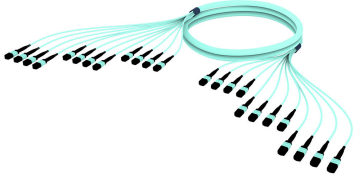


# AJXMXMXCM

## Base Product



Ultra Low Loss ULL LazrSPEED® 550 MPO(Pinned) to MPO(Pinned)  
Pre-terminated Trunk Cable, MPO12, 144-Fiber, LSZH, 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 A

Black

### Color, connector A

Black

### Color, boot B

Black

### Color, connector B

Black

### Construction Type

Stranded

### Furcation Color

Aqua

### Interface, Connector A

MPO-12/UPC Male

### Interface, Connector B

MPO-12/UPC Male

### Jacket Color

Aqua

### Polarity

Method A

### Fibers per Subunit, quantity

12

### Total Fibers, quantity

144

## Dimensions

### Breakout Length

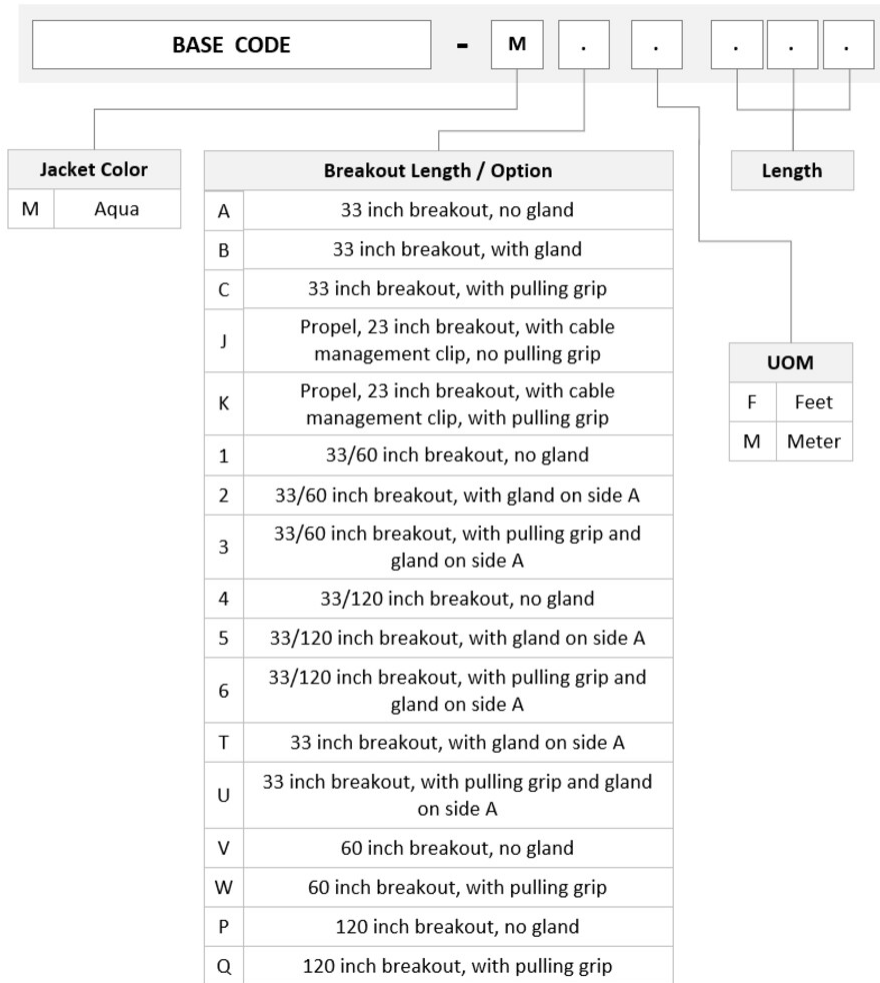
33 in

# AJXMXMXCM

**Cable Assembly Length Range (m)** 3 – 999

**Cable Assembly Length Range (ft)** 10 – 999

## Ordering Tree



## 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** Dca

## 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



## Included Products

- 760222869 N-144-MP-5K-F12AQ/20T/D – Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber multi-unit with 12 fiber 2.0mm subunits, Gel-free, Multimode OM4, Feet jacket marking, Aqua jacket color, Dca flame rating
- 860659006 – MPO12, ULL, MALE, OM3/4, AQUA, 2MM

# 760222869 | N-144-MP-5K-F12AQ/20T/D



Fiber indoor cable, LazrSPEED® Low Smoke Zero Halogen Riser MPO Trunk, 144 fiber multi-unit with 12 fiber 2.0mm subunits, Gel-free, Multimode OM4, Feet jacket marking, Aqua jacket color, Dca flame rating

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	N-MP

## General Specifications

<b>Cable Type</b>	MPO trunk cable
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Jacket Color</b>	Aqua
<b>Jacket Marking</b>	Feet
<b>Subunit, quantity</b>	12
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	144

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2 mm   0.079 in
<b>Diameter Over Jacket</b>	12.3 mm   0.484 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	185 mm   7.283 in
<b>Minimum Bend Radius, unloaded</b>	123 mm   4.843 in
<b>Tensile Load, long term, maximum</b>	200 N   44.962 lbf
<b>Tensile Load, short term, maximum</b>	667 N   149.948 lbf
<b>Compression</b>	10 N/mm   57.101 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	2.94 N-m   26.021 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	131 m   429.79 ft

## Optical Specifications

<b>Fiber Type</b>	OM4, LazrSPEED® 550   OM4, LazrSPEED® 550
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## Environmental Specifications

<b>Installation temperature</b>	0 °C to +60 °C (+32 °F to +140 °F)
<b>Operating Temperature</b>	0 °C to +70 °C (+32 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)

# 760222869 | N-144-MP-5K-F12AQ/20T/D

<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Dca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d1
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)   Riser
<b>Flame Test Listing</b>	NEC OFNR-ST1 (ETL) and c(ETL)
<b>Flame Test Method</b>	CSA FT4   IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685

## Environmental Test Specifications

<b>Heat Age</b>	0 °C to +85 °C (+32 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	0 °C to +60 °C (+32 °F to +140 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	0 °C to +70 °C (+32 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	149.3 kg/km   100.325 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



### \* Footnotes

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

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

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber connector
<b>Product Brand</b>	LazrSPEED®

## General Specifications

<b>Color</b>	Aqua
<b>Color, boot</b>	Black
<b>Ferrule Geometry</b>	Flat
<b>Interface</b>	MPO/UPC Male
<b>Interface Feature</b>	Pinned
<b>Total Fiber Count</b>	12

## Dimensions

<b>Length</b>	60.1 mm   2.366 in
<b>Compatible Cable Diameter</b>	2 mm   0.079 in

## Material Specifications

<b>Ferrule Material</b>	Polymer
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## Mechanical Specifications

<b>Cable Retention Strength, maximum</b>	11.24 lb @ 0 °
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## Optical Specifications

<b>Fiber Mode</b>	Singlemode
<b>Fiber Type</b>	OM3, LazrSPEED®   OM4, LazrSPEED®
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3

# 860659006

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**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