## FHZMPMPAH

**Base Product** 



OM3 MPO (Unpinned) to MPO (Unpinned), InstaPATCH® 360 Armored Pre-terminated Trunk Cable, 48-Fiber, Plenum

#### OBSOLETE

 This product was discontinued on: October 7, 2024

 Replaced By:

 UHXMPMPCH
 Ultra Low Loss (ULL), OM4 MPO (Unpinned) to MPO (Unpinned), InstaPATCH® 360 Armored Preterminated Trunk Cable, 48-Fiber, Plenum

#### Product Classification

| Regional Availability | Asia   Australia/New Zealand   China   Europe   India   Latin<br>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**

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

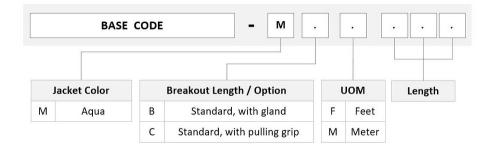
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## FHZMPMPAH

| 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, maximum11.24 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    | 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 www.commscope.com/ProductCompliance          |
| ROHS          | Compliant  |

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## FHZMPMPAH

UK-ROHS

Compliant



LL

## Included Products

760119743 P-048-MZ-5L-F12AQ Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM3, 48 fiber multi-unit with 12 fiber subunits, gel-free, Feet jacket marking, Aqua jacket color

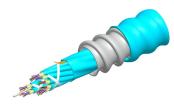
860647054

MP012, LOW LOSS, FEMALE, 0M3/4, AQUA, 3mm

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# 760119743 | P-048-MZ-5L-F12AQ



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Multimode OM3, 48 fiber multiunit with 12 fiber subunits, gel-free, Feet jacket marking, Aqua jacket color

### Product Classification

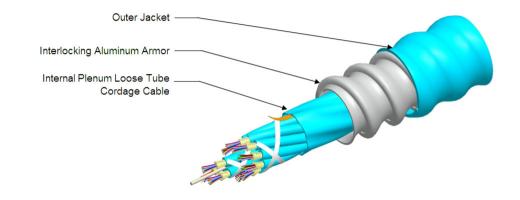
| Regional Availability        | Asia   Australia/New Zealand   Latin America   Middle East<br>/Africa   North America |
|------------------------------|---|
| Portfolio                    | CommScope®  |
| Product Type                 | Fiber indoor cable  |
| Product Series               | P-MZ  |
| General Specifications       |   |
| Armor Type                   | Interlocking aluminum   |
| Cable Type                   | MPO trunk cable   |
| Construction Type            | Armored   |
| Subunit Type                 | Gel-free  |
| Jacket Color                 | Aqua  |
| Jacket Marking               | Feet  |
| Subunit, quantity            | 4   |
| Fibers per Subunit, quantity | 12  |
| Total Fiber Count            | 48  |
| Dimensions                   |   |
| Buffer Tube/Subunit Diameter | 3 mm   0.118 in   |
| Diameter Over Armor          | 15.88 mm   0.625 in   |
| Diameter Over Jacket         | 17.9 mm   0.705 in  |
|                              |   |

### Representative Image

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# 760119743 | P-048-MZ-5L-F12AQ



#### Mechanical Specifications

| Minimum Bend Radius, loaded       | 269 mm   10.591 in                        |
|-----------------------------------|---|
| Minimum Bend Radius, unloaded     | 179 mm   7.047 in                         |
| Tensile Load, long term, maximum  | 800 N   179.847 lbf                       |
| Tensile Load, short term, maximum | 240 N   53.954 lbf                        |
| Compression                       | 85 N/mm   485.363 lb/in                   |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3                  |
| Flex                              | 300 cycles                                |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6                 |
| Impact                            | 35 N-m   309.776 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            | 159 m   521.654 ft                        |
| Optical Specifications            |   |
| Fiber Type                        | OM3, LazrSPEED® 300   OM3, LazrSPEED® 300 |

#### **Environmental Specifications**

Installation temperature

0 °C to +70 °C (+32 °F to +158 °F)

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# 760119743 | P-048-MZ-5L-F12AQ

| 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 |
| Environmental Space           | Plenum                                |
| Flame Test Listing            | NEC OFCP (ETL) and c(ETL)             |
| Flame Test Method             | NFPA 130   NFPA 262                   |

### 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

257 kg/km | 172.696 lb/kft

#### Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| 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 www.commscope.com/ProductCompliance          |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |
|               |  |



## \* Footnotes

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

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## 860647054



Product Classification

**Optical Components Standard** 

### MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

| Regional Availability             | Asia   Australia/New Zealand   EMEA   Latin America   North America |
|-----------------------------------|---|
| Portfolio                         | CommScope®  |
| Product Type                      | Fiber connector   |
| General Specifications            |   |
| Color                             | Aqua  |
| 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                        | OM3   OM4   |
| Insertion Loss Change, mating     | 0.2 dB  |

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ANSI/TIA-568-C.3



## 860647054

| Insertion Loss Change, temperature | 0.2 dB  |
|------------------------------------|---------|
| Insertion Loss, maximum            | 0.25 dB |
| Return Loss, minimum               | 27 dB   |

## Packaging and Weights

Packaging quantity

1

## Regulatory Compliance/Certifications

#### Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

### \* Footnotes

Agency

| 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) |

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