### UGXMPMPCH

#### **Base Product**



# Ultra Low Loss ULL LazrSPEED® 550 MPO(Unpinned) to MPO (Unpinned) Pre-terminated Trunk Cable, MPO12, 48-Fiber, Plenum, 12 fiber PmP 2.0 mm Dca

in meters | Minimum length may vary based on cable configuration

#### 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 ULL
Ordering Note	For additional jacket colors, please contact a CommScope Sales Representative   For lengths greater than 999 ft (304 m), orders must be

### 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 Female
Interface, Connector B	MPO-12/UPC Female
Jacket Color	Aqua
Polarity	Method B Enhanced (ULL)
Fibers per Subunit, quantity	12
Total Fibers, quantity	48
Dimensions	
Breakout Length	33 in
Cable Assembly Length Range (m)	3 – 999
Cable Assembly Length Range (ft)	10 – 999

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### UGXMPMPCH

### Ordering Tree

	E	BASE C	ODE - M			•
		1				
Jac	ket Color		Breakout Length / Option		L	ength
М	Aqua	А	33 inch breakout, no gland			
		В	33 inch breakout, with gland	L		
		С	33 inch breakout, with pulling grip			
		J	Propel, 23 inch breakout, with cable management clip, no pulling grip		ι	JOM
		к	Propel, 23 inch breakout, with cable management clip, with pulling grip		F	Feet
		1	33/60 inch breakout, no gland		М	Mete
		2	33/60 inch breakout, with gland on side A			
		3	33/60 inch breakout, with pulling grip and gland on side A			
		4	33/120 inch breakout, no gland			
		5	33/120 inch breakout, with gland on side A			
		6	33/120 inch breakout, with pulling grip and gland on side A			
		Т	33 inch breakout, with gland on side A			
		U	33 inch breakout, with pulling grip and gland on side A			
		V	60 inch breakout, no gland			
		w	60 inch breakout, with pulling grip			
		Р	120 inch breakout, no gland			
		Q	120 inch breakout, with pulling grip			

### Optical Specifications

Fiber Mode

Fiber Type

Multimode OM4, LazrSPEED®

### Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
EN50575 CPR Cable EuroClass Fire Performance	Dca
Environmental Space	Indoor   Plenum

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### UGXMPMPCH

### 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

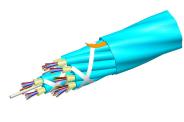
#### Included Products

760242118 P-048-MP-5K-F12AQ/20T	-	Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 48 fiber multi-unit with 12 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color
860659012	-	MP012, ULL, FEMALE, OM3/4, AQUA, 2MM

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### 760242118 | P-048-MP-5K-F12AQ/20T



Fiber indoor cable, LazrSPEED® Plenum MPO Trunk, 48 fiber multi-unit with 12 fiber subunits, Multimode OM4, Gel-free, Feet jacket marking, Aqua jacket color

### Product Classification

Regional Availability	Asia   Australia/New Zealand   Latin America   Middle East /Africa   North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	P-MP
General Specifications	
Cable Type	MPO trunk cable
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Aqua
Jacket Marking	Feet
Subunit, quantity	4
Fibers per Subunit, quantity	12
Total Fiber Count	48
Dimensions	
Buffer Tube/Subunit Diameter	2 mm   0.079 in
Diameter Over Jacket	7.7 mm   0.303 in

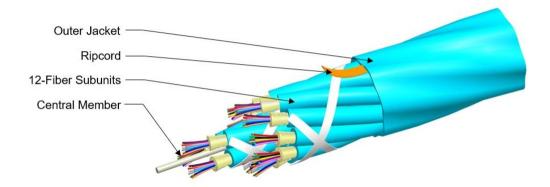
### Representative Image

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### 760242118 | P-048-MP-5K-F12AQ/20T



### Mechanical Specifications

Minimum Bend Radius, loaded	116 mm   4.567 in
Minimum Bend Radius, unloaded	77 mm   3.031 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	300 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	0.74 N-m   6.55 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	316 m   1,036.745 ft
Optical Specifications	
Fiber Type	OM4, LazrSPEED® 550   OM4, LazrSPEED® 550

### **Environmental Specifications**

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

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## 760242118 | P-048-MP-5K-F12AQ/20T

Cable Qualification Standards	ANSI/ICEA S-83-596   Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFNP (ETL) and c(ETL)
Flame Test Method	NFPA 130   NFPA 262

### 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

65 kg/km | 43.678 lb/kft

#### Regulatory Compliance/Certifications

Agency	Classification

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

#### \* Footnotes

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

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### 860659012



Product Classification

### MP012, ULL, FEMALE, OM3/4, AQUA, 2MM

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber connector
Product Brand	LazrSPEED®
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	2 mm   0.079 in
Material Specifications	
Ferrule Material	Polymer
Mechanical Specifications	
Cable Retention Strength, maximum	11.24 lb @ 0 °
Optical Specifications	
Fiber Mode	Singlemode
Fiber Type	OM3, LazrSPEED®   OM4, LazrSPEED®
Insertion Loss Change, mating	0.2 dB
Optical Components Standard	ANSI/TIA-568-C.3

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### 860659012

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

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