## **FHWMPMPAF**

#### **Base Product**



Singlemode MPO (Unpinned) to MPO (Unpinned), 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 AGreenColor, boot BBlackColor, connector BGreen

Construction Type Armored | Stranded

Furcation Color Yellow

 Interface, Connector A
 MPO-12/APC Female

 Interface, Connector B
 MPO-12/APC Female

Jacket Color Yellow

Polarity Method B (LL)

Fibers per Subunit, quantity 12

Total Fibers, quantity 24

#### Dimensions

Breakout Length 33 in

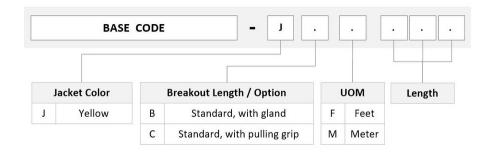
Cable Assembly Length Range (m) 3 - 999

Cable Assembly Length Range (ft) 10 - 999

COMMSC PE°

# **FHWMPMPAF**

## Ordering Tree



### Mechanical Specifications

Cable Retention Strength, maximum 11.24 lb @ 0 ° | 4.40 lb @ 90 °

**Optical Specifications** 

**Fiber Mode** Singlemode

**Fiber Type** G.652.D | G.657.A1, TeraSPEED®

## **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 UK-ROHS Compliant



## Included Products

760119529 - Fiber Indoor cable, TeraSPEED® Plenum MPO Trunk, interlocking aluminum armored with

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# **FHWMPMPAF**

P-024-MZ-8W-F12YL

plenum jacket, 24 fiber with 12 fiber subunits, Gel-free, Singlemode G.652.D and G.657.A1, Feet jacket marking, Yellow jacket color

860366137

– MPO12, LOW LOSS, FEMALE, Singlemode, GREEN, 3mm



# 760119529 | P-024-MZ-8W-F12YL



Fiber Indoor cable, TeraSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, 24 fiber with 12 fiber subunits, Gel-free, Singlemode G.652.D and G.657.A1, Feet jacket marking, Yellow 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 Yellow
Jacket Marking Feet
Subunit, quantity 2
Fibers per Subunit, quantity 12

Total Fiber Count

**Total Fiber Count** 24

**Dimensions** 

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

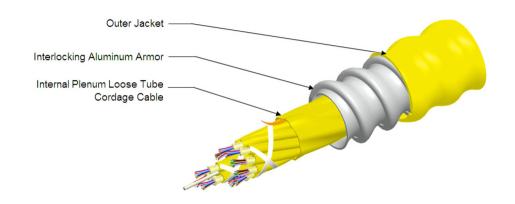
**Diameter Over Armor** 15.88 mm | 0.625 in

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

Representative Image



# 760119529 | P-024-MZ-8W-F12YL



## Mechanical Specifications

Minimum Bend Radius, loaded269 mm1 10.591 inMinimum Bend Radius, unloaded179 mm7.047 in

Tensile Load, long term, maximum  $400 \text{ N} \mid 89.924 \text{ lbf}$ Tensile Load, short term, maximum  $1335 \text{ N} \mid 300.12 \text{ lbf}$ 

**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** 160 m | 524.934 ft

**Optical Specifications** 

**Fiber Type** G.652.D and G.657.A1, TeraSPEED® | OS2 | OS2

**Environmental Specifications** 

**Installation temperature** 0 °C to +70 °C (+32 °F to +158 °F)

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# 760119529 | P-024-MZ-8W-F12YL

**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





### MPO12, LOW LOSS, FEMALE, Singlemode, GREEN, 3mm

### **Product Classification**

Regional Availability

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

 Portfolio
 CommScope®

 Product Type
 Fiber connector

 Product Brand
 TeraSPEED®

General Specifications

ColorGreenColor, bootBlackFerrule GeometryAngled

Interface MPO/APC 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 Mode** Singlemode

Fiber Type G.652.D and G.657.A1, TeraSPEED® | OS2

**Insertion Loss Change, mating** 0.3 dB

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

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# 860366137

Insertion Loss Change, temperature0.3 dBInsertion Loss, maximum0.67 dBReturn Loss, minimum55 dB

## Packaging and Weights

Packaging quantity 1

## Regulatory Compliance/Certifications

#### Agency Classification

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ROHS Compliant UK-ROHS Compliant



#### \* Footnotes

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

 $\textbf{Insertion Loss Change, temperature} \quad \text{Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)}$ 

