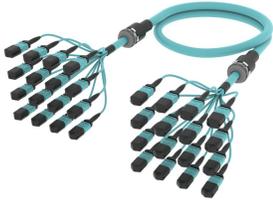


# UKXMXMXCN

## Base Product



Ultra Low Loss (ULL) OM4 MPO12 UPC (pinned) to MPO12 UPC (pinned) Fiber Trunk Cable Assembly, 192-Fiber, Armored Indoor Low Smoke Zero Halogen (LSZH)

## 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

### Product Brand

Propel | SYSTIMAX ULL

### Ordering Note

For additional jacket colors, please contact a CommScope Sales Representative | For lengths greater than 999 ft (304 m), orders must be in meters | Minimum length may vary based on cable configuration

## General Specifications

|                                     |                         |
|-------------------------------------|-------------------------|
| <b>Connector A, quantity</b>        | 16                      |
| <b>Color, boot A</b>                | Black                   |
| <b>Color, connector A</b>           | Aqua                    |
| <b>Connector B, quantity</b>        | 16                      |
| <b>Color, boot B</b>                | Black                   |
| <b>Color, connector B</b>           | Aqua                    |
| <b>Construction Type</b>            | Armored   Stranded      |
| <b>Furcation Color</b>              | Aqua                    |
| <b>Interface, Connector A</b>       | MPO-12/UPC Male         |
| <b>Interface, Connector B</b>       | MPO-12/UPC Male         |
| <b>Jacket Color</b>                 | Aqua                    |
| <b>Polarity</b>                     | Method B Enhanced (ULL) |
| <b>Fibers per Subunit, quantity</b> | 12                      |
| <b>Total Fibers, quantity</b>       | 192                     |

## Dimensions

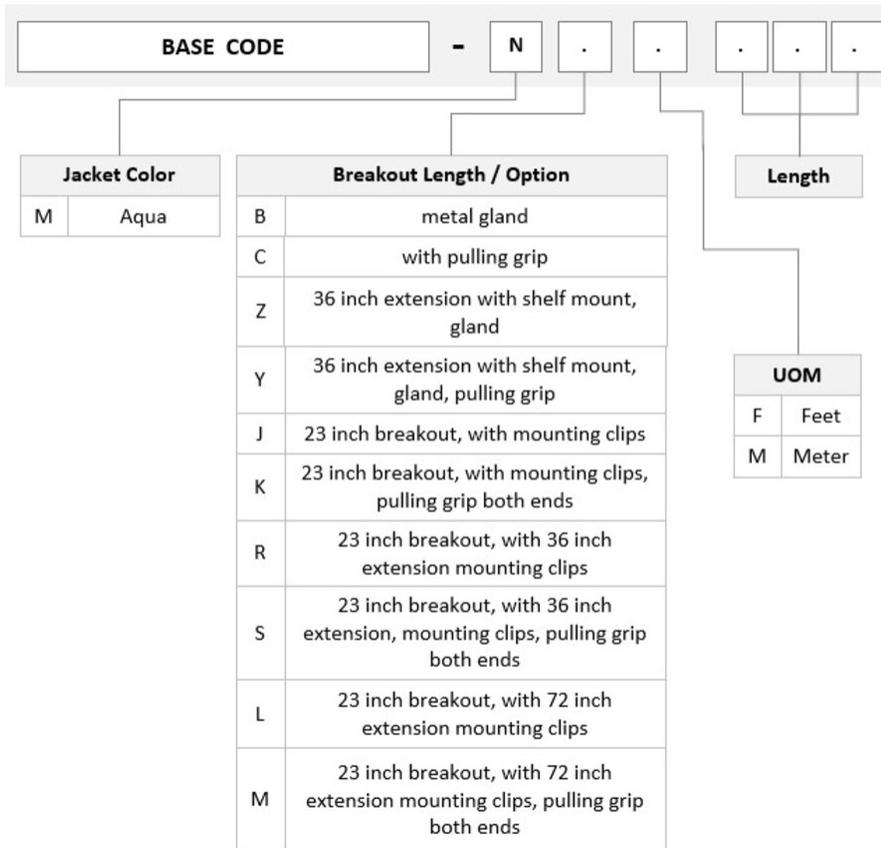
|                        |       |
|------------------------|-------|
| <b>Breakout Length</b> | 22 in |
|------------------------|-------|

# UKXMXMCN

**Cable Assembly Length Range (m)** 3 – 305

**Cable Assembly Length Range (ft)** 10 – 999

## Ordering Tree



## 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)

# UKXMXMXCN

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**EN50575 CPR Cable EuroClass Fire Performance**

Dca

**Environmental Space**

Dual Rated LSZH/Riser | Indoor

## 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](http://www.commscope.com/ProductCompliance)

ROHS

Compliant/Exempted

UK-ROHS

Compliant/Exempted



## Included Products

760249677

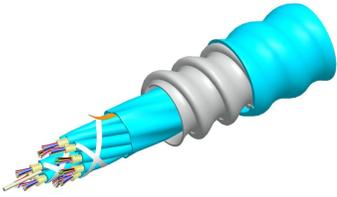
N-192-MZ-5K-F12AQ/20T/B2

- Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM4, 192 fiber multi-unit with 12 fiber subunits, Gel-free, Feet jacket marking, Aqua jacket color, B2ca flame rating

860659006

- MPO12, ULL, MALE, OM3/4, AQUA, 2MM

# 760249677 | N-192-MZ-5K-F12AQ/20T/B2



Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM4, 192 fiber multi-unit with 12 fiber subunits, Gel-free, Feet jacket marking, Aqua jacket color, B2ca flame rating

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor cable  |
| <b>Product Series</b>        | N-MZ  |

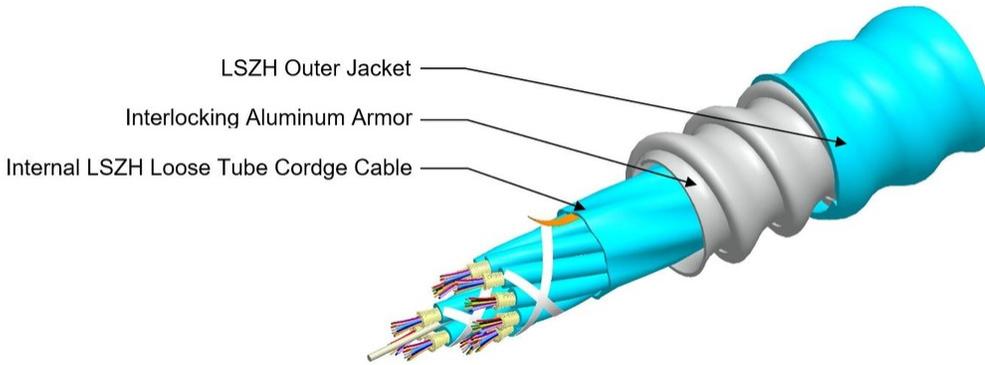
## General Specifications

|                                     |                       |
|-------------------------------------|-----------------------|
| <b>Armor Type</b>                   | Interlocking aluminum |
| <b>Cable Type</b>                   | MPO trunk cable       |
| <b>Construction Type</b>            | Armored               |
| <b>Subunit Type</b>                 | Gel-free              |
| <b>Filler, quantity</b>             | 2                     |
| <b>Jacket Color</b>                 | Aqua                  |
| <b>Jacket Marking</b>               | Feet                  |
| <b>Subunit, quantity</b>            | 16                    |
| <b>Fibers per Subunit, quantity</b> | 12                    |
| <b>Total Fiber Count</b>            | 192                   |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2 mm   0.079 in    |
| <b>Diameter Over Armor</b>          | 19.7 mm   0.776 in |
| <b>Diameter Over Jacket</b>         | 21.7 mm   0.854 in |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 326 mm   12.835 in                    |
| <b>Minimum Bend Radius, unloaded</b>     | 217 mm   8.543 in                     |
| <b>Tensile Load, long term, maximum</b>  | 200 N   44.962 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 667 N   149.948 lbf                   |
| <b>Compression</b>                       | 85 N/mm   485.363 lb/in               |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 300 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 35 N-m   309.776 in lb                |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 54 m   177.165 ft                     |

## Optical Specifications

|                   |                     |
|-------------------|---------------------|
| <b>Fiber Type</b> | OM4, LazrSPEED® 550 |
|-------------------|---------------------|

## Environmental Specifications

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

# 760249677 | N-192-MZ-5K-F12AQ/20T/B2

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|   |   |
|---|---|
| <b>Cable Qualification Standards</b>                | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | B2ca  |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a   |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d2  |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1  |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)   Riser                       |
| <b>Flame Test Listing</b>                           | NEC OFCR-ST1 (ETL) and c(ETL)                               |
| <b>Flame Test Method</b>                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |

## Environmental Test Specifications

|                                      |                                    |
|--------------------------------------|------------------------------------|
| <b>Heat Age</b>                      | 0 °C to +85 °C (+32 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                     |
| <b>Low High Bend</b>                 | 0 °C to +50 °C (+32 °F to +122 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11          |
| <b>Temperature Cycle</b>             | 0 °C to +60 °C (+32 °F to +140 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1            |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 375 kg/km   251.988 lb/kft |
|---------------------|----------------------------|

## \* Footnotes

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

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MPO12, ULL, MALE, OM3/4, AQUA, 2MM

## Product Classification

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

## General Specifications

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

## Dimensions

|                                  |                    |
|----------------------------------|--------------------|
| <b>Length</b>                    | 60.1 mm   2.366 in |
| <b>Compatible Cable Diameter</b> | 2 mm   0.079 in    |

## Material Specifications

|                         |         |
|-------------------------|---------|
| <b>Ferrule Material</b> | Polymer |
|-------------------------|---------|

## Mechanical Specifications

|  |                |
|--|----------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0 ° |
|--|----------------|

## Optical Specifications

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Fiber Mode</b>                    | Singlemode                        |
| <b>Fiber Type</b>                    | OM3, LazrSPEED®   OM4, LazrSPEED® |
| <b>Insertion Loss Change, mating</b> | 0.2 dB                            |
| <b>Optical Components Standard</b>   | ANSI/TIA-568-C.3                  |

# 860659006

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**Insertion Loss, maximum** 0.2 dB

**Return Loss, minimum** 27 dB

## Packaging and Weights

**Packaging quantity** 1

## \* Footnotes

**Insertion Loss Change, mating** TIA-568: Maximum insertion loss change after 500 matings