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 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 |

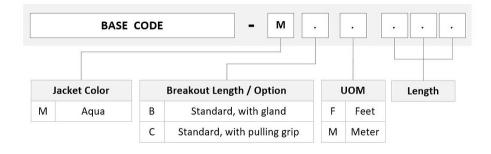
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| Total Fibers, quantity | 48 |
|----------------------------------|----------|
| Dimensions | |
| Breakout Length | 33 in |
| Cable Assembly Length Range (m) | 3 – 999 |
| Cable Assembly Length Range (ft) | 10 - 999 |

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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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

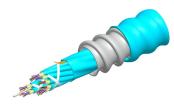
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MP012, LOW LOSS, FEMALE, 0M3/4, AQUA, 3mm

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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

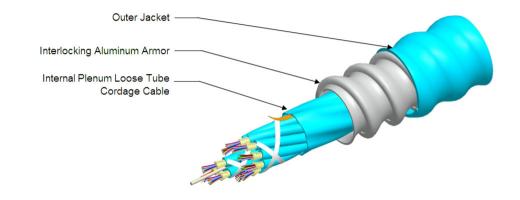
| Regional Availability | Asia Australia/New Zealand Latin America Middle East /Africa North America |
|------------------------------|---|
| Portfolio | CommScope® |
| Product Type | Fiber indoor cable |
| Product Series | P-MZ |
| General Specifications | |
| Armor Type | Interlocking aluminum |
| 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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| 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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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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