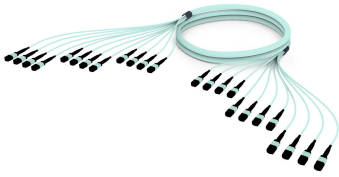


# FHZMPMXAM

## Base Product



OM3 MPO (Unpinned) to MPO (Pinned), InstaPATCH® 360 Armored Pre-terminated Trunk Cable, 144-Fiber, Plenum

### OBSOLETE

This product was discontinued on: **October 7, 2024**

#### Replaced By:

UHXMPMXCM

Ultra Low Loss (ULL), OM4 MPO (Unpinned) to MPO (Pinned), InstaPATCH® 360 Armored Pre-terminated Trunk Cable, 144-Fiber, Plenum

## Product Classification

### Regional Availability

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

### Portfolio

CommScope®

### Product Type

Fiber trunk cable assembly

### Product Brand

SYSTIMAX InstaPATCH® 360

### Ordering Note

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

# FHZMPMXAM

**Total Fibers, quantity** 144

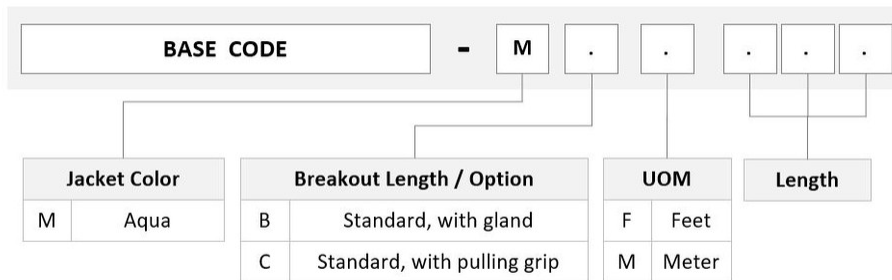
## Dimensions

**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** OM3, LazrSPEED®

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Indoor | Plenum

## 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   |

# FHZMPMXAM

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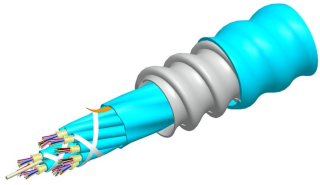
UK-ROHS

Compliant/Exempted



## Included Products

- |                                |   |   |
|--------------------------------|---|---|
| 760119768<br>P-144-MZ-5L-F12AQ | - | Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM3, 144 fiber multi-unit with 12 fiber subunits, gel-free, Feet jacket marking, Aqua jacket color |
| 860647047                      | - | MPO12, LOW LOSS, MALE, OM3/4, AQUA, 3mm   |
| 860647054                      | - | MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm   |



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM3, 144 fiber multi-unit with 12 fiber subunits, gel-free, Feet jacket marking, Aqua jacket color

## 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 indoor cable   |
| <b>Product Series</b>        | P-MZ   |

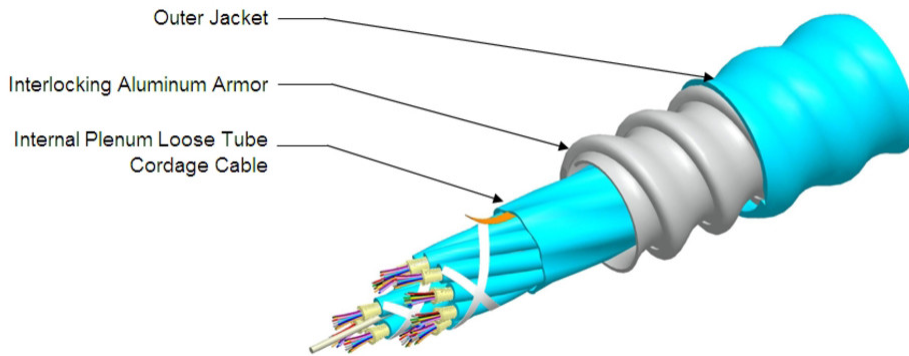
## General Specifications

|                                     |                       |
|-------------------------------------|-----------------------|
| <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>                 | Aqua                  |
| <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> | 3 mm   0.118 in     |
| <b>Diameter Over Armor</b>          | 20.96 mm   0.825 in |
| <b>Diameter Over Jacket</b>         | 23 mm   0.906 in    |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 345 mm   13.583 in                    |
| <b>Minimum Bend Radius, unloaded</b>     | 230 mm   9.055 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>                       | 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>            | 104 m   341.207 ft                    |

## Optical Specifications

|                   |   |
|-------------------|---|
| <b>Fiber Type</b> | OM3, LazrSPEED® 300   OM3, LazrSPEED® 300 |
|-------------------|---|

## Environmental Specifications

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Installation temperature</b> | 0 °C to +70 °C (+32 °F to +158 °F) |
|---------------------------------|------------------------------------|

# 760119768 | P-144-MZ-5L-F12AQ

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <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)  |
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-83-596   Telcordia GR-409 |
| <b>Environmental Space</b>           | Plenum                                |
| <b>Flame Test Listing</b>            | NEC OFCP (ETL) and c(ETL)             |
| <b>Flame Test Method</b>             | NFPA 130   NFPA 262                   |

## 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> | 392 kg/km   263.412 lb/kft |
|---------------------|----------------------------|

## 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  |

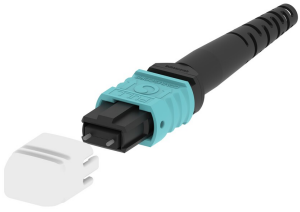


## \* Footnotes

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

# 860647047

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MPO12, LOW LOSS, MALE, OM3/4, AQUA, 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>             | Aqua         |
| <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>                         | OM3   OM4        |
| <b>Insertion Loss Change, mating</b>      | 0.2 dB           |
| <b>Optical Components Standard</b>        | ANSI/TIA-568-C.3 |
| <b>Insertion Loss Change, temperature</b> | 0.2 dB           |

# 860647047

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**Insertion Loss, maximum** 0.25 dB

**Return Loss, minimum** 27 dB

## 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

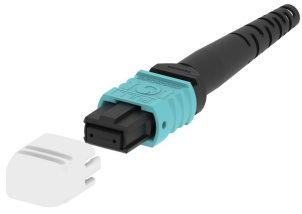
**Insertion Loss Change, mating** TIA-568: Maximum insertion loss change after 500 matings

**Insertion Loss Change, temperature** Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)



# 860647054

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MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 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>             | Aqua           |
| <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>                    | OM3   OM4        |
| <b>Insertion Loss Change, mating</b> | 0.2 dB           |
| <b>Optical Components Standard</b>   | ANSI/TIA-568-C.3 |

# 860647054

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|   |         |
|---|---------|
| <b>Insertion Loss Change, temperature</b> | 0.2 dB  |
| <b>Insertion Loss, maximum</b>            | 0.25 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>  |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## \* 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) |