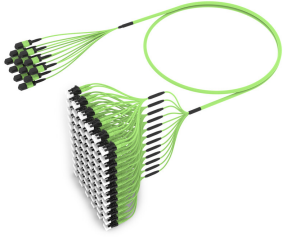


# UNVMPLCCM

## Base Product



Ultra Low Loss ULL LazrSPEED® 550 OM5 MPO(Unpinned) to LC/UPC Ruggedized fanout Cable, 144-Fiber, LSZH, 12 fiber PmP 2.0 mm Dca

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | Europe | Latin America | Middle East/Africa | North America

### Portfolio

CommScope®

### Product Type

Ruggedized fanout

### Product Brand

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

### Color, boot A

Black

### Color, connector A

Black

### Color, boot B

Blue

### Color, connector B

Black

### Construction Type

Stranded

### Furcation Color

Lime green

### Interface, Connector A

MPO-12/UPC Female

### Interface, Connector B

LC/UPC

### Interface Feature, connector B

ULL

### Jacket Color

Lime green

### Polarity

Method B Enhanced (ULL)

### Fibers per Subunit, quantity

12

### Total Fibers, quantity

144

## Dimensions

### Cable Assembly Length Range (m)

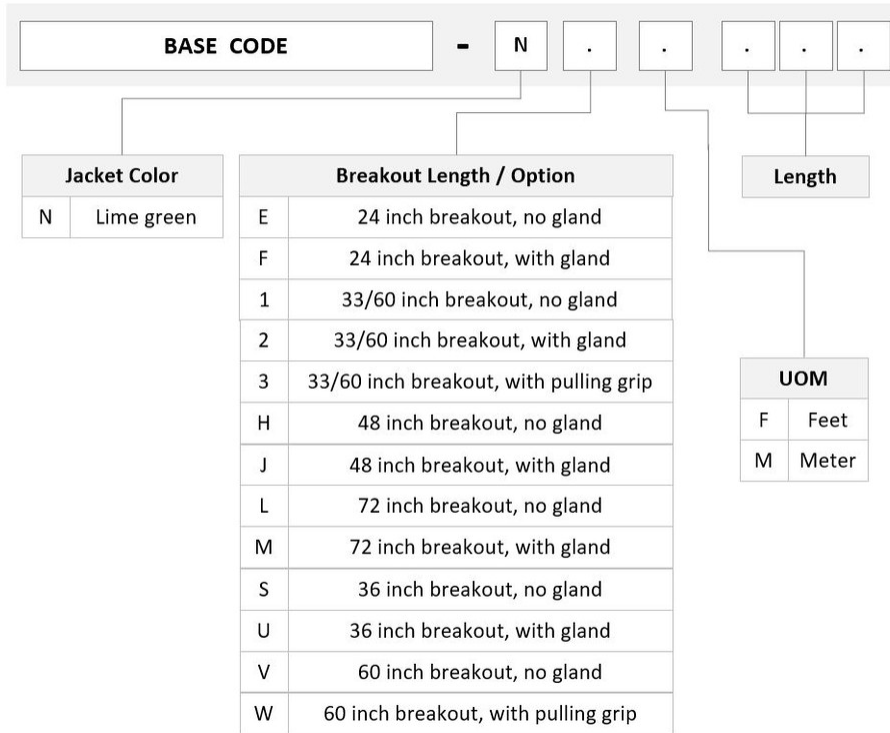
3 – 999

### Cable Assembly Length Range (ft)

10 – 999

# UNVMPLCCM

## Ordering Tree



## 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>EN50575 CPR Cable EuroClass Fire Performance</b> | Dca                                  |
| <b>Environmental Space</b>                          | Dual Rated LSZH/Riser   Indoor       |

## Regulatory Compliance/Certifications

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

# UNVMPLCCM

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|               |  |
|---------------|--|
| 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  |



## Included Products

|                                      |   |   |
|--------------------------------------|---|---|
| 760244161<br>N-144-MP-5G-F12LM/20T/D | - | Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber multi-unit with 12 fiber 2.0mm subunits, Gel-free, Multimode OM5, Feet jacket marking, Lime green jacket color, Dca flame rating |
| 860649627                            | - | LC/UPC Connector, Multimode, Beige, Short Boot  |
| 860659014                            | - | MPO12, ULL, FEMALE, OM5, LIME, 2MM  |

# 760244161 | N-144-MP-5G-F12LM/20T/D



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber multi-unit with 12 fiber 2.0mm subunits, Gel-free, Multimode OM5, Feet jacket marking, Lime green jacket color, Dca 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-MP  |

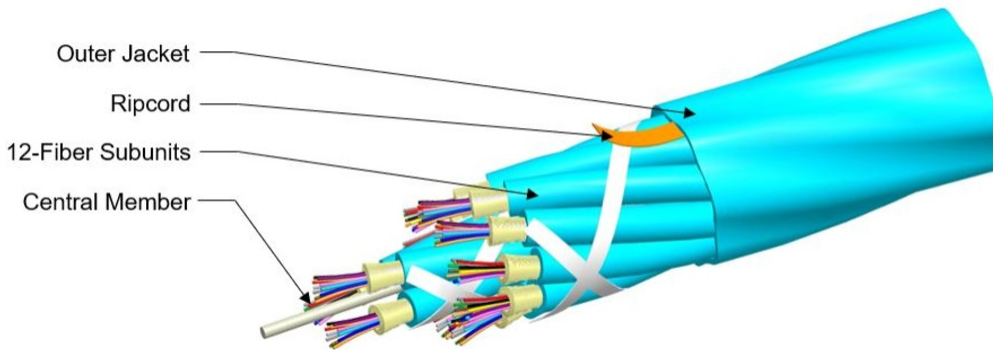
## General Specifications

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Cable Type</b>                   | MPO trunk cable |
| <b>Construction Type</b>            | Non-armored     |
| <b>Subunit Type</b>                 | Gel-free        |
| <b>Jacket Color</b>                 | Lime green      |
| <b>Jacket Marking</b>               | Feet            |
| <b>Subunit, quantity</b>            | 12              |
| <b>Fibers per Subunit, quantity</b> | 12              |
| <b>Total Fiber Count</b>            | 144             |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2 mm   0.079 in    |
| <b>Diameter Over Jacket</b>         | 12.3 mm   0.484 in |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 185 mm   7.283 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 123 mm   4.843 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>                       | 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>            | 131 m   429.79 ft                     |

## Optical Specifications

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

## Environmental Specifications

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

# 760244161 | N-144-MP-5G-F12LM/20T/D

|   |   |
|---|---|
| <b>Cable Qualification Standards</b>                | ANSI/ICEA S-83-596   Telcordia GR-409                                 |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | Dca   |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a   |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d1  |
| <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 OFNR-ST1 (ETL) and c(ETL)   |
| <b>Flame Test Method</b>                            | CSA FT4   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 +60 °C (+32 °F to +140 °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> | 149.3 kg/km   100.325 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

## LC/UPC Connector, Multimode, Beige, Short Boot

### 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   |

### General Specifications

|                       |        |
|-----------------------|--------|
| <b>Color, boot</b>    | Beige  |
| <b>Color, housing</b> | Beige  |
| <b>Interface</b>      | LC/UPC |

### Dimensions

|               |                    |
|---------------|--------------------|
| <b>Length</b> | 41.6 mm   1.638 in |
|---------------|--------------------|

### Material Specifications

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

### Mechanical Specifications

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

### Optical Specifications

|   |                                 |
|---|---------------------------------|
| <b>Fiber Mode</b>                         | Multimode                       |
| <b>Insertion Loss Change, mating</b>      | 0.2 dB                          |
| <b>Optical Components Standard</b>        | ANSI/TIA-568. 3-D   IEC 61753-1 |
| <b>Insertion Loss Change, temperature</b> | 0.3 dB                          |
| <b>Insertion Loss, maximum</b>            | 0.15 dB                         |
| <b>Return Loss, minimum</b>               | 35 dB                           |

### 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> |

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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)



# 860659014

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MPO12, ULL, FEMALE, OM5, LIME, 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>             | 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> | 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>                    | G.652.D and G.657.A1, TeraSPEED®   OS2 |
| <b>Insertion Loss Change, mating</b> | 0.2 dB                                 |
| <b>Optical Components Standard</b>   | ANSI/TIA-568-C.3                       |

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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