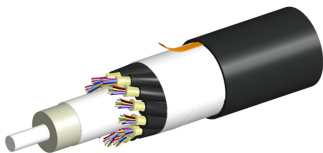


# 760150839 | Z-144-MP-5K-F12BK/D



Fiber Indoor/Outdoor cable, LazrSPEED®, Low Smoke Zero Halogen Riser MPO Trunk Cable, 144 fiber multi-unit with 12 fiber subunits, Gel-free, Multimode OM4, Feet jacket marking, Black jacket color, Dca flame rating

## Product Classification

|                       |   |
|-----------------------|---|
| Regional Availability | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| Portfolio             | CommScope®  |
| Product Type          | Fiber indoor/outdoor cable  |
| Product Series        | Z-MP  |

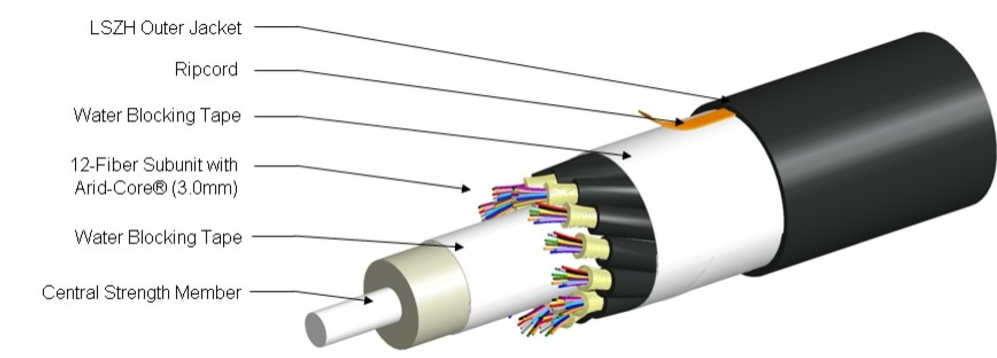
## General Specifications

|                              |                 |
|------------------------------|-----------------|
| Cable Type                   | MPO trunk cable |
| Construction Type            | Non-armored     |
| Subunit Type                 | Gel-free        |
| Jacket Color                 | Black           |
| 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         | 16.8 mm   0.661 in |

## Representative Image



## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 252 mm   9.921 in                     |
| Minimum Bend Radius, unloaded     | 168 mm   6.614 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                            | 2.94 N-m   26.021 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            | 155 m   508.53 ft                     |

## Optical Specifications

|            |   |
|------------|---|
| Fiber Type | OM4, LazrSPEED® 550   OM4, LazrSPEED® 550 |
|------------|---|

## Environmental Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Installation temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Operating Temperature    | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature      | -40 °C to +75 °C (-40 °F to +167 °F) |

# 760150839 | Z-144-MP-5K-F12BK/D

|  |   |
|--|---|
| Cable Qualification Standards                | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| EN50575 CPR Cable EuroClass Fire Performance | Dca   |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1b   |
| EN50575 CPR Cable EuroClass Droplets Rating  | d0  |
| EN50575 CPR Cable EuroClass Acidity Rating   | a1  |
| Environmental Space                          | Low Smoke Zero Halogen (LSZH)   Riser                       |
| Flame Test Listing                           | NEC OFNR-ST1 (ETL) and c(ETL)                               |
| Flame Test Method                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |
| Jacket UV Resistance                         | UV stabilized   |

## Environmental Test Specifications

|                               |                                     |
|-------------------------------|-------------------------------------|
| Cable Freeze Test Method      | IEC 60794-1 F15                     |
| Heat Age                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| Heat Age Test Method          | IEC 60794-1 F9                      |
| Low High Bend                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| Low High Bend Test Method     | FOTP-37   IEC 60794-1 E11           |
| Temperature Cycle             | -20 °C to +70 °C (-4 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1 F1             |

## Packaging and Weights

|              |                          |
|--------------|--------------------------|
| Cable weight | 264 kg/km   177.4 lb/kft |
|--------------|--------------------------|

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available   |
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## Included Products

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

Fiber

## \* Footnotes

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