

OM4 MPO (Female) to MPO (Female), InstaPATCH® 360 Pre-terminated Trunk Cable, 48-Fiber, Low Smoke Zero Halogen

Product Classification

Regional Availability	Asia Australia/New Zealand Europe 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 Not available in the United States or Canada

General Specifications

Color, boot A	Black
Color, boot B	Black
Color, connector A	Aqua
Color, connector B	Aqua
Construction Type	Stranded
Fibers per Subunit, quantity	12
Furcation Color	Aqua
Interface, Connector A	MPO-12/UPC
Interface, Connector B	MPO-12/UPC
Jacket Color	Aqua
Total Fibers, quantity	48

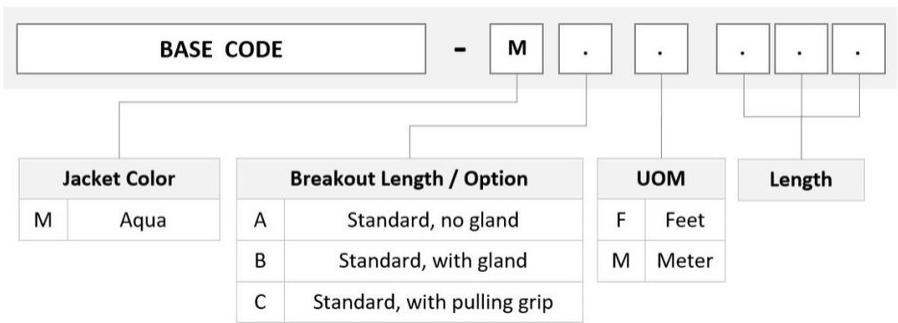
Dimensions

Breakout Length	33 in
Cable Assembly Length, minimum (ft)	10
Cable Assembly Length, maximum (ft)	999

FJXMPMPAH

Cable Assembly Length, minimum (m)	3
Cable Assembly Length, maximum (m)	999

Ordering Tree



Mechanical Specifications

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

Fiber Mode	Multimode
Fiber Type	OM4, LazrSPEED®

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Environmental Space	Dual Rated LSZH/Riser

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

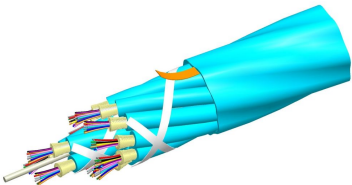


Included Products

FJXMPMPAH

760067496 — LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 48 fiber multi-unit with 12 fiber subunits
N-048-MP-5K-F12AQ/D

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



LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 48 fiber multi-unit with 12 fiber subunits

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber indoor cable

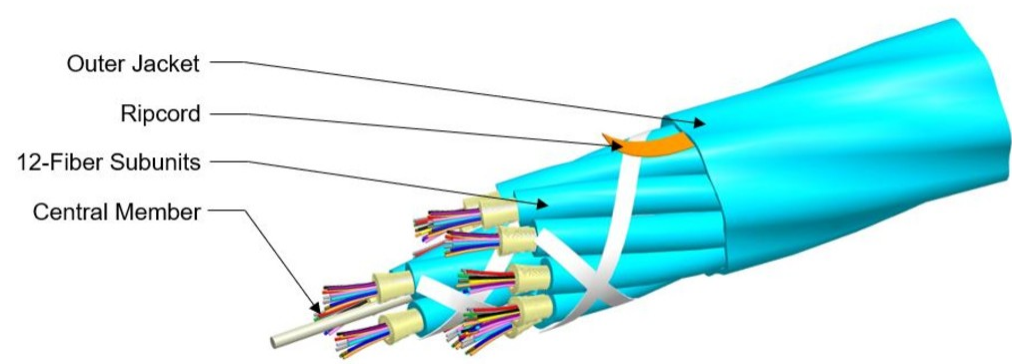
General Specifications

Cable Type	MPO trunk cable
Construction Type	Non-armored
Fiber Type, quantity	48
Fibers per Subunit, quantity	12
Jacket Color	Aqua
Subunit Type	Gel-free
Subunit, quantity	4
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	3 mm 0.118 in
Diameter Over Jacket	9.2 mm 0.362 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	138 mm 5.433 in
Minimum Bend Radius, unloaded	92 mm 3.622 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
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	5.88 N-m 52.042 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	500 m 1,640.42 ft

Optical Specifications

Fiber Type	OM4, LazrSPEED® 550 OM4, LazrSPEED® 550
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Environmental Specifications

Installation temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

Cable Qualification Standards

ANSI/ICEA S-83-596 | Telcordia GR-409

EN50575 CPR Cable EuroClass Fire Performance

Dca

EN50575 CPR Cable EuroClass Smoke Rating

s2

EN50575 CPR Cable EuroClass Droplets Rating

d1

EN50575 CPR Cable EuroClass Acidity Rating

a1

Environmental Space

Low Smoke Zero Halogen (LSZH) | Riser

Flame Test Listing

NEC OFNR-LS (ETL) and c(ETL)

Flame Test Method

IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | IEEE 383 | UL 1666 | UL 1685

Environmental Test Specifications

Heat Age

-20 °C to +85 °C (-4 °F to +185 °F)

Heat Age Test Method

IEC 60794-1 F9

Low High Bend

-20 °C to +70 °C (-4 °F to +158 °F)

Low High Bend Test Method

FOTP-37 | IEC 60794-1 E11

Temperature Cycle

-20 °C to +70 °C (-4 °F to +158 °F)

Temperature Cycle Test Method

FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight

72 kg/km | 48.382 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



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

MP012, 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

Body Style	12-fiber
Color	Aqua
Color, boot	Black
Ferrule Geometry	Flat
Interface	MPO Female
Interface Feature	Standard

Dimensions

Length	60.1 mm 2.366 in
Compatible Cable Diameter	3 mm 0.118 in

Material Specifications

Ferrule Material	Polymer
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Mechanical Specifications

Cable Retention Strength, maximum	11.24 lb @ 0 °
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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
Insertion Loss, maximum	0.25 dB
Return Loss, minimum	27 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)