

# FGXMPMXAH

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LazrSPEED® 550 MPO (female) to MPO (male), InstaPATCH® 360 Pre-terminated Extension Cable, 48-Fiber, Plenum

## Product Classification

<b>Portfolio</b>	SYSTIMAX®
<b>Brand</b>	InstaPATCH® 360   LazrSPEED®
<b>Product Type</b>	Fiber extension cable assembly
<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America

## Construction Materials

<b>Fiber Type</b>	OM4, LazrSPEED® 550
<b>Total Fibers, quantity</b>	48
<b>Fibers per Subunit, quantity</b>	12
<b>Furcation Color</b>	Aqua

## Dimensions

<b>Breakout Length</b>	33 in
<b>Cord Length, maximum</b>	999 ft   999 m
<b>Cord Length, minimum</b>	10 ft   3 m
<b>Ordering Note</b>	For lengths greater than 999 ft (304 m), orders must be in meters   Minimum length may vary based on cable configuration

## Environmental Specifications

<b>Environmental Space</b>	Plenum
<b>Operating Temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)

## General Specifications

<b>Construction Type</b>	InstaPATCH® 360 trunk/extension/cross-connect, indoor
<b>Interface, connector A</b>	MPO-12/UPC Female
<b>Interface, connector B</b>	MPO-12/UPC Male
<b>Color, connector A</b>	Aqua
<b>Color, connector B</b>	Aqua

## Mechanical Specifications

<b>Cable Retention Strength, maximum</b>	11.24 lb @ 0 °   4.40 lb @ 90 °
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## Regulatory Compliance/Certifications

Agency	Classification
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RoHS 2011/65/EU  
ISO 9001:2015

Compliant  
Designed, manufactured and/or distributed under this quality management system



## Included Products

P-048-MP-5K-F12 (Product Component—not orderable) — LazrSPEED® Plenum MPO Trunk Cable, 48 fiber multi-unit with 12 fiber subunits

- CS-5K-MP (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

860366228 (Product Component—not orderable) — MPO12, ULTRA LOW LOSS, MALE, OM3/4, AQUA, 3mm

860647054 (Product Component—not orderable) — MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

# P-048-MP-5K-F12

LazrSPEED® Plenum MPO Trunk Cable, 48 fiber multi-unit with 12 fiber subunits

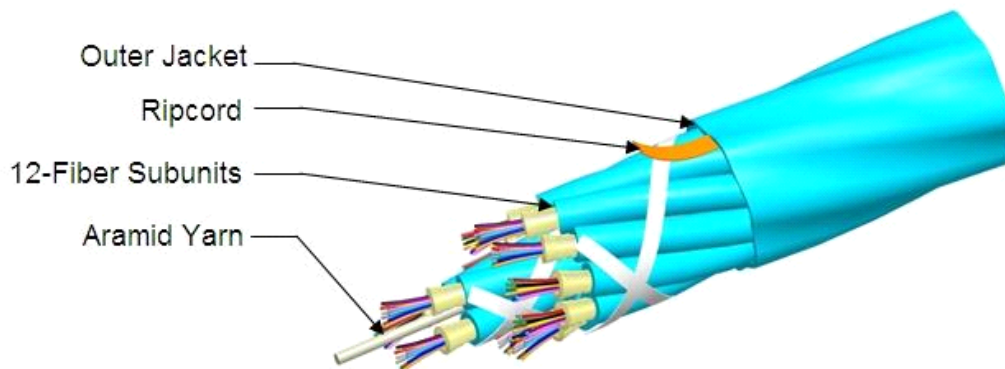
## Product Classification

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

## Standards And Qualifications

<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
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## Representative Image



## General Specifications

<b>Cable Type</b>	MPO trunk cable
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free

## Construction Materials

<b>Fiber Type Solution</b>	OM4, LazrSPEED® 550
<b>Total Fiber Count</b>	48
<b>Fiber Type</b>	OM4, LazrSPEED® 550
<b>Fiber Type, quantity</b>	48
<b>Fibers per Subunit, quantity</b>	12

## Dimensions

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<b>Buffer Tube/Subunit Diameter</b>	3.00 mm   0.12 in
<b>Cable Weight</b>	51.0 lb/kft   76.0 kg/km
<b>Diameter Over Jacket</b>	9.10 mm   0.36 in
<b>Subunit, quantity</b>	4

## Physical Specifications

<b>Minimum Bend Radius, loaded</b>	13.6 cm   5.4 in
<b>Minimum Bend Radius, unloaded</b>	9.1 cm   3.6 in
<b>Tensile Load, long term, maximum</b>	90 lbf   400 N
<b>Tensile Load, short term, maximum</b>	300 lbf   1335 N
<b>Vertical Rise, maximum</b>	500.0 m   1640.4 ft

## Flame Test Specifications

<b>Flame Test Listing</b>	NEC OFNP (ETL) and c(ETL)
<b>Flame Test Method</b>	NFPA 262

## Environmental Specifications

<b>Environmental Space</b>	Plenum
<b>Installation Temperature</b>	0 °C to +70 °C (+32 °F to +158 °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)

## Mechanical Test Specifications

<b>Compression</b>	10 N/mm   57 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	300 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	0.55 ft lb   0.74 N-m
<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

## 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 +70 °C (+32 °F to +158 °F)

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<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

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## Included Products

CS-5K-MP (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

## \* Footnotes

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

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

## Product Classification

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

## Construction Materials

<b>Fiber Type</b>	OM3   OM4
<b>Ferrule Geometry</b>	Flat
<b>Ferrule Material</b>	Polymer
<b>Fiber Mode</b>	Multimode

## Dimensions

<b>Compatible Cable Diameter</b>	3.0 mm   0.1 in
<b>Length</b>	60.10 mm   2.37 in

## General Specifications

<b>Interface</b>	MPO Female
<b>Body Style</b>	12-fiber
<b>Interface Feature</b>	Standard
<b>Color</b>	Aqua
<b>Color, boot</b>	Black
<b>Package Quantity</b>	1

## Mechanical Specifications

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

<b>Insertion Loss, maximum</b>	0.20 dB
<b>Return Loss, minimum</b>	27.0 dB

## Optical Specifications

<b>Optical Components Standard</b>	ANSI/TIA-568-C.3
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## Regulatory Compliance/Certifications

**Agency**

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ISO 9001:2015

**Classification**

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MPO12, ULTRA LOW LOSS, MALE, OM3/4, AQUA, 3mm

## Product Classification

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

## Construction Materials

<b>Fiber Type</b>	OM3   OM4
<b>Ferrule Geometry</b>	Flat
<b>Ferrule Material</b>	Polymer
<b>Fiber Mode</b>	Multimode

## Dimensions

<b>Compatible Cable Diameter</b>	3.0 mm   0.1 in
<b>Length</b>	60.10 mm   2.37 in

## General Specifications

<b>Interface</b>	MPO Male
<b>Body Style</b>	12-fiber
<b>Interface Feature</b>	Standard
<b>Color</b>	Aqua
<b>Color, boot</b>	Black
<b>Package Quantity</b>	1

## Mechanical Specifications

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

<b>Insertion Loss, maximum</b>	0.20 dB
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## Optical Specifications

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