## F3ZMPMXAM

**Base Product** 



OM3 MPO (Unpinned) to MPO (Pinned), InstaPATCH® 360 Preterminated Trunk Cable, 144-Fiber, Low Smoke Zero Halogen B2ca

#### OBSOLETE

This product was discontinued on: October 7, 2024 Replaced By:

U3XMPMXCM Ultra L

Ultra Low Loss ULL LazrSPEED® 550 MPO(Unpinned) to MPO(Pinned) Pre-terminated Trunk Cable, MPO12, 144-Fiber, LSZH, 12 fiber PmP 2.0 mm /B2ca

### Product Classification

Regional Availability	Europe
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, connector A	Aqua
Color, boot B	Black
Color, connector B	Aqua
Construction Type	Stranded
Furcation Color	Aqua
Interface, Connector A	MPO-12/UPC Female
Interface, Connector B	MPO-12/UPC Male
Jacket Color	Aqua
Polarity	Method B (LL)
Fibers per Subunit, quantity	12

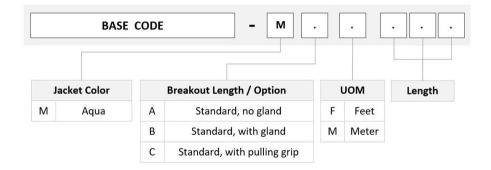
Page 1 of 10



## F3ZMPMXAM

Total Fibers, quantity	144	
Dimensions		
Breakout Length	33 in	
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 °	4.40 lb @ 90
-----------------------------------	----------------	--------------

## **Optical Specifications**

Fiber ModeMultimodeFiber TypeOM3, 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

Page 2 of 10



## F3ZMPMXAM

Compliant/Exempted

Compliant/Exempted

ROHS

UK-ROHS

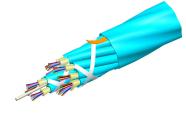
### Included Products

- Fiber Indoor Cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber, 12 fiber subnits, Multimode OM3, Gel-free, Feet jacket marking, Aqua jacket color, B2ca flame rating
- MP012, LOW LOSS, MALE, OM3/4, AQUA, 3mm
- MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

Page 3 of 10



# 760239598 | N-144-MP-5L-F12AQ/B2



Fiber Indoor Cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber, 12 fiber subnits, Multimode OM3, Gel-free, Feet jacket marking, Aqua jacket color, B2ca flame rating

#### Product Classification

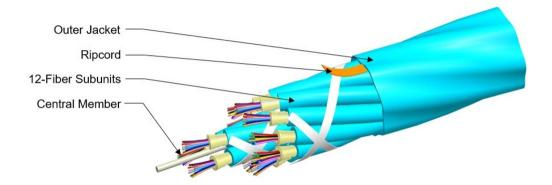
Regional Availability	Asia   EMEA
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-MP
General Specifications	
Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Aqua
Jacket Marking	Feet
Subunit, quantity	12
Total Fiber Count	144
Dimensions	
Buffer Tube/Subunit Diameter	3 mm   0.118 in
Diameter Over Jacket	15.32 mm   0.603 in

### Representative Image

Page 4 of 10



## 760239598 | N-144-MP-5L-F12AQ/B2



## Mechanical Specifications

Minimum Bend Radius, loaded	221 mm   8.701 in
Minimum Bend Radius, unloaded	147 mm   5.787 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	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	217 m   711.942 ft
Optical Specifications	
Fiber Type	OM3, LazrSPEED® 300   OM3, LazrSPEED® 300

## **Environmental Specifications**

Installation temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

Page 5 of 10



# 760239598 | N-144-MP-5L-F12AQ/B2

Cable Qualification Standards	ANSI/ICEA S-83-596   Telcordia GR-409	
EN50575 CPR Cable EuroClass Fire Performance	B2ca	
EN50575 CPR Cable EuroClass Smoke Rating	s1a	
EN50575 CPR Cable EuroClass Droplets Rating	d0	
EN50575 CPR Cable EuroClass Acidity Rating	al	
Environmental Space	Low Smoke Zero Halogen (LSZH)	
Flame Test Method	IEC 60754-2   IEC 61034-2	

## Environmental Test Specifications

0 °C to +85 °C (+32 °F to +185 °F)
IEC 60794-1 F9
0 °C to +70 °C (+32 °F to +158 °F)
FOTP-37   IEC 60794-1 E11
0 °C to +70 °C (+32 °F to +158 °F)
FOTP-3   IEC 60794-1 F1

## Packaging and Weights

### 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

CENELEC

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

Page 6 of 10

©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: October 2, 2024

**COMMSCOPE**°



Product Classification

### MP012, LOW LOSS, MALE, OM3/4, AQUA, 3mm

	Asia   Australia/New Zealand   EMEA   Latin America   North America
Regional Availability	
Portfolio	CommScope®
Product Type	Fiber connector
General Specifications	
Color	Aqua
Color, boot	Black
Ferrule Geometry	Flat
Interface	MPO/UPC Male
Interface Feature	Pinned
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
Optical Components Standard	ANSI/TIA-568-C.3
Insertion Loss Change, temperature	0.2 dB

Page 7 of 10



Insertion Loss, maximum	0.25 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 10





Product Classification

**Optical Components Standard** 

### MP012, 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 9 of 10

©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: October 2, 2024

ANSI/TIA-568-C.3



Insertion Loss Change, temperature	0.2 dB
Insertion Loss, maximum	0.25 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 10 of 10

