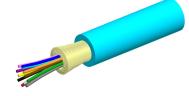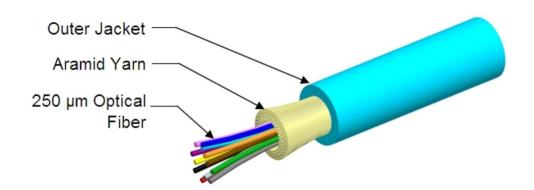# 760229195    |    N-012-MP-5K-F20AQ/E

Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser Light Duty Interconnect, 12 fiber, Multimode OM4, Feet jacket marking, Aqua jacket color, Eca flame rating

## Product Classification

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

## General Specifications

| | |
|---|---|
| **Cable Type** | MPO trunk cable |
| **Construction Type** | Non-armored |
| **Subunit Type** | Gel-free |
| **Jacket Color** | Aqua |
| **Jacket Marking** | Feet |
| **Total Fiber Count** | 12 |

## Dimensions

| | |
|---|---|
| **Diameter Over Armor** | 2 mm   |   0.079 in |

## Representative Image

COMMSCOPE®

# 760229195  |  N-012-MP-5K-F20AQ/E

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 38 mm  \|  1.496 in |
| **Minimum Bend Radius, unloaded** | 16 mm  \|  0.63 in |
| **Tensile Load, long term, maximum** | 33 N  \|  7.419 lbf |
| **Tensile Load, short term, maximum** | 111 N  \|  24.954 lbf |
| **Compression** | 4 N/mm  \|  22.841 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** | 500 m  \|  1,640.42 ft |

## Optical Specifications

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

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | 0 °C to +60 °C (+32 °F to +140 °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) |
| **Cable Qualification Standards** | ANSI/ICEA S-83-596  \|  Telcordia GR-409 |
| **EN50575 CPR Cable EuroClass Fire Performance** | Eca |
| **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 |

## Environmental Test Specifications

| | |
|---|---|
| **Heat Age** | 0 °C to +85 °C (+32 °F to +185 °F) |

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| | |
|---|---|
| **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** | 3.7 kg/km | 2.486 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 www.commscope.com/ProductCompliance |
| 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

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