FKXMPMPAK

Base Product



OM4 MPO (Unpinned) to MPO (Unpinned), InstaPATCH® 360 Armored Pre-terminated Trunk Cable, 72-Fiber, Low Smoke Zero Halogen

Product Classification

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

General Specifications

Cable Assembly Length Range (ft)

Color, boot ABlackColor, connector AAquaColor, boot BBlackColor, connector BAquaConstruction TypeArmored StrandedFurcation ColorAquaInterface, Connector AMPO-12/UPC FemaleInterface, Connector BMPO-12/UPC FemaleJacket ColorAquaPolarityMethod B(LL)Fibers per Subunit, quantity12Total Fibers, quantity12DimensionsSinaFreakout Length3inaStabel Length3:99		
Color, boot BBiackColor, connector BAquaConstruction TypeArmored StrandedFurcation ColorAquaInterface, Connector AMPO-12/UPC FemaleInterface, Connector BAquaJacket ColorAquaPolarityMethod B (LL)Fibers per Subunit, quantity12Total Fibers, quantity72DimensionsSin	Color, boot A	Black
Color, connector BAquaConstruction TypeArmored StrandedFurcation ColorAquaInterface, Connector AMPO-12/UPC FemaleInterface, Connector BMPO-12/UPC FemaleJacket ColorAquaPolarityMethod B (LL)Fibers per Subunit, quantity12Total Fibers, quantity2DimensionsSin	Color, connector A	Aqua
Construction TypeArmored StrandedFurcation ColorAquaInterface, Connector AMPO-12/UPC FemaleInterface, Connector BMPO-12/UPC FemaleJacket ColorAquaPolarityAquaPolarityMethod B(LL)Fibers per Subunit, quantity12Total Fibers, quantity72Dimensions3in	Color, boot B	Black
Furcation ColorAquaInterface, Connector AMPO-12/UPC FemaleInterface, Connector BMPO-12/UPC FemaleJacket ColorAquaPolarityMethod B (LL)Fibers per Subunit, quantity12Total Fibers, quantity23Dimensions33 in	Color, connector B	Aqua
Interface, Connector AMPO-12/UPC FemaleInterface, Connector BMPO-12/UPC FemaleJacket ColorAquaPolarityAquaPolarityMethod B (LL)Fibers per Subunit, quantity12Total Fibers, quantity72DimensionsSin (Sin (Sin (Sin (Sin (Sin (Sin (Sin (Construction Type	Armored Stranded
Interface, Connector BMPO-12/UPC FemaleJacket ColorAquaPolarityMethod B (LL)Fibers per Subunit, quantity12Total Fibers, quantity72DimensionsSaina Saina	Furcation Color	Aqua
Jacket ColorAquaPolarityMethod B(LL)Fibers per Subunit, quantity12Total Fibers, quantity72DimensionsSingle S(L)Breakout Length33 in	Interface, Connector A	MPO-12/UPC Female
PolarityMethod B (LL)Fibers per Subunit, quantity12Total Fibers, quantity72Dimensions33 in	Interface, Connector B	MPO-12/UPC Female
Fibers per Subunit, quantity12Total Fibers, quantity72Dimensions33 in	Jacket Color	Aqua
Total Fibers, quantity72Dimensions33 in	Polarity	Method B (LL)
Dimensions Breakout Length 33 in	Fibers per Subunit, quantity	12
Breakout Length 33 in	Total Fibers, quantity	72
	Dimensions	
Cable Assembly Length Range (m)3 - 999	Breakout Length	33 in
	Cable Assembly Length Range (m)	3 - 999

Page 1 of 8

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 12, 2024

10 - 999



FKXMPMPAK

Ordering Tree

	BASE	CODE	M			
Ja	cket Color		Breakout Length / Option	[[[MOL	Length
м	Aqua	В	Standard, with gland	F	Feet	
		С	Standard, with pulling grip	М	Meter	

Mechanical Specifications

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

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 Indoor

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

Included Products

760120089

ANATEL

Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored,

Page 2 of 8

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 12, 2024



FKXMPMPAK

N-072-MZ-5K-F12AQMultimode OM4, 72 fiber multi-unit with 12 fiber subunits, Gel-free, Feet jacket marking, Aqua
jacket color860647054-MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

Page 3 of 8

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 12, 2024



760120089 | N-072-MZ-5K-F12AQ



Fiber indoor cable, LazrSPEED® Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, Multimode OM4, 72 fiber multi-unit with 12 fiber subunits, Gel-free, Feet jacket marking, Aqua jacket color

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-MZ
General Specifications	
Armor Type	Interlocking aluminum
Cable Type	MPO trunk cable
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Aqua
Jacket Marking	Feet
Subunit, quantity	6
Fibers per Subunit, quantity	12
Total Fiber Count	72
Dimensions	
Buffer Tube/Subunit Diameter	3 mm 0.118 in
Diameter Over Armor	17.15 mm 0.675 in
Diameter Over Jacket	19.2 mm 0.756 in

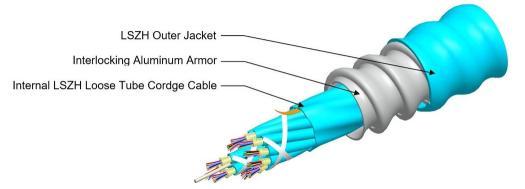
Representative Image

Page 4 of 8

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 3, 2024



760120089 | N-072-MZ-5K-F12AQ



Mechanical Specifications

Minimum Bend Radius, loaded	288 mm 11.339 in
Minimum Bend Radius, unloaded	192 mm 7.559 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1335 N 300.12 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	140 m 459.318 ft
Optical Specifications	

Fiber Type

OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

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)

Page 5 of 8

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 3, 2024



760120089 | N-072-MZ-5K-F12AQ

Cable Qualification Standards	ANSI/ICEA S-83-596 Telcordia GR-409
Environmental Space	Low Smoke Zero Halogen (LSZH) Riser
Flame Test Listing	NEC OFCR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 60332-3 IEC 60754-2 IEC 61034-2 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

292 kg/km | 196.215 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

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 3, 2024



860647054



Product Classification

Optical Components Standard

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

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber connector
General Specifications	
Color	Aqua
Color, boot	Black
Ferrule Geometry	Flat
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 lb @ 0 °
Optical Specifications	
Fiber Mode	Multimode
Fiber Type	OM3 OM4
Insertion Loss Change, mating	0.2 dB

Page 7 of 8

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 4, 2024

ANSI/TIA-568-C.3



860647054

Insertion Loss Change, temperature	0.2 dB
Insertion Loss, maximum	0.27 dB
Return Loss, minimum	27 dB

Packaging and Weights

Packaging quantity

1

Regulatory Compliance/Certifications

Classification

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

* Footnotes

Agency

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)

Page 8 of 8

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 4, 2024

