with 24 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking

## Product Classification

|                              |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   Latin America   Middle East /Africa   North America |
| <b>Portfolio</b>             | CommScope®                                                                         |
| <b>Product Type</b>          | Fiber indoor cable                                                                 |
| <b>Product Series</b>        | P-MP                                                                               |

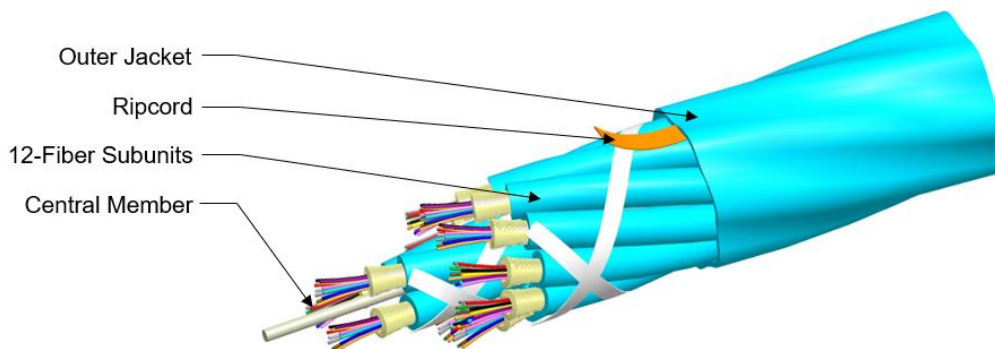
## General Specifications

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Cable Type</b>                   | MPO trunk cable |
| <b>Construction Type</b>            | Non-armored     |
| <b>Subunit Type</b>                 | Gel-free        |
| <b>Jacket Marking</b>               | Feet            |
| <b>Subunit, quantity</b>            | 6               |
| <b>Fibers per Subunit, quantity</b> | 24              |
| <b>Total Fiber Count</b>            | 144             |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3.6 mm   0.142 in  |
| <b>Diameter Over Jacket</b>         | 12.18 mm   0.48 in |

## Representative Image



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## Mechanical Specifications

|                                          |                                       |
|------------------------------------------|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 183 mm   7.205 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 122 mm   4.803 in                     |
| <b>Tensile Load, long term, maximum</b>  | 400 N   89.924 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 1335 N   300.12 lbf                   |
| <b>Compression</b>                       | 10 N/mm   57.101 lb/in                |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 300 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 0.74 N-m   6.55 in lb                 |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 285 m   935.039 ft                    |

## Optical Specifications

|                   |                                           |
|-------------------|-------------------------------------------|
| <b>Fiber Type</b> | OM4, LazrSPEED® 550   OM4, LazrSPEED® 550 |
|-------------------|-------------------------------------------|

## Environmental Specifications

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Installation temperature</b>      | 0 °C to +70 °C (+32 °F to +158 °F)    |
| <b>Operating Temperature</b>         | 0 °C to +70 °C (+32 °F to +158 °F)    |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F)  |
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-83-596   Telcordia GR-409 |
| <b>Environmental Space</b>           | Plenum                                |
| <b>Flame Test Listing</b>            | NEC OFNP (ETL) and c(ETL)             |
| <b>Flame Test Method</b>             | NFPA 262                              |

## Environmental Test Specifications

|                             |                                    |
|-----------------------------|------------------------------------|
| <b>Heat Age</b>             | 0 °C to +85 °C (+32 °F to +185 °F) |
| <b>Heat Age Test Method</b> | IEC 60794-1 F9                     |
| <b>Low High Bend</b>        | 0 °C to +70 °C (+32 °F to +158 °F) |

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|                                      |                                    |
|--------------------------------------|------------------------------------|
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11          |
| <b>Temperature Cycle</b>             | 0 °C to +70 °C (+32 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1            |

## Packaging and Weights

|                     |                           |
|---------------------|---------------------------|
| <b>Cable weight</b> | 143 kg/km   96.092 lb/kft |
|---------------------|---------------------------|

## Regulatory Compliance/Certifications

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



## Included Products

|          |                                                       |
|----------|-------------------------------------------------------|
| CS-5K-MP | - LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber |
|----------|-------------------------------------------------------|

## \* Footnotes

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