## **FHZMPMXAF**

#### **Base Product**



OM3 MPO (Unpinned) to MPO (Pinned), InstaPATCH® 360 Armored Preterminated Trunk Cable, 24-Fiber, Plenum

#### **OBSOLETE**

This product was discontinued on: October 7, 2024

Replaced By:

UHXMPMXCF Ultra Low Loss (ULL), OM4 MPO (Unpinned) to MPO (Pinned), InstaPATCH® 360 Armored Pre-

terminated Trunk Cable, 24-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 ABlackColor, connector AAquaColor, boot BBlackColor, connector BAqua

Construction Type Armored | Stranded

Furcation Color Aqua

 Interface, Connector A
 MPO-12/UPC Female

 Interface, Connector B
 MPO-12/UPC Male

Jacket Color Aqua

Polarity Method B (LL)

Fibers per Subunit, quantity 12

## **FHZMPMXAF**

Total Fibers, quantity 24

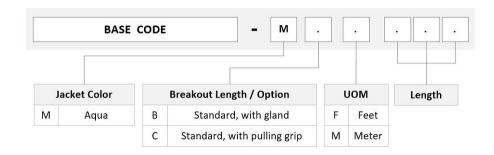
**Dimensions** 

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**  $-10 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (+14  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

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 www.commscope.com/ProductCompliance
ROHS	Compliant/Exempted

# **FHZMPMXAF**

**UK-ROHS** 

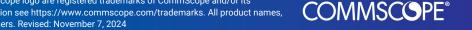
Compliant/Exempted



#### Included Products

Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with 760119735 P-024-MZ-5L-F12AQ plenum jacket, 24 fiber with 12 fiber subunits, Gel-free, Multimode OM3, Feet jacket marking, Aqua jacket color

860647047 MPO12, LOW LOSS, MALE, OM3/4, AQUA, 3mm MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm 860647054



# 760119735 | P-024-MZ-5L-F12AQ



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 24 fiber with 12 fiber subunits, Gel-free, Multimode OM3, Feet jacket marking, Aqua jacket color

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East

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/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 TypeArmoredSubunit TypeGel-freeJacket ColorAquaJacket MarkingFeet

Fibers per Subunit, quantity 12

Total Fiber Count 24

**Dimensions** 

Subunit, quantity

**Buffer Tube/Subunit Diameter** 3 mm | 0.118 in

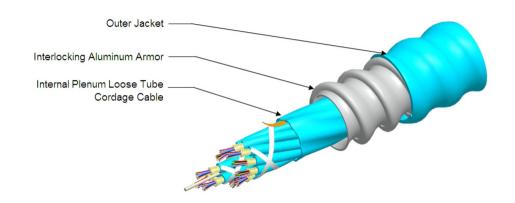
Diameter Over Armor 15.88 mm | 0.625 in

**Diameter Over Jacket** 17.9 mm | 0.705 in

Representative Image



# 760119735 | P-024-MZ-5L-F12AQ



#### Mechanical Specifications

Minimum Bend Radius, loaded269 mm10.591 inMinimum Bend Radius, unloaded179 mm7.047 inTensile Load, long term, maximum400 N | 89.924 lbf

Tensile Load, short term, maximum 1335 N | 300.12 lbf

 Compression
 85 N/mm | 485.363 lb/in

**Compression Test Method** FOTP-41 | IEC 60794-1 E3

Flex 300 cycles

FIex 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** 160 m | 524.934 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)

# 760119735 | P-024-MZ-5L-F12AQ

**Operating Temperature** 0 °C to +70 °C (+32 °F to +158 °F)

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-40  $^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

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** 256 kg/km | 172.024 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



#### \* Fnotnotes

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



## 860647047



#### MPO12, LOW LOSS, MALE, OM3/4, AQUA, 3mm

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio CommScope®

Product Type Fiber connector

General Specifications

ColorAquaColor, bootBlackFerrule GeometryFlat

Interface MPO/UPC Male

Interface Feature Pinned

**Total Fiber Count** 12

**Dimensions** 

Length60.1 mm | 2.366 inCompatible Cable Diameter3 mm | 0.118 in

Material Specifications

Ferrule Material Polymer

Mechanical Specifications

Cable Retention Strength, maximum 11.24 lb @ 0  $^{\circ}$ 

Optical Specifications

Fiber Mode Multimode
Fiber Type OM3 | OM4

Insertion Loss Change, mating 0.2 dB

Optical Components Standard ANSI/TIA-568-C.3

**Insertion Loss Change, temperature** 0.2 dB

## 860647047

Insertion Loss, maximum0.25 dBReturn Loss, minimum27 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)





#### MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

**Product Classification** 

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio CommScope®
Product Type Fiber connector

General Specifications

ColorAquaColor, bootBlackFerrule GeometryFlat

**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  $11.24 \text{ lb} @ 0 ^{\circ}$ 

**Optical Specifications** 

Fiber ModeMultimodeFiber TypeOM3 | OM4

**Insertion Loss Change, mating** 0.2 dB

Optical Components Standard ANSI/TIA-568-C.3

## 860647054

Insertion Loss Change, temperature0.2 dBInsertion Loss, maximum0.25 dBReturn Loss, minimum27 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)