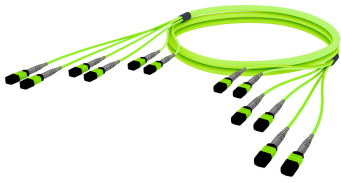


# U3VQXQXQH

## Base Product



Ultra Low Loss (ULL) OM5 MPO QSFP (Pinned) to MPO QSFP (Pinned), Pre-terminated Cable, MPO8, 48-Fiber, Low Smoke Zero Halogen (LSZH)

This product will be discontinued on: April 30, 2024

### Replaced By:

U3VQXQXTH

Ultra Low Loss (ULL) OM5 MPO8 (Pinned) to MPO8 (Pinned), Fiber Trunk Cable Assembly, 48-Fiber, LZSH B2ca

## Product Classification

|                              |                                              |
|------------------------------|----------------------------------------------|
| <b>Regional Availability</b> | Europe                                       |
| <b>Portfolio</b>             | CommScope®                                   |
| <b>Product Type</b>          | Fiber trunk cable assembly                   |
| <b>Product Brand</b>         | SYSTIMAX ULL                                 |
| <b>Ordering Note</b>         | Not available in the United States or Canada |

## General Specifications

|                                       |                         |
|---------------------------------------|-------------------------|
| <b>Color, boot A</b>                  | Gray                    |
| <b>Color, connector A</b>             | Lime green              |
| <b>Color, boot B</b>                  | Gray                    |
| <b>Color, connector B</b>             | Lime green              |
| <b>Construction Type</b>              | Stranded                |
| <b>Furcation Color</b>                | Lime green              |
| <b>Interface, Connector A</b>         | MPO-08/UPC Male         |
| <b>Interface Feature, connector A</b> | QSFP configuration      |
| <b>Interface, Connector B</b>         | MPO-08/UPC Male         |
| <b>Interface Feature, connector B</b> | QSFP configuration      |
| <b>Jacket Color</b>                   | Lime green              |
| <b>Polarity</b>                       | Method B Enhanced (ULL) |
| <b>Fibers per Subunit, quantity</b>   | 8                       |

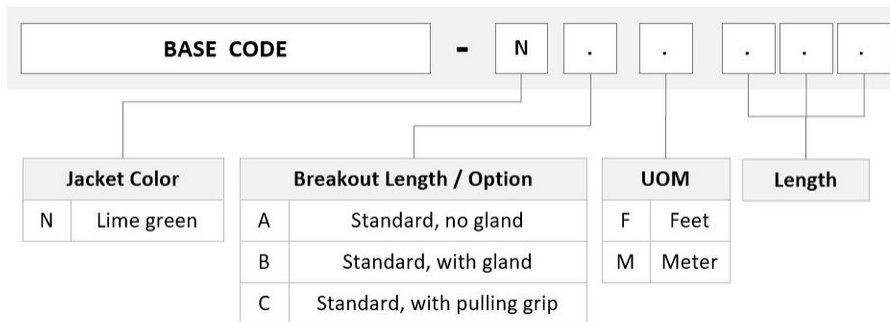
# U3VQXQXQH

**Total Fibers, quantity** 48

## Dimensions

**Breakout Length** 33 in  
**Cable Assembly Length Range (m)** 3 – 999  
**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** OM5, LazrSPEED®

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)  
**Environmental Space** Low Smoke Zero Halogen (LSZH)

## Regulatory Compliance/Certifications

| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant/Exempted                                                                                                             |

# U3VQXQXQH

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UK-ROHS

Compliant/Exempted



## Included Products

- 760239608  
N-048-MP-5G-F12LM/B2 - Fiber indoor cable, LazrSPEED®, Low Smoke Zero Halogen Riser MPO Trunk, 48 fibers, 12 fiber subunits, Multimode OM5, Gel-free, Feet jacket marking, Lime green jacket color, B2ca Flame rating
- 860633312 - MPO8, ULTRA LOW LOSS, MALE, OM5, LIME, 3mm

# 760239608 | N-048-MP-5G-F12LM/B2

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Fiber indoor cable, LazrSPEED®, Low Smoke Zero Halogen Riser MPO Trunk, 48 fibers, 12 fiber subunits, Multimode OM5, Gel-free, Feet jacket marking, Lime green jacket color, B2ca Flame rating

## Product Classification

|                              |                    |
|------------------------------|--------------------|
| <b>Regional Availability</b> | Asia   EMEA        |
| <b>Portfolio</b>             | CommScope®         |
| <b>Product Type</b>          | Fiber indoor cable |
| <b>Product Series</b>        | N-MP               |

## General Specifications

|                          |                 |
|--------------------------|-----------------|
| <b>Cable Type</b>        | MPO trunk cable |
| <b>Construction Type</b> | Non-armored     |
| <b>Subunit Type</b>      | Gel-free        |
| <b>Jacket Color</b>      | Aqua            |
| <b>Jacket Marking</b>    | Feet            |
| <b>Subunit, quantity</b> | 4               |
| <b>Total Fiber Count</b> | 48              |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in    |
| <b>Diameter Over Jacket</b>         | 10.3 mm   0.406 in |

## Representative Image



## Mechanical Specifications

|                                          |                                       |
|------------------------------------------|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 154 mm   6.063 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 103 mm   4.055 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>                       | 10 N/mm   57.101 lb/in                |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 25 cycles                             |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 2.94 N-m   26.021 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>            | 408 m   1,338.583 ft                  |

## Optical Specifications

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

## 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) |

# 760239608 | N-048-MP-5G-F12LM/B2

|                                                     |                                       |
|-----------------------------------------------------|---------------------------------------|
| <b>Storage Temperature</b>                          | -40 °C to +70 °C (-40 °F to +158 °F)  |
| <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>  | d0                                    |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1                                    |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)         |
| <b>Flame Test Method</b>                            | IEC 60754-2   IEC 61034-2             |

## 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 +70 °C (+32 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11          |
| <b>Temperature Cycle</b>             | 0 °C to +70 °C (+32 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1            |

## Packaging and Weights

|                     |                           |
|---------------------|---------------------------|
| <b>Cable weight</b> | 100 kg/km   67.197 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

# 860633312

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MPO8, 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>       | Gray         |
| <b>Ferrule Geometry</b>  | Flat         |
| <b>Interface</b>         | MPO/UPC Male |
| <b>Interface Feature</b> | Pinned       |
| <b>Total Fiber Count</b> | 8            |

## 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         |

# 860633312

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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) |