# 760249672　|　N-024-MZ-5K-F12AQ/20T/B2

Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, interlocking aluminum armored with low smoke zero halogen riser jacket, Multimode OM4, 24 fiber, Gel-free, Feet jacket marking, Aqua jacket color, B2ca 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-MZ |

## General Specifications

| | |
|---|---|
| **Armor Type** | Interlocking aluminum |
| **Cable Type** | MPO trunk cable |
| **Construction Type** | Armored |
| **Subunit Type** | Gel-free |
| **Filler, quantity** | 2 |
| **Jacket Color** | Aqua |
| **Jacket Marking** | Feet |
| **Subunit, quantity** | 2 |
| **Fibers per Subunit, quantity** | 12 |
| **Total Fiber Count** | 24 |

## Dimensions

| | |
|---|---|
| **Buffer Tube/Subunit Diameter** | 2 mm   |   0.079 in |
| **Diameter Over Armor** | 13.3 mm   |   0.524 in |
| **Diameter Over Jacket** | 15.4 mm   |   0.606 in |

## Representative Image

COMMSCOPE®

LSZH Outer Jacket

Interlocking Aluminum Armor

Internal LSZH Loose Tube Cordge Cable
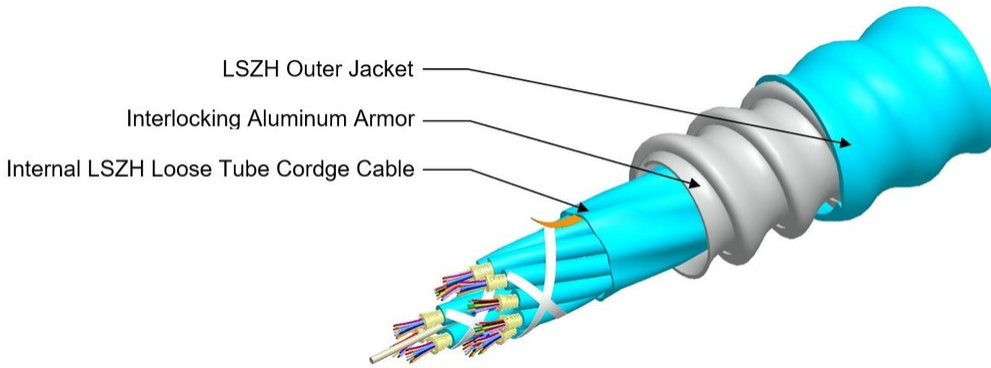
## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 231 mm | 9.094 in |
| **Minimum Bend Radius, unloaded** | 154 mm | 6.063 in |
| **Tensile Load, long term, maximum** | 200 N | 44.962 lbf |
| **Tensile Load, short term, maximum** | 667 N | 149.948 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** | 97 m | 318.241 ft |

## Optical Specifications

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

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | 0 °C to +50 °C (+32 °F to +122 °F) |
| **Operating Temperature** | 0 °C to +60 °C (+32 °F to +140 °F) |
| **Storage Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |

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| | |
|---|---|
| **Cable Qualification Standards** | ANSI/ICEA S-83-596   \|   Telcordia GR-409 |
| **EN50575 CPR Cable EuroClass Fire Performance** | B2ca |
| **EN50575 CPR Cable EuroClass Smoke Rating** | s1a |
| **EN50575 CPR Cable EuroClass Droplets Rating** | d1 |
| **EN50575 CPR Cable EuroClass Acidity Rating** | a1 |
| **Environmental Space** | Low Smoke Zero Halogen (LSZH)   \|   Riser |
| **Flame Test Listing** | NEC OFCR-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) |
| **Heat Age Test Method** | IEC 60794-1 F9 |
| **Low High Bend** | 0 °C to +50 °C (+32 °F to +122 °F) |
| **Low High Bend Test Method** | FOTP-37   \|   IEC 60794-1 E11 |
| **Temperature Cycle** | 0 °C to +60 °C (+32 °F to +140 °F) |
| **Temperature Cycle Test Method** | FOTP-3   \|   IEC 60794-1 F1 |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 211 kg/km   \|   141.785 lb/kft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CHINA-ROHS | Below maximum concentration value |
| 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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