A3XMXMPAD

Base Product



OM4 MPO12 (Pinned) to MPO12 (Unpinned), Fiber Trunk Cable Assembly, 12-Fiber, B2ca, Method A, Low Smoke Zero Halogen

This product will be discontinued on: April 30, 2024

Product Classification

Regional Availability Europe

Portfolio CommScope®

Product Type Fiber trunk cable assembly

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 Male

 Interface, Connector B
 MPO-12/UPC Female

Jacket Color Aqua

Polarity Method A

Fibers per Subunit, quantity 12

Total Fibers, quantity 12

Dimensions



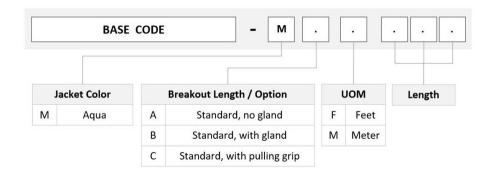
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A3XMXMPAD

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 $^{\circ}$ | 4.40 lb @ 90 $^{\circ}$

Optical Specifications

Fiber Mode Multimode

Fiber Type OM4, LazrSPEED®

Environmental Specifications

Operating Temperature -10 °C to +60 °C (+14 °F to +140 °F)

EN50575 CPR Cable EuroClass Fire Performance B2ca

Environmental Space Indoor | Low Smoke Zero Halogen (LSZH)

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
UK-ROHS	Compliant/Exempted



A3XMXMPAD





Included Products

760239372 N-012-MP-5K-F12AQ/B2

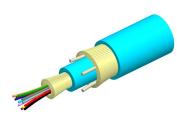
Gel-free, Multimode OM4, B2ca Flame Rating, Feet jacket marking, Aqua jacket color MPO12, ULTRA LOW LOSS, FEMALE, OM3/4, AQUA, 3mm 860366210

Fiber Indoor Cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 12 fiber,

MPO12, ULTRA LOW LOSS, MALE, OM3/4, AQUA, 3mm 860366228



760239372 | N-012-MP-5K-F12AQ/B2



Fiber Indoor Cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 12 fiber, Gel-free, Multimode OM4, B2ca Flame Rating, Feet jacket marking, Aqua jacket color

Product Classification

Regional AvailabilityAsia | EMEAPortfolioCommScope®

Product Type Fiber indoor cable

Product Series N-MP

General Specifications

 Cable Type
 MPO trunk cable

 Construction Type
 Non-armored

 Subunit Type
 Gel-free

 Jacket Color
 Aqua

 Jacket Marking
 Feet

Subunit, quantity

Total Fiber Count 12

Dimensions

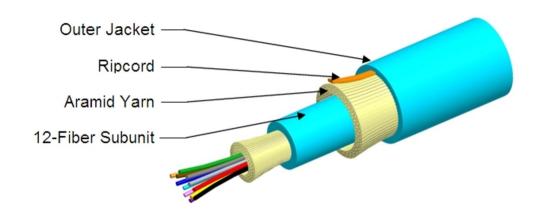
Buffer Tube/Subunit Diameter 3 mm | 0.118 in

Diameter Over Jacket 6.4 mm | 0.252 in

Representative Image



760239372 | N-012-MP-5K-F12AQ/B2



Mechanical Specifications

Minimum Bend Radius, loaded 96 mm | 3.78 in

Minimum Bend Radius, unloaded 64 mm | 2.52 in

Tensile Load, long term, maximum 200 N | 44.962 lbf

Tensile Load, short term, maximum 667 N | 149.948 lbf

Compression 10 N/mm | 57.101 lb/in

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

Flex 25 cycles

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

Impact 2.94 N-m | 26.021 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 467 m | 1,532.152 ft

Optical Specifications

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

Environmental Specifications

Installation temperature 0 °C to +50 °C (+32 °F to +122 °F)

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760239372 | N-012-MP-5K-F12AQ/B2

Operating Temperature 0 °C to +60 °C (+32 °F to +140 °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

EN50575 CPR Cable EuroClass Fire PerformanceB2caEN50575 CPR Cable EuroClass Smoke Ratings1aEN50575 CPR Cable EuroClass Droplets Ratingd0EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Low Smoke Zero Halogen (LSZH)

Flame Test Method IEC 60754-2 | IEC 61034-2

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 $0 \,^{\circ}\text{C to } +70 \,^{\circ}\text{C (+32 °F to } +158 \,^{\circ}\text{F)}$

Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight 44 kg/km | 29.567 lb/kft

Regulatory Compliance/Certifications

Agency Classification

CENELEC EN 50575 compliant, Declaration of Performance (DoP) available

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

COMMSC PE°



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

Product Classification

Regional Availability

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

PortfolioCommScope®Product TypeFiber connectorProduct BrandLazrSPEED®

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 Mode Multimode
Fiber Type OM3 | OM4

Insertion Loss Change, mating 0.3 dB

COMMSCOPE®

860366210

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

Insertion Loss Change, temperature0.3 dBInsertion Loss, maximum0.2 dBReturn Loss, minimum27 dB

Packaging and Weights

Packaging quantity

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

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)



860366228



MPO12, ULTRA 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

 Product Brand
 LazrSPEED®

General Specifications

ColorAquaColor, bootBlackFerrule GeometryFlat

Interface MPO/UPC Male

Interface FeaturePinnedTotal Fiber Count12

Dimensions

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

Material Specifications

Ferrule Material Polymer

Mechanical Specifications

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

Optical Specifications

Fiber ModeMultimodeFiber TypeOM3 | OM4

Insertion Loss Change, mating 0.3 dB

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

COMMSCOPE®

860366228

Insertion Loss Change, temperature0.3 dBInsertion Loss, maximum0.2 dBReturn Loss, minimum27 dB

Packaging and Weights

Packaging quantity 1

Regulatory Compliance/Certifications

Agency Classification

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 UK-ROHS Compliant/Exempted



* 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)

