# AJXMXMXAH

OM4 MPO12 (Pinned) to MPO12 (Pinned), Fiber Trunk Cable Assembly, 48-Fiber, Method A, Low Smoke Zero Halogen

## Product Classification

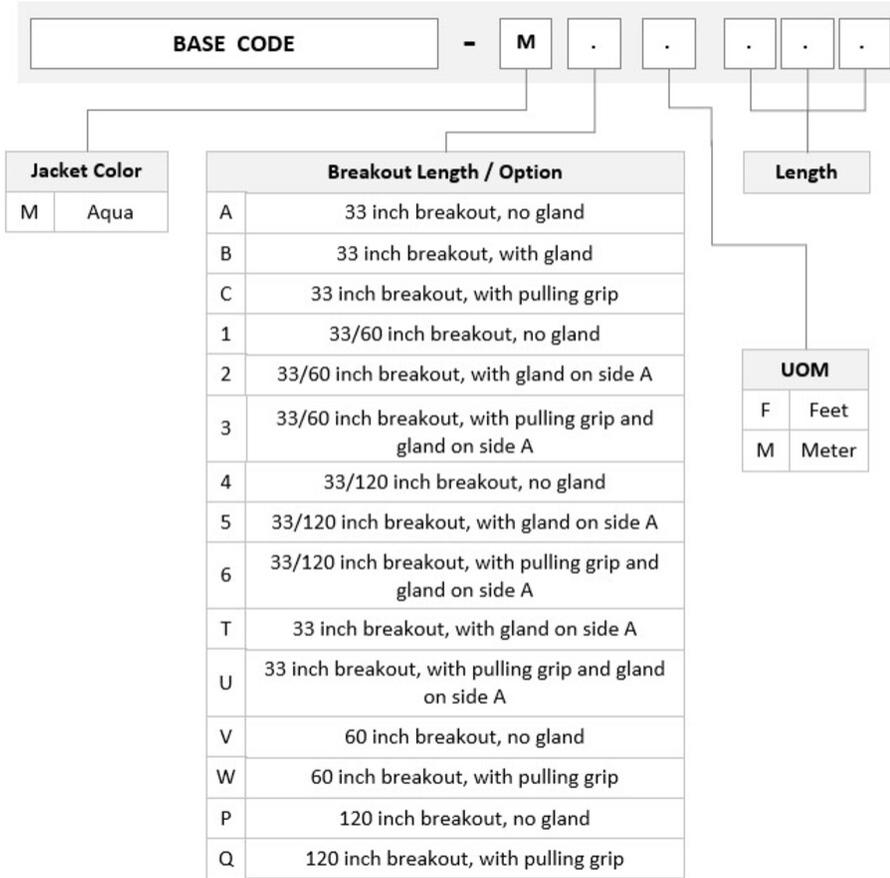| | |
|---|---|
| **Regional Availability** | Asia  |  Australia/New Zealand  |  China  |  Europe  |  India  |  Latin America  |  Middle East/Africa  |  North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber trunk cable assembly |
| **Ordering Note** | For lengths greater than 999 ft (304 m), orders must be in meters  |  Minimum length may vary based on cable configuration |

## General Specifications

| | |
|---|---|
| **Color, boot A** | Black |
| **Color, connector A** | Aqua |
| **Color, boot B** | Black |
| **Color, connector B** | Aqua |
| **Construction Type** | Stranded |
| **Furcation Color** | Aqua |
| **Interface, Connector A** | MPO-12/UPC Male |
| **Interface, Connector B** | MPO-12/UPC Male |
| **Jacket Color** | Aqua |
| **Polarity** | Method A |
| **Fibers per Subunit, quantity** | 12 |
| **Total Fibers, quantity** | 48 |

## Dimensions

| | |
|---|---|
| **Cable Assembly Length Range (m)** | 3 – 999 |
| **Cable Assembly Length Range (ft)** | 10 – 999 |

## Ordering Tree

COMMSCOPE®

# AJXMXMXAH



## Jacket Color

| M | Aqua |
|---|------|

## Breakout Length / Option

| A | 33 inch breakout, no gland |
|---|---|
| B | 33 inch breakout, with gland |
| C | 33 inch breakout, with pulling grip |
| 1 | 33/60 inch breakout, no gland |
| 2 | 33/60 inch breakout, with gland on side A |
| 3 | 33/60 inch breakout, with pulling grip and gland on side A |
| 4 | 33/120 inch breakout, no gland |
| 5 | 33/120 inch breakout, with gland on side A |
| 6 | 33/120 inch breakout, with pulling grip and gland on side A |
| T | 33 inch breakout, with gland on side A |
| U | 33 inch breakout, with pulling grip and gland on side A |
| V | 60 inch breakout, no gland |
| W | 60 inch breakout, with pulling grip |
| P | 120 inch breakout, no gland |
| Q | 120 inch breakout, with pulling grip |

## UOM

| F | Feet |
|---|------|
| M | Meter |

## Mechanical Specifications

**Cable Retention Strength, maximum**    11.24 lb @ 0 °   |   4.40 lb @ 90 °

## Optical Specifications

**Fiber Mode**    Multimode

**Fiber Type**    OM4, LazrSPEED®

## Environmental Specifications

**Operating Temperature**    -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space**    Dual Rated LSZH/Riser   |   Indoor

## Regulatory Compliance/Certifications

COMMSCOPE®

# AJXMXMXAH

| Agency | Classification |
|---|---|
| ANATEL | Compliant |
| CHINA-ROHS | Above 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/Exempted |
| UK-ROHS | Compliant/Exempted |

## Included Products

| | | |
|---|---|---|
| 760227249<br>N-048-MP-5K-F12AQ/20T/D | – | Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber multi-unit with 12 fiber 2.0mm subunits, Gel-free, Multimode OM4, Feet jacket marking, Aqua jacket color, Dca flame rating |
| 860366228 | – | MPO12, ULTRA LOW LOSS, MALE, OM3/4, AQUA, 3mm |
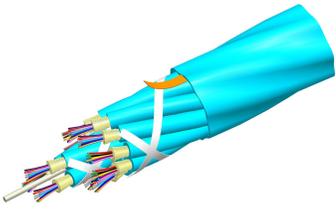
COMMSCOPE®

# 760227249 | N-048-MP-5K-F12AQ/20T/D

Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 48 fiber multi-unit with 12 fiber 2.0mm subunits, Gel-free, Multimode OM4, Feet jacket marking, Aqua jacket color, Dca 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 |
| **Subunit, quantity** | 4 |
| **Fibers per Subunit, quantity** | 12 |
| **Total Fiber Count** | 48 |

## Dimensions

| | |
|---|---|
| **Buffer Tube/Subunit Diameter** | 2 mm | 0.079 in |
| **Diameter Over Jacket** | 7 mm | 0.276 in |

## Representative Image

COMMSCOPE®
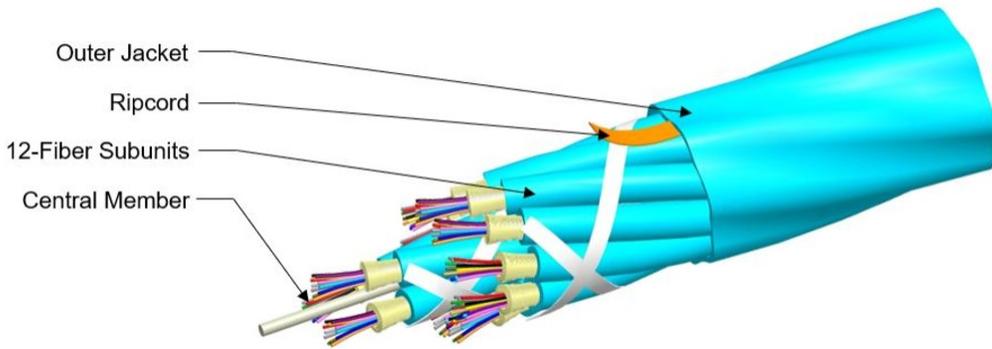
## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 105 mm | 4.134 in |
| **Minimum Bend Radius, unloaded** | 70 mm | 2.756 in |
| **Tensile Load, long term, maximum** | 200 N | 44.962 lbf |
| **Tensile Load, short term, maximum** | 667 N | 149.948 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** | 381 m | 1250 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) |

COMMSCOPE®

| | |
|---|---|
| **Cable Qualification Standards** | ANSI/ICEA S-83-596 | Telcordia GR-409 |
| **EN50575 CPR Cable EuroClass Fire Performance** | Dca |
| **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 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) |
| **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** | 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** | 48.2 kg/km | 32.389 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 |

## * Footnotes

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

COMMSCOPE®

# 860366228

MPO12, ULTRA LOW LOSS, MALE, OM3/4, AQUA, 3mm

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia  \|  Australia/New Zealand  \|  EMEA  \|  Latin America  \|  North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber connector |
| **Product Brand** | LazrSPEED® |

## General Specifications

| | |
|---|---|
| **Color** | Aqua |
| **Color, boot** | Black |
| **Ferrule Geometry** | Flat |
| **Interface** | MPO/UPC Male |
| **Interface Feature** | Pinned |
| **Total Fiber Count** | 12 |

## Dimensions

| | |
|---|---|
| **Length** | 60.1 mm  \|  2.366 in |
| **Compatible Cable Diameter** | 3 mm  \|  0.118 in |

## Material Specifications

| | |
|---|---|
| **Ferrule Material** | Polymer |

## Mechanical Specifications

| | |
|---|---|
| **Cable Retention Strength, maximum** | 11.24 lb @ 0 ° |

## Optical Specifications

| | |
|---|---|
| **Fiber Mode** | Multimode |
| **Fiber Type** | OM3  \|  OM4 |
| **Insertion Loss Change, mating** | 0.3 dB |
| **Optical Components Standard** | ANSI/TIA-568-C.3 |

COMMSCOPE®

# 860366228

| | |
|---|---|
| **Insertion Loss Change, temperature** | 0.3 dB |
| **Insertion Loss, maximum** | 0.2 dB |
| **Return Loss, minimum** | 27 dB |

## Packaging and Weights

| | |
|---|---|
| **Packaging quantity** | 1 |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CHINA-ROHS | Above 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/Exempted |
| UK-ROHS | Compliant/Exempted |

## * Footnotes

| | |
|---|---|
| **Insertion Loss Change, mating** | TIA-568: Maximum insertion loss change after 500 matings |
| **Insertion Loss Change, temperature** | Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F) |

COMMSCOPE®