AGXMPMXCH

Base Product



Ultra Low Loss ULL LazrSPEED® 550 MPO(Unpinned) to MPO(Pinned) Pre-terminated Trunk Cable, MPO12, 48-Fiber, Plenum, 12 fiber PmP 2.0 mm Dca, Method A

Product Classification

Regional Availability

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

East/Africa | North America

Portfolio CommScope®

Product Type Fiber trunk cable assembly

Ordering Note For additional jacket colors, please contact a CommScope Sales

Representative | 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 ABlackColor, boot BBlackColor, connector BBlackConstruction TypeStranded

Furcation Color Aqua

 Interface, Connector A
 MPO-12/UPC Female

 Interface, Connector B
 MPO-12/UPC Male

Jacket Color Agua

Polarity Method A

Fibers per Subunit, quantity 12

Total Fibers, quantity 48

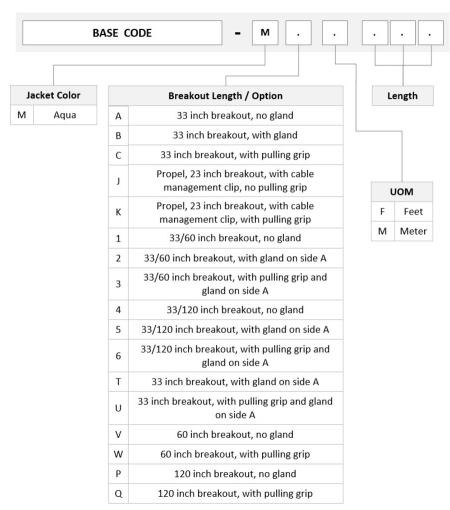
Dimensions

Breakout Length33 inCable Assembly Length Range (m)3 - 999Cable Assembly Length Range (ft)10 - 999



AGXMPMXCH

Ordering Tree



Optical Specifications

Fiber Mode Multimode

Fiber Type OM4, LazrSPEED®

Environmental Specifications

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

EN50575 CPR Cable EuroClass Fire Performance Dca

Environmental Space Indoor | Plenum

Regulatory Compliance/Certifications

COMMSC PE®

AGXMPMXCH

Classification Agency

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



Included Products

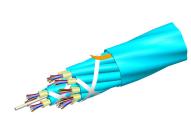
Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 48 fiber multi-unit with 12 fiber subunits, 760242118 P-048-MP-5K-F12AQ/20T

Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color

MPO12, ULL, MALE, OM3/4, AQUA, 2MM 860659006

MPO12, ULL, FEMALE, OM3/4, AQUA, 2MM 860659012

760242118 | P-048-MP-5K-F12AQ/20T



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 48 fiber multi-unit with 12 fiber subunits, Multimode OM4, 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-MP

General Specifications

Cable TypeMPO trunk cable

Construction Type Non-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 Diameter2 mm | 0.079 inDiameter Over Jacket7.7 mm | 0.303 in

Representative Image



760242118 | P-048-MP-5K-F12AQ/20T



Mechanical Specifications

Minimum Bend Radius, loaded 116 mm | 4.567 in

Minimum Bend Radius, unloaded 77 mm | 3.031 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 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 316 m | 1,036.745 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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760242118 | P-048-MP-5K-F12AQ/20T

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

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

Packaging and Weights

Cable weight 65 kg/km | 43.678 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





MPO12, ULL, MALE, OM3/4, AQUA, 2MM

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 Feature Pinned

Total Fiber Count 12

Dimensions

Length 60.1 mm | 2.366 in Compatible Cable Diameter 2 mm | 0.079 in

Material Specifications

Ferrule Material Polymer

Mechanical Specifications

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

Optical Specifications

Fiber Mode Singlemode

Fiber Type OM3, LazrSPEED® | OM4, LazrSPEED®

Insertion Loss Change, mating 0.2 dB

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

COMMSCOPE®

 Insertion Loss, maximum
 0.2 dB

 Return Loss, minimum
 27 dB

Packaging and Weights

Packaging quantity 1

* Footnotes

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





MPO12, ULL, FEMALE, OM3/4, AQUA, 2MM

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 Female

Interface Feature Unpinned

Total Fiber Count 12

Dimensions

Length 60.1 mm | 2.366 in Compatible Cable Diameter 2 mm | 0.079 in

Material Specifications

Ferrule Material Polymer

Mechanical Specifications

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

Optical Specifications

Fiber Mode Singlemode

Fiber Type OM3, LazrSPEED® | OM4, LazrSPEED®

Insertion Loss Change, mating 0.2 dB

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

COMMSCOPE®

 Insertion Loss, maximum
 0.2 dB

 Return Loss, minimum
 27 dB

Packaging and Weights

Packaging quantity 1

* Footnotes

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

