## N-144-MP-5K-F12

Fiber indoor cable, LazrSPEED® Low SMultimode OM4, moke Zero Halogen Riser MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Gel-free, Multimode OM4, Feet jacket marking

#### Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

Fiber indoor cable

America

Portfolio CommScope®

Product Series N-MP

General Specifications

**Product Type** 

Cable Type MPO trunk cable

Construction Type Non-armored

Subunit Type Gel-free

**Jacket Marking** Feet

Subunit, quantity 12

Fibers per Subunit, quantity 12

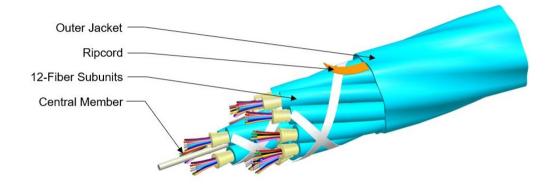
Total Fiber Count 144

**Dimensions** 

**Buffer Tube/Subunit Diameter** 3 mm | 0.118 in

**Diameter Over Jacket** 14.22 mm | 0.56 in

## Representative Image





# N-144-MP-5K-F12

### Mechanical Specifications

Minimum Bend Radius, loaded200 mm | 7.874 inMinimum Bend Radius, unloaded133 mm | 5.236 inTensile Load, long term, maximum400 N | 89.924 lbfTensile Load, short term, maximum1335 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** 5.88 N-m | 52.042 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 280 m | 918.635 ft

**Optical Specifications** 

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

## **Environmental Specifications**

Installation temperature  $-20 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (-4 °F to +140 °F)

Operating Temperature  $-20 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-4 °F to +158 °F)

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-40 °F to +158 °F)

Cable Qualification StandardsANSI/ICEA S-83-596Telcordia GR-409Environmental SpaceLow Smoke Zero Halogen (LSZH)Riser

 $\label{eq:problem} \textit{Flame Test Listing} \qquad \qquad \textit{NEC OFNR-ST1 (ETL) and c(ETL)}$ 

Flame Test Method | IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | UL 1666 | UL 1685

**Environmental Test Specifications** 

**Heat Age** -20 °C to +85 °C (-4 °F to +185 °F)

Heat Age Test Method IEC 60794-1 F9

**Low High Bend**  $-20 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-4 °F to  $+158 \,^{\circ}\text{F}$ )

Page 2 of 3



# N-144-MP-5K-F12

**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** 146 kg/km | 98.107 lb/kft

#### Regulatory Compliance/Certifications

Agency Classification

CENELEC EN 50575 compliant, Declaration of Performance (DoP) available

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

CENELEC

#### Included Products

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

Fiber

#### \* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

