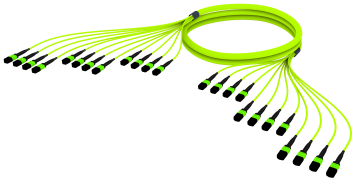


# F3VMPMXAM



OM5 MPO (Unpinned) to MPO (Pinned), InstaPATCH® 360 Pre-terminated Trunk Cable, 144-Fiber, Low Smoke Zero Halogen B2ca

- LazrSPEED® WideBand extends the capability of OM4 across enough spectrum to support at least four low-cost wavelengths

## OBSOLETE

This product was discontinued on: December 30, 2022

## Product Classification

|                              |  |
|------------------------------|--|
| <b>Regional Availability</b> | Europe   |
| <b>Portfolio</b>             | CommScope®   |
| <b>Product Type</b>          | Fiber trunk cable assembly   |
| <b>Product Brand</b>         | SYSTIMAX InstaPATCH® 360   |
| <b>Ordering Note</b>         | 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

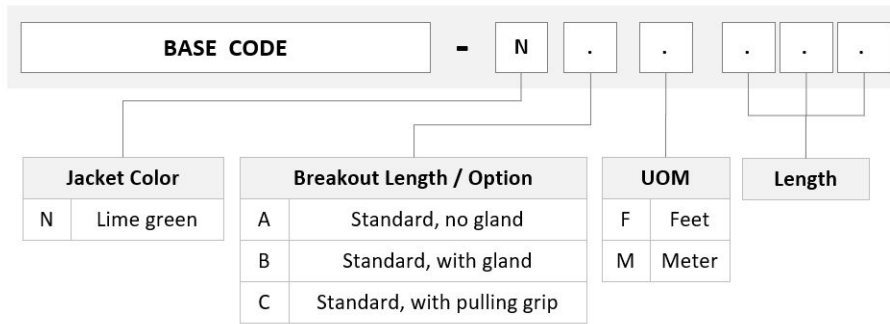
|                                     |                   |
|-------------------------------------|-------------------|
| <b>Color, boot A</b>                | Black             |
| <b>Color, connector A</b>           | Lime green        |
| <b>Color, boot B</b>                | Black             |
| <b>Color, connector B</b>           | Lime green        |
| <b>Construction Type</b>            | Stranded          |
| <b>Furcation Color</b>              | Lime green        |
| <b>Interface, Connector A</b>       | MPO-12/UPC Female |
| <b>Interface, Connector B</b>       | MPO-12/UPC Male   |
| <b>Jacket Color</b>                 | Lime green        |
| <b>Polarity</b>                     | Method B (LL)     |
| <b>Fibers per Subunit, quantity</b> | 12                |
| <b>Total Fibers, quantity</b>       | 144               |

## Dimensions

# F3VMPMXAM

|   |          |
|---|----------|
| <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>EN50575 CPR Cable EuroClass Fire Performance</b> | B2ca                                   |
| <b>Environmental Space</b>                          | Indoor   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   |
| UK-ROHS       | Compliant/Exempted   |

# F3VMPPMXAM

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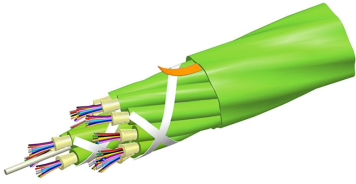


## Included Products

- 760239611  
N-144-MP-5G-F12LM/B2
  - 860647049
  - 860647056
- Fiber Indoor Cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber, 12 fiber subunits, Multimode OM5, Gel-free, Feet jacket marking, Lime green jacket color, B2ca Flame rating
  - MPO12, LOW LOSS, MALE, OM5, LIME, 3mm
  - MPO12, LOW LOSS, FEMALE, OM5, LIME, 3mm

# 760239611 | N-144-MP-5G-F12LM/B2

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Fiber Indoor Cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber, 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               |

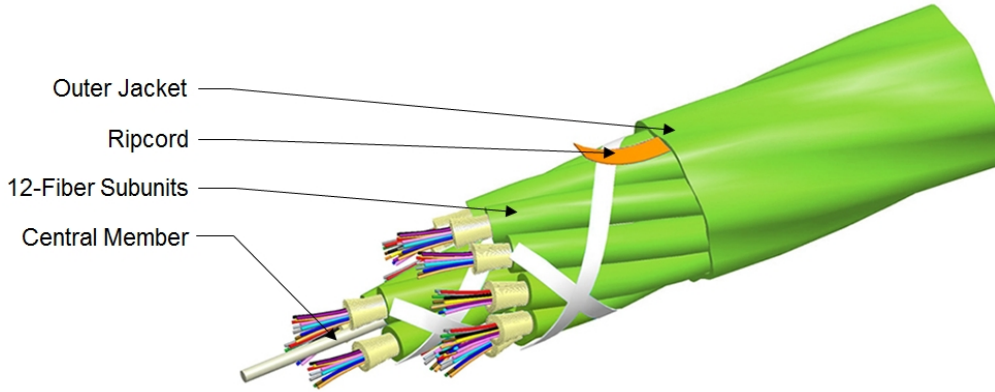
## General Specifications

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

## Dimensions

|                                     |                     |
|-------------------------------------|---------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 3 mm   0.118 in     |
| <b>Diameter Over Jacket</b>         | 15.32 mm   0.603 in |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 221 mm   8.701 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 147 mm   5.787 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>            | 217 m   711.942 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) |

# 760239611 | N-144-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> | 188 kg/km   126.33 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

# 860647049

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MP012, 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   |

## 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              |
| <b>Insertion Loss Change, mating</b>      | 0.3 dB           |
| <b>Optical Components Standard</b>        | ANSI/TIA-568-C.3 |
| <b>Insertion Loss Change, temperature</b> | 0.3 dB           |
| <b>Insertion Loss, maximum</b>            | 0.25 dB          |
| <b>Return Loss, minimum</b>               | 27 dB            |

# 860647049

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## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

Designed, manufactured and/or distributed under this quality management system



## \* 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)



# 860647056

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MP012, 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   |

## 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              |
| <b>Insertion Loss Change, mating</b>      | 0.3 dB           |
| <b>Optical Components Standard</b>        | ANSI/TIA-568-C.3 |
| <b>Insertion Loss Change, temperature</b> | 0.3 dB           |
| <b>Insertion Loss, maximum</b>            | 0.25 dB          |
| <b>Return Loss, minimum</b>               | 27 dB            |

# 860647056

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## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

Designed, manufactured and/or distributed under this quality management system



## \* 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)