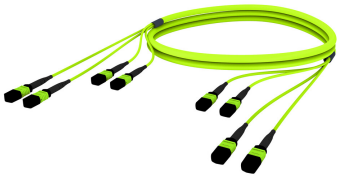


# UKVMPMXAH

## Base Product



Ultra Low Loss (ULL) Multimode OM5 MPO12 (Unpinned) to MPO12 (Pinned), Armored Pre-terminated Trunk Cable, 48-Fiber, Low Smoke Zero Halogen (LSZH)

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   Latin America   Middle East/Africa   North America   |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber trunk cable assembly  |
| <b>Product Brand</b>         | SYSTIMAX ULL  |
| <b>Ordering Note</b>         | For lengths greater than 999 ft (304 m), orders must be in meters   Minimum length may vary based on cable configuration   Not available in the United States or Canada |

## General Specifications

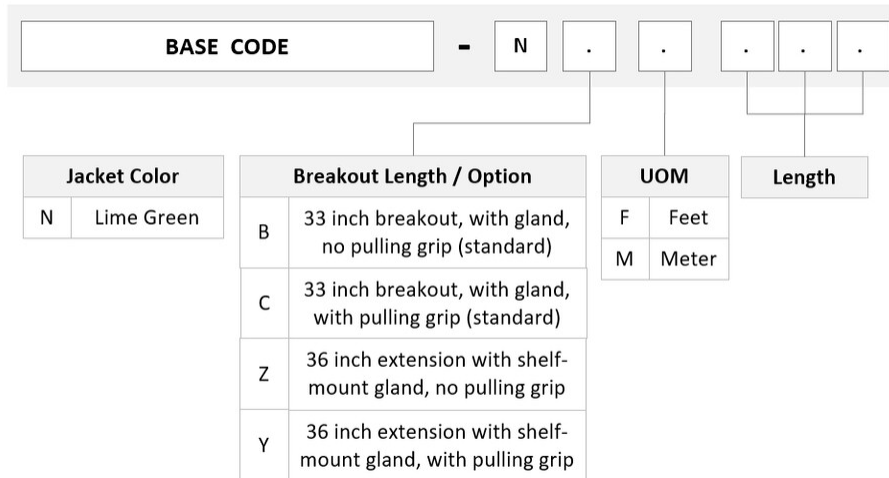
|                                       |                         |
|---------------------------------------|-------------------------|
| <b>Connector A, quantity</b>          | 4                       |
| <b>Color, boot A</b>                  | Black                   |
| <b>Color, connector A</b>             | Lime green              |
| <b>Connector B, quantity</b>          | 4                       |
| <b>Color, boot B</b>                  | Black                   |
| <b>Color, connector B</b>             | Lime green              |
| <b>Construction Type</b>              | Armored   Stranded      |
| <b>Furcation Color</b>                | Lime green              |
| <b>Interface, Connector A</b>         | MPO-12/UPC Female       |
| <b>Interface Feature, connector A</b> | Unpinned                |
| <b>Interface, Connector B</b>         | MPO-12/UPC Male         |
| <b>Interface Feature, connector B</b> | Pinned                  |
| <b>Jacket Color</b>                   | Lime green              |
| <b>Polarity</b>                       | Method B Enhanced (ULL) |
| <b>Fibers per Subunit, quantity</b>   | 12                      |
| <b>Total Fibers, quantity</b>         | 48                      |

# UKVMPMXAH

## Dimensions

|   |          |
|---|----------|
| <b>Breakout Length</b>                  | 33 in    |
| <b>Cable Assembly Length Range (m)</b>  | 3 – 999  |
| <b>Cable Assembly Length Range (ft)</b> | 10 – 999 |

## Ordering Tree



## Mechanical Specifications

|  |                               |
|--|-------------------------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0°   4.40 lb @ 90° |
|--|-------------------------------|

## Optical Specifications

|                   |                 |
|-------------------|-----------------|
| <b>Fiber Mode</b> | Multimode       |
| <b>Fiber Type</b> | OM5, LazrSPEED® |

## Environmental Specifications

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Operating Temperature</b> | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Environmental Space</b>   | Dual Rated LSZH/Riser   Indoor       |

## Included Products

|                                |   |  |
|--------------------------------|---|--|
| 760230300<br>N-048-MZ-5G-F12LM | - | Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM5, 48 fiber multi-unit with 12 fiber subunits, Feet jacket marking, Lime-green jacket color |
| 860617232                      | - | MPO12, ULTRA LOW LOSS, FEMALE, OM5, LIME, 3mm  |

# UKVMPMXAH

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860617240

– MP012, ULTRA LOW LOSS, MALE, OM5, LIME, 3mm

# 760230300 | N-048-MZ-5G-F12LM



Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM5, 48 fiber multi-unit with 12 fiber subunits, Feet jacket marking, Lime-green jacket color

## 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>Jacket Color</b>                 | Lime green            |
| <b>Jacket Marking</b>               | Feet                  |
| <b>Subunit, quantity</b>            | 4                     |
| <b>Fibers per Subunit, quantity</b> | 12                    |
| <b>Total Fiber Count</b>            | 48                    |

## Dimensions

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in     |
| <b>Diameter Over Armor</b>          | 15.88 mm   0.625 in |
| <b>Diameter Over Jacket</b>         | 17.9 mm   0.705 in  |

## Representative Image

# 760230300 | N-048-MZ-5G-F12LM



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 269 mm   10.591 in                    |
| <b>Minimum Bend Radius, unloaded</b>     | 179 mm   7.047 in                     |
| <b>Tensile Load, long term, maximum</b>  | 400 N   89.924 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 1335 N   300.12 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>            | 166 m   544.619 ft                    |

## Optical Specifications

|                   |   |
|-------------------|---|
| <b>Fiber Type</b> | OM5, LazrSPEED® wideband   OM5, LazrSPEED® wideband |
|-------------------|---|

## Environmental Specifications

|                                 |                                      |
|---------------------------------|--------------------------------------|
| <b>Installation temperature</b> | -20 °C to +60 °C (-4 °F to +140 °F)  |
| <b>Operating Temperature</b>    | -20 °C to +70 °C (-4 °F to +158 °F)  |
| <b>Storage Temperature</b>      | -40 °C to +70 °C (-40 °F to +158 °F) |

# 760230300 | N-048-MZ-5G-F12LM

|                                      |   |
|--------------------------------------|---|
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| <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>                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                      |
| <b>Low High Bend</b>                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11           |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1             |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 247 kg/km   165.976 lb/kft |
|---------------------|----------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |

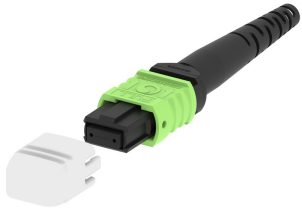


## \* Footnotes

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

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MPO12, ULTRA LOW LOSS, FEMALE, OM5, LIME, 3mm

## 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>             | Lime green     |
| <b>Color, boot</b>       | Black          |
| <b>Ferrule Geometry</b>  | Flat           |
| <b>Interface</b>         | MPO/UPC Female |
| <b>Interface Feature</b> | Unpinned       |
| <b>Total Fiber Count</b> | 12             |

## Dimensions

|                                  |                    |
|----------------------------------|--------------------|
| <b>Length</b>                    | 60.1 mm   2.366 in |
| <b>Compatible Cable Diameter</b> | 3 mm   0.118 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>                    | Multimode                |
| <b>Fiber Type</b>                    | OM5, LazrSPEED® wideband |
| <b>Insertion Loss Change, mating</b> | 0.3 dB                   |
| <b>Optical Components Standard</b>   | ANSI/TIA-568-C.3         |

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|   |        |
|---|--------|
| <b>Insertion Loss Change, temperature</b> | 0.3 dB |
| <b>Insertion Loss, maximum</b>            | 0.2 dB |
| <b>Return Loss, minimum</b>               | 27 dB  |

## Packaging and Weights

|                           |   |
|---------------------------|---|
| <b>Packaging quantity</b> | 1 |
|---------------------------|---|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



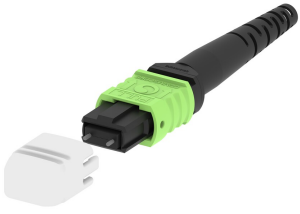
## \* Footnotes

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



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MPO12, ULTRA LOW LOSS, MALE, OM5, LIME, 3mm

## 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>             | Lime green   |
| <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> | 3 mm   0.118 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>                    | Multimode                |
| <b>Fiber Type</b>                    | OM5, LazrSPEED® wideband |
| <b>Insertion Loss Change, mating</b> | 0.3 dB                   |
| <b>Optical Components Standard</b>   | ANSI/TIA-568-C.3         |

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|   |        |
|---|--------|
| <b>Insertion Loss Change, temperature</b> | 0.3 dB |
| <b>Insertion Loss, maximum</b>            | 0.2 dB |
| <b>Return Loss, minimum</b>               | 27 dB  |

## Packaging and Weights

|                           |   |
|---------------------------|---|
| <b>Packaging quantity</b> | 1 |
|---------------------------|---|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant/Exempted   |
| UK-ROHS       | Compliant  |



### \* Footnotes

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