# F3XMPMPAD

#### **Base Product**



#### OM4 MPO (Unpinned) to MPO (Unpinned), InstaPATCH® 360 Preterminated Trunk Cable, 12-Fiber, Low Smoke Zero Halogen 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 Female
Jacket Color	Aqua
Polarity	Method B (LL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	12
Dimensions	
Breakout Length	33 in
Cable Assembly Length Range (m)	3 – 999

Cable Assembly Length Range (ft)10 - 999

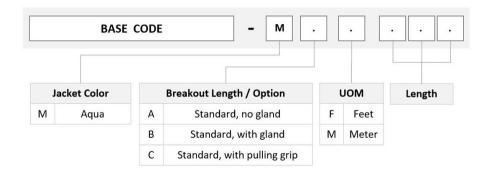
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# F3XMPMPAD

### Ordering Tree



### 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)	
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



#### Included Products

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## F3XMPMPAD

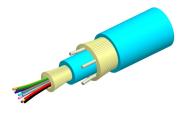
760239372 N-012-MP-5K-F12AQ/B2	-	Fiber Indoor Cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk Cable, 12 fiber, Gel-free, Multimode OM4, B2ca Flame Rating, Feet jacket marking, Aqua jacket color
860647054	-	MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

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# 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 Availability	Asia   EMEA	
Portfolio CommSco		
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	1	
Total Fiber Count	12	
Dimensions		
Buffer Tube/Subunit Diameter	3 mm   0.118 in	
Diameter Over Jacket	6.4 mm   0.252 in	

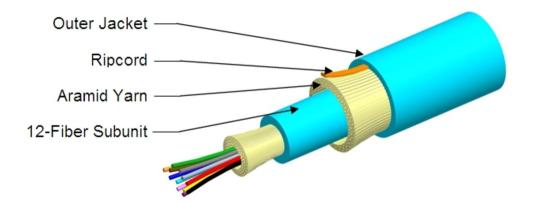
#### Representative Image

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# 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	

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 °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	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

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 °C to +70 °C (+32 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

#### Packaging and Weights

Cable weight

Agency

44 kg/km | 29.567 lb/kft

#### Regulatory Compliance/Certifications

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

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## 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

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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)

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