FGXMPMXAM

Base Product



OM4 MPO (Unpinned) to MPO (Pinned), InstaPATCH® 360 Preterminated 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

Color, boot ABlackColor, connector AAquaColor, boot BBlackColor, connector BAquaConstruction TypeStrandedFurcation ColorAqua

 Interface, Connector A
 MPO-12/UPC Female

 Interface, Connector B
 MPO-12/UPC Male

Jacket Color Agua

Polarity Method B (LL)

Fibers per Subunit, quantity 12

Total Fibers, quantity 144

Dimensions

Breakout Length 33 in

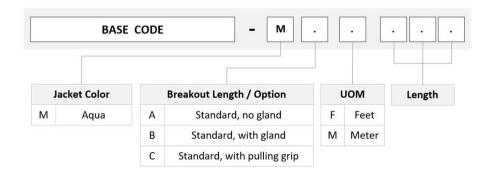
Cable Assembly Length Range (m) 3 - 999

Cable Assembly Length Range (ft) 10 - 999

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FGXMPMXAM

Ordering Tree



Mechanical Specifications

Cable Retention Strength, maximum $11.24 \text{ lb} @ 0 \degree | 4.40 \text{ lb} @ 90 \degree$

Optical Specifications

Fiber Mode Multimode

Fiber Type OM4, LazrSPEED®

Environmental Specifications

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

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

760242958 – Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits,

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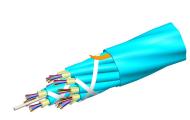
FGXMPMXAM

P-144-MP-5K-F12BL Multimode OM4, Gel-free, Feet jacket marking, Blue jacket color

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



760242958 | P-144-MP-5K-F12BL



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 144 fiber multi-unit with 12 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Blue 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-MP

General Specifications

 Cable Type
 MPO trunk cable

Construction Type Non-armored

Subunit Type Gel-free

Jacket Color Blue

Jacket Marking Feet

Subunit, quantity 12

Fibers per Subunit, quantity 12

Total Fiber Count 144

Dimensions

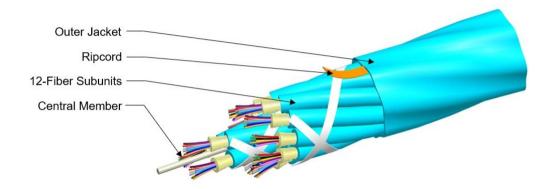
Buffer Tube/Subunit Diameter 3 mm | 0.118 in

Diameter Over Jacket 14.12 mm | 0.556 in

Representative Image



760242958 | P-144-MP-5K-F12BL



Mechanical Specifications

Minimum Bend Radius, loaded 197 mm | 7.756 in

Minimum Bend Radius, unloaded 131 mm | 5.157 in

Tensile Load, long term, maximum 400 N | 89.924 lbf

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

Compression 10 N/mm | 57.101 lb/in

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

Flex 300 cycles

FIEX Test Method FOTP-104 | IEC 60794-1 E6

Impact 0.74 N-m | 6.55 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 250 m | 820.21 ft

Optical Specifications

Fiber Type OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

Environmental Specifications

Installation temperature $0 \, ^{\circ}\text{C} \, \text{to} + 70 \, ^{\circ}\text{C} \, (+32 \, ^{\circ}\text{F} \, \text{to} + 158 \, ^{\circ}\text{F})$ Operating Temperature $0 \, ^{\circ}\text{C} \, \text{to} + 70 \, ^{\circ}\text{C} \, (+32 \, ^{\circ}\text{F} \, \text{to} + 158 \, ^{\circ}\text{F})$ Storage Temperature $-40 \, ^{\circ}\text{C} \, \text{to} + 70 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F} \, \text{to} + 158 \, ^{\circ}\text{F})$

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760242958 | P-144-MP-5K-F12BL

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

Environmental Space Plenum

Flame Test Listing

NEC OFNP (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 163 kg/km | 109.531 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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

* Footnotes

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 °

Optical Specifications

Fiber Mode Multimode

Fiber Type OM3 | OM4

Insertion Loss Change, mating 0.3 dB

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

Insertion Loss Change, temperature 0.3 dB

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860647047

Insertion Loss, maximum0.27 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, matingTIA-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

COMMSCOPE®

860647054

Insertion Loss Change, temperature0.2 dBInsertion Loss, maximum0.27 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, matingTIA-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)