

# FRVMPMPGD

Base Product



OM5 MPO (Unpinned) to MPO (Unpinned), InstaPATCH® 360 Array Cord, 12-Fiber, Low Smoke Zero Halogen

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

## Product Classification

|                       |  |
|-----------------------|--|
| Regional Availability | Asia   Australia/New Zealand   Europe   Latin America   Middle East /Africa   North America  |
| Portfolio             | CommScope®   |
| Product Type          | Fiber array cable assembly   |
| Product Brand         | SYSTIMAX InstaPATCH® 360   |
| Ordering Note         | For additional jacket colors, please contact a CommScope Sales Representative   Minimum length may vary based on cable configuration |

## General Specifications

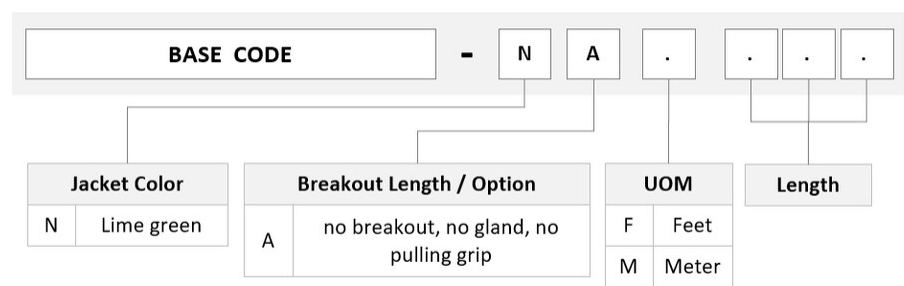
|                              |                   |
|------------------------------|-------------------|
| Color, boot A                | Black             |
| Color, connector A           | Lime green        |
| Color, boot B                | Black             |
| Color, connector B           | Lime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

## Dimensions

|                                  |         |
|----------------------------------|---------|
| Cable Assembly Length Range (m)  | 1 – 305 |
| Cable Assembly Length Range (ft) | 1 – 999 |

# FRVMPMPGD

## 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** Indoor | Low Smoke Zero Halogen (LSZH)

## Regulatory Compliance/Certifications

### Agency

ANATEL

CHINA-ROHS

ISO 9001:2015

ROHS

UK-ROHS

### Classification

Compliant

Above maximum concentration value

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

Compliant/Exempted

Compliant/Exempted



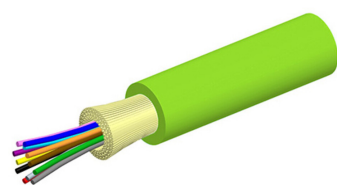
## Included Products

760229039 – Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser Light Duty for MPO Patchcords, 12 fiber, Multimode OM5, Gel-free, Feet jacket marking, Lime green jacket color, Dca Flame rating

# FRVMPMPGD

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860647056 – MP012, LOW LOSS, FEMALE, OM5, LIME, 3mm



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser Light Duty for MPO Patchcords, 12 fiber, Multimode OM5, Gel-free, Feet jacket marking, Lime green jacket color, Dca Flame rating

Product Classification

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

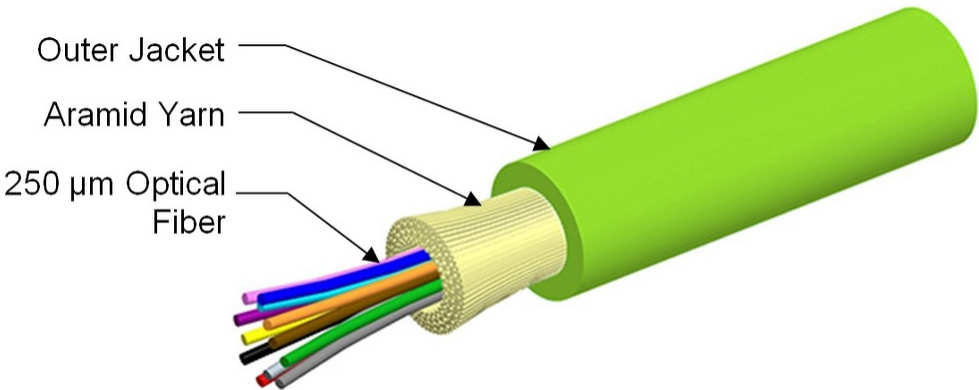
General Specifications

|                   |                 |
|-------------------|-----------------|
| Cable Type        | MPO trunk cable |
| Construction Type | Non-armored     |
| Subunit Type      | Gel-free        |
| Jacket Color      | Lime green      |
| Jacket Marking    | Feet            |
| Total Fiber Count | 12              |

Dimensions

|                      |                 |
|----------------------|-----------------|
| Diameter Over Jacket | 3 mm   0.118 in |
|----------------------|-----------------|

Representative Image



### Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 45 mm   1.772 in                      |
| Minimum Bend Radius, unloaded     | 24 mm   0.945 in                      |
| Tensile Load, long term, maximum  | 100 N   22.481 lbf                    |
| Tensile Load, short term, maximum | 334 N   75.086 lbf                    |
| Compression                       | 4 N/mm   22.841 lb/in                 |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 300 cycles                            |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 0.74 N-m   6.55 in lb                 |
| Impact Test Method                | FOTP-25   IEC 60794-1 E4              |
| Strain                            | See long and short term tensile loads |
| Strain Test Method                | FOTP-33   IEC 60794-1 E1              |
| Twist                             | 10 cycles                             |
| Twist Test Method                 | FOTP-85   IEC 60794-1 E7              |
| Vertical Rise, maximum            | 500 m   1,640.42 ft                   |

### Optical Specifications

|            |   |
|------------|---|
| Fiber Type | OM5, LazrSPEED® wideband   OM5, LazrSPEED® wideband |
|------------|---|

### Environmental Specifications

|  |   |
|--|---|
| Installation temperature                     | 0 °C to +60 °C (+32 °F to +140 °F)                          |
| Operating Temperature                        | 0 °C to +70 °C (+32 °F to +158 °F)                          |
| Storage Temperature                          | -40 °C to +70 °C (-40 °F to +158 °F)                        |
| Cable Qualification Standards                | ANSI/ICEA S-83-596   Telcordia GR-409                       |
| EN50575 CPR Cable EuroClass Fire Performance | Dca   |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1a   |
| EN50575 CPR Cable EuroClass Droplets Rating  | d1  |
| EN50575 CPR Cable EuroClass Acidity Rating   | a1  |
| Environmental Space                          | Low Smoke Zero Halogen (LSZH)   Riser                       |
| Flame Test Listing                           | NEC OFNR-ST1 (ETL) and c(ETL)                               |
| Flame Test Method                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685 |

### Environmental Test Specifications

|                               |                                    |
|-------------------------------|------------------------------------|
| Heat Age                      | 0 °C to +85 °C (+32 °F to +185 °F) |
| Heat Age Test Method          | IEC 60794-1 F9                     |
| Low High Bend                 | 0 °C to +70 °C (+32 °F to +158 °F) |
| Low High Bend Test Method     | FOTP-37   IEC 60794-1 E11          |
| Temperature Cycle             | 0 °C to +70 °C (+32 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1 F1            |

### Packaging and Weights

|              |                          |
|--------------|--------------------------|
| Cable weight | 8.5 kg/km   5.712 lb/kft |
|--------------|--------------------------|

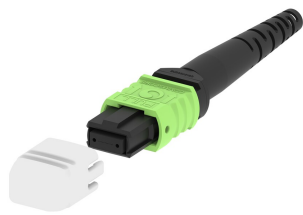
### Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| 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 |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



### \* Footnotes

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



MP012, LOW LOSS, FEMALE, OM5, LIME, 3mm

Product Classification

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

General Specifications

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

Dimensions

|                           |                    |
|---------------------------|--------------------|
| Length                    | 60.1 mm   2.366 in |
| Compatible Cable Diameter | 3 mm   0.118 in    |

Material Specifications

|                  |         |
|------------------|---------|
| Ferrule Material | Polymer |
|------------------|---------|

Mechanical Specifications

|                                   |                |
|-----------------------------------|----------------|
| Cable Retention Strength, maximum | 11.24 lb @ 0 ° |
|-----------------------------------|----------------|

Optical Specifications

|                                    |                  |
|------------------------------------|------------------|
| Fiber Mode                         | Multimode        |
| Fiber Type                         | OM5              |
| Insertion Loss Change, mating      | 0.3 dB           |
| Optical Components Standard        | ANSI/TIA-568-C.3 |
| Insertion Loss Change, temperature | 0.3 dB           |

|                         |         |
|-------------------------|---------|
| Insertion Loss, maximum | 0.25 dB |
| Return Loss, minimum    | 27 dB   |

Packaging and Weights

|                    |   |
|--------------------|---|
| Packaging quantity | 1 |
|--------------------|---|

Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| ISO 9001:2015 | 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) |