

## 康普 360 预端接光纤系统常用产品规格书

COMMSCOPE®

# 光纤配线架产品系列

## G2 光纤模块

G2 ULL 光纤模块可以支持长距离更高速度的传输要求，帮助您满足当下超低损耗链路的损耗预算，并适用于“康普应用保证”。G2 ULL 模块在出厂前经过全面测试，可以达到多模 0.35 dB 插入损耗。



360DMis-12LC-LS



360DMis-12LC-SM



360DMis-12LCA-SM



360DMis-24LC-LS

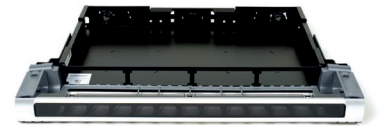
### G2 光纤模块 - 低损耗解决方案 极性 B

MPO12 - 12 芯			MPO12 - 24 芯	
	公共码	产品描述	公共码	产品描述
LC 多模 (OM3-OM4)	760224071	360DMis-12LC-LS	760206532	360DMis-24LC-LS
LC 多模ULL(OM3-OM4)	760245140	360DMis-12LC-LS-ULL	760245141	360DMis-24LC-LS-ULL
LC 多模 (OM5)	760224113	360DMis-12LC-WB	760217950	360DMis-24LC-WB
LC 单模 UPC	760224089	360DMis-12LC-SM	760206540	360DMis-24LC-SM
LC 单模 APC	760224238	360DMis-12LCA-SM	760206565	360DMis-24LCA-SM
SC 多模 (OM3-OM4)	760109967	360DM-12SC-LS	X	X
SC 单模 UPC	760109975	360DM-12SC-SM	X	X
SC 单模 APC	760109991	360DM-12SCA-SM	X	X

### SYSTIMAX 360 G2 配线架

订购信息		
公共码	说明	产品编号
<b>360G2 模块化光纤箱</b>		
760193763	360G2 1U 模块化盒式固定光纤箱，支持 4 个模块	360G2-1U-MOD-FX*
760193771	360G2 1U 模块化盒式滑动光纤箱，支持 4 个模块	360G2-1U-MOD-SD*
760193888	360G2 4U 模块化固定式光纤箱，支持 16 个模块	360G2-4U-MOD-FX-16

\* iPatch Ready



SYSTIMAX 360G2-1U 模块化光纤箱



SYSTIMAX 360G2-4U 模块化光纤箱

# LL 低损耗预端接主干光缆

## LL 低损耗预端接主干光缆

- 提供 LazrSPEED OM5、550 和 300 光纤解决方案
- 使用 12 芯 MPO 接头设计，使连接更简单
- 工厂预前端接和测试可立即实现现场连接，也为质量和性能提供了保障
- 专为方便管理而设计，保证了从传输到接收的连接
- 支持移动、添加和变更等重新配置操作，简便易行
- 可轻松升级至并行传输和相关应用，保护了初期投资



## LL 低损耗预端接主干光缆

1 F	2 G	3 X	4 M	5 P	6 M	7 P	8 A	9 D	10 -	11 M	12 B	13 F	14-16 010						
<b>光缆系列</b>		<b>光纤类型</b>		<b>接头 1</b>		<b>接头 2</b>		<b>光缆结构</b>		<b>光纤芯数</b>		<b>颜色</b>		<b>分支选项</b>		<b>单位</b>		<b>长度</b>	
FG 主干光缆, Plenum FH 主干光缆, Plenum Armored FJ 主干光缆, SZH FK 主干光缆, LSZH Armored		X LazrSPEED 550 多模 Z LazrSPEED 300 多模 V LazrSPEED OMS		MP MPO (母头)		MP MPO (母头) MX MPO (公头)		A 12 芯 PmP 光缆		D 12 芯光纤** F 24 芯光纤 G 36 芯光纤 H 48 芯光纤 K 72 芯光纤 L 96 芯光纤 M 144 芯光纤		M 水绿色 N 柠檬绿 · LazrSPEED 标准为水绿色 · LazrSPEED OMS 标准为柠檬绿		A 无格兰头 B 带格兰头 C 带牵引拉手		F 英尺 M 米		10-999 英尺 3-305 米	

# LL 低损耗阵列光缆

## LL LC 阵列光缆

使用 12 芯 MPO 接头设计，使连接更简单

阵列光缆光纤类型有 LazrSPEED OM5、550 或 300

工厂预先端接和测试可立即实现现场连接，也为质量和性能提供了保障

无需使用专用或非标准极性组件

MPO-LC / SC 阵列光缆使用了 1.6 毫米双芯套管，保证了出色的耐用性和可靠性

当光缆长度大于 10 英尺，扇出分支长度为 48 英寸；光缆长度 3-9 英尺，扇出长度为 24 英寸；

光缆长度为 2 英尺，扇出长度为 12 英寸。



<b>1</b> F	<b>2</b> Q	<b>3</b> X	<b>4</b> M	<b>5</b> P	<b>6</b> L	<b>7</b> C	<b>8</b> G	<b>9</b> D	<b>10</b> -	<b>11</b> M	<b>12</b> E	<b>13</b> F	<b>14-16</b> 010						
<b>光缆系列</b> FO Plenum 阵列跳线 FR LSZH 阵列跳线		<b>光纤类型</b> X LazrSPEED 550 多模 Z LazrSPEED 300 多模 V LazrSPEED OM5		<b>接头 1</b> MP MPO (母头) MX MPO (公头)		<b>接头 2</b> LC LC 标准型 SC SC 标准型		<b>光缆结构</b> G 12 芯 PmP 光缆		<b>光纤芯数</b> D 12 芯光纤		<b>颜色</b> M 水绿色 N 柠檬绿  LazrSPEED 标准为水绿色 LazrSPEED OM5 标准为柠檬绿		<b>分支长度</b> D 12 英寸扇出，无格兰头 E 24 英寸扇出，无格兰头 H 48 英寸扇出，无格兰头 L 72 英寸扇出，无格兰头 P 96 英寸扇出，无格兰头		<b>单位</b> F 英尺 M 米		<b>基于分支长度的订购长度</b> 12 英寸 2-999 英尺 24 英寸 4-999 英尺 48 英寸 6-999 英尺 72 英寸 8-999 英尺 96 英寸 10-999 英尺 24 英寸 1-305 米 48 英寸 2-305 米 72 英寸 3-305 米 96 英寸 4-305 米	

## LL MPO 阵列光缆

使用 12 芯 MPO 接头设计，连接更简单

阵列光缆光纤类型有 LazrSPEED 550 OM4 光纤

工厂预先端接和测试可立即实现现场连接，也为质量和性能提供了保障

MPO-MPO 阵列由 3.0 mm PmP 阵列光缆组成

阵列光缆可提供多种扇出长度

<b>1</b> F	<b>2</b> Q	<b>3</b> X	<b>4</b> M	<b>5</b> P	<b>6</b> M	<b>7</b> P	<b>8</b> H	<b>9</b> F	<b>10</b> -	<b>11</b> M	<b>12</b> E	<b>13</b> F	<b>14-16</b> 010						
<b>光缆系列</b> FO Plenum 阵列跳线 FR LSZH 阵列跳线		<b>光纤类型</b> X LazrSPEED 550 多模		<b>接头 1</b> MP MPO (母头) MX MPO (公头)		<b>接头 2</b> MP MPO (母头) MX MPO (公头)		<b>光缆结构</b> H 24 芯 PmP 光缆		<b>光纤芯数</b> F 24 芯光纤		<b>颜色</b> M 水绿色  LazrSPEED 标准为水绿色		<b>分支长度</b> D 12 英寸扇出，无格兰头 E 24 英寸扇出，无格兰头 H 48 英寸扇出，无格兰头 L 72 英寸扇出，无格兰头 P 96 英寸扇出，无格兰头		<b>单位</b> F 英尺 M 米		<b>长度</b> 010-999 英尺 003-305 米	

## LL MPO-12 阵列光缆

提供 LazrSPEED OM5、550 和 300 光纤解决方案

使用 12 芯 MPO 接头设计，使连接更简单

工厂预先端接和测试可立即实现现场连接，也为质量和性能提供了保障

<b>1</b> F	<b>2</b> Q	<b>3</b> X	<b>4</b> M	<b>5</b> X	<b>6</b> M	<b>7</b> X	<b>8</b> G	<b>9</b> D	<b>10</b> -	<b>11</b> M	<b>12</b> A	<b>13</b> F	<b>14-16</b> 010						
<b>光缆系列</b> FO Plenum 跳线 FR LSZH 跳线		<b>光纤类型</b> X LazrSPEED 550 多模 Z LazrSPEED 300 多模 V LazrSPEED OM5		<b>接头 1</b> MP 12f MPO (母头) MX 12f MPO (公头)		<b>接头 2</b> MP 12f MPO (母头) MX 12f MPO (公头)		<b>光缆结构</b> G 12 芯 PmP 光缆		<b>光纤芯数</b> D 12 芯光纤		<b>颜色</b> M 水绿色 N 柠檬绿  LazrSPEED 标准为水绿色 LazrSPEED OM5 标准为柠檬绿		<b>分支选项</b> A 无格兰头		<b>单位</b> F 英尺 M 米		<b>长度</b> 010-999 英尺 003-305 米	

# LL 低损耗光纤跳线

## LL LC 光纤跳线

采用 8 字型双工结构，可提高机械性能，降低损坏风险  
 坚固的 1.6 mm 线缆既耐用又容易操作  
 外护套用颜色标记，易于识别



<b>1</b> F	<b>2</b> D	<b>3</b> X	<b>4</b> L	<b>5</b> C	<b>6</b> L	<b>7</b> C	<b>8</b> 4	<b>9</b> 2	<b>10</b> -	<b>11</b> M	<b>12</b> X	<b>13</b> F	<b>14-16</b> 010			
<b>光缆系列</b> FD Plenum 跳线 FF LSZH 跳线		<b>光纤类型</b> X LazrSPEED 550多模 W TeraSPEED 单模 V LazrSPEED OMS		<b>接头1</b> LC LC 标准型 SC SC 标准型 LA LC / APC 型 SA SC / APC 型		<b>接头2</b> LC LC 标准型 SC SC 标准型 LA LC / APC 型 SA SC / APC 型		<b>光缆结构</b> 2 1.6mm, 单工 4 1.6mm, 双工		<b>光纤芯数</b> 1 1 芯光纤 2 2 芯光纤		<b>颜色</b> M 水绿色 N 柠檬绿 J 黄色  LazrSPEED OM4 标准为水绿色 LazrSPEED OMS 标准为柠檬绿 TeraSPEED 单模 标准为黄色		<b>分支选项</b> X 无分支	<b>单位</b> F 英尺 M 米	<b>长度</b> 2-200英尺 1-061米

# FGXMPMPAD

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LazrSPEED® 550 MPO (female) to MPO (female), InstaPATCH® 360 Pre-terminated Trunk Cable, 12-Fiber, Plenum

## Product Classification

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

## General Specifications

<b>Color, connector A</b>	Aqua
<b>Color, connector B</b>	Aqua
<b>Construction Type</b>	InstaPATCH® 360 trunk/extension/cross-connect, indoor
<b>Fibers per Subunit, quantity</b>	12
<b>Furcation Color</b>	Aqua
<b>Interface, Connector A</b>	MPO-12/UPC Female
<b>Interface, Connector B</b>	MPO-12/UPC Female
<b>Total Fibers, quantity</b>	12

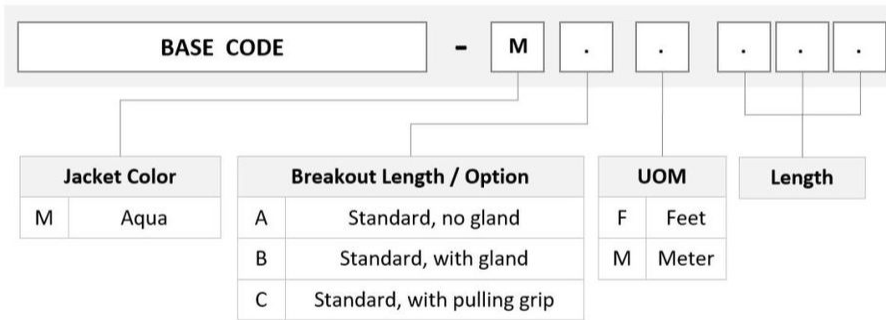
## Dimensions

<b>Breakout Length</b>	33 in
<b>Cable Assembly Length, minimum (ft)</b>	10
<b>Cable Assembly Length, maximum (ft)</b>	999
<b>Cable Assembly Length, minimum (m)</b>	3
<b>Cable Assembly Length, maximum (m)</b>	999

## Ordering Tree

# FGXMPMPAD

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## Mechanical Specifications

**Cable Retention Strength, maximum** 11.24 lb @ 0 ° | 4.40 lb @ 90 °

## Optical Specifications

**Fiber Type** OM4, LazrSPEED® 550

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Plenum

## Regulatory Compliance/Certifications

**Agency**                      **Classification**

# FGXMPMPAD

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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



## Included Products

**860647054** — MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

**P-012-MP-5K-F12** — LazrSPEED® Plenum MPO Trunk Cable, 12 fiber



# 860647054

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MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

## 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>Body Style</b>	12-fiber
<b>Color</b>	Aqua
<b>Color, boot</b>	Black
<b>Ferrule Geometry</b>	Flat
<b>Interface</b>	MPO Female
<b>Interface Feature</b>	Standard

## Dimensions

<b>Length</b>	60.1 mm   2.366 in
<b>Compatible Cable Diameter</b>	3 mm   0.118 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>	Multimode
<b>Fiber Type</b>	OM3   OM4
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.25 dB
<b>Return Loss, minimum</b>	27 dB

# 860647054

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## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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



## \* Footnotes

**Insertion Loss Change, mating** Maximum insertion loss change after 200 matings

**Insertion Loss Change, temperature** Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)

# P-012-MP-5K-F12

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LazrSPEED® Plenum MPO Trunk Cable, 12 fiber

## 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

## General Specifications

<b>Cable Type</b>	MPO trunk cable
<b>Construction Type</b>	Non-armored
<b>Fiber Type, quantity</b>	12
<b>Fibers per Subunit, quantity</b>	12
<b>Subunit Type</b>	Gel-free
<b>Subunit, quantity</b>	1
<b>Total Fiber Count</b>	12

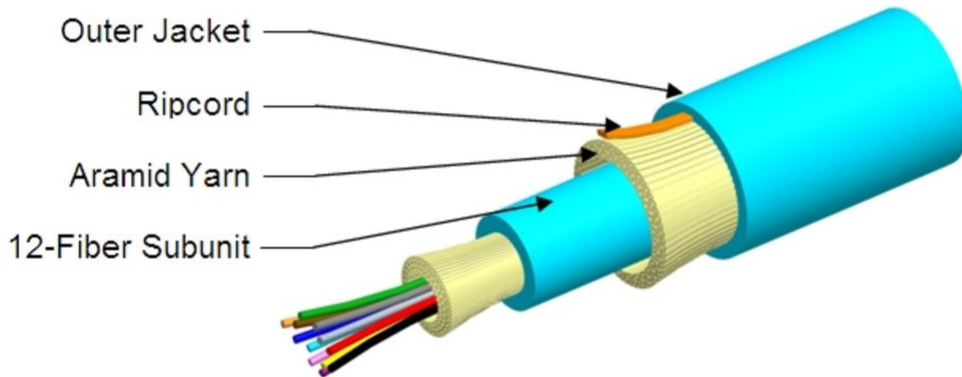
## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	3 mm   0.118 in
<b>Diameter Over Jacket</b>	4.9 mm   0.193 in

## Representative Image

# P-012-MP-5K-F12

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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	74 mm   2.913 in
<b>Minimum Bend Radius, unloaded</b>	49 mm   1.929 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   1.751 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>	0.74 N-m   6.55 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads

# P-012-MP-5K-F12

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<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>	500 m   1,640.42 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 +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)
<b>Cable Qualification Standards</b>	ANSI/CEA S-83-596   Telcordia GR-409
<b>Environmental Space</b>	Plenum
<b>Flame Test Listing</b>	NEC OFNP (ETL) and c(ETL)
<b>Flame Test Method</b>	NFPA 262

## 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)
<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>	23 kg/km   166.359 lb/kft
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## Regulatory Compliance/Certifications

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



# P-012-MP-5K-F12

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## Included Products

**CS-5K-MP** — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

## \* Footnotes

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

### LazrSPEED® 550

#### Product Classification

<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Optical fiber

#### General Specifications

<b>Cladding Diameter</b>	125 µm
<b>Cladding Diameter Tolerance</b>	±0.8 µm
<b>Cladding Non-Circularity, maximum</b>	1 %
<b>Coating Diameter (Colored)</b>	254 µm
<b>Coating Diameter (Uncolored)</b>	245 µm
<b>Coating Diameter Tolerance (Colored)</b>	±7 µm
<b>Coating Diameter Tolerance (Uncolored)</b>	±10 µm
<b>Coating/Cladding Concentricity Error, maximum</b>	12 µm
<b>Core Diameter</b>	50 µm
<b>Core Diameter Tolerance</b>	±2.5 µm
<b>Core/Clad Offset, maximum</b>	1.5 µm
<b>Proof Test</b>	100000 psi   689.476 N/mm <sup>2</sup>

#### Mechanical Specifications

<b>Macrobending, 15 mm mandrel, 2 turns</b>	0.20 dB @ 850 nm   0.50 dB @ 1,300 nm
<b>Macrobending, 30 mm mandrel, 2 turns</b>	0.10 dB @ 850 nm   0.30 dB @ 1,300 nm
<b>Coating Strip Force, maximum</b>	8.9 N   2.001 lbf
<b>Coating Strip Force, minimum</b>	1.3 N   0.292 lbf
<b>Dynamic Fatigue Parameter, minimum</b>	18

#### Optical Specifications

# CS-5K-MP

<b>Numerical Aperture</b>	0.2
<b>Numerical Aperture Tolerance</b>	±0.015
<b>Point Defects, maximum</b>	0.15 dB
<b>Zero Dispersion Slope, maximum</b>	0.105 ps/[km-nm-nm]
<b>Zero Dispersion Wavelength, maximum</b>	1316 nm
<b>Zero Dispersion Wavelength, minimum</b>	1297 nm

## Optical Specifications, Wavelength Specific

<b>1 Gbps Ethernet Distance</b>	1,110 m @ 850 nm   600 m @ 1,300 nm
<b>10 Gbps Ethernet Distance</b>	550 m @ 850 nm
<b>Attenuation, maximum</b>	1.00 dB/km @ 1,300 nm   3.00 dB/km @ 850 nm
<b>Backscatter Coefficient</b>	-68.0 dB @ 850 nm   -75.7 dB @ 1,300 nm
<b>Bandwidth, Laser, minimum</b>	4,700 MHz-km @ 850 nm   500 MHz-km @ 1,300 nm
<b>Bandwidth, OFL, minimum</b>	3,500 MHz-km @ 850 nm   500 MHz-km @ 1,300 nm
<b>Differential Mode Delay</b>	0.70 ps/m @ 850 nm   0.88 ps/m @ 1,300 nm
<b>Differential Mode Delay Note</b>	Superior to TIA-492AAAC and IEC 60793-2-10 at 850 nm
<b>Index of Refraction</b>	1.479 @ 1,300 nm   1.483 @ 850 nm
<b>Standards Compliance</b>	IEC 60793-2-10, type A1a.3a   IEC 60793-2-10, type A1a.3b   TIA-492AAAD (OM4)

## Environmental Specifications

<b>Heat Aging, maximum</b>	0.20 dB/km @ 85 °C
<b>Temperature Dependence, maximum</b>	0.1 dB/km
<b>Temperature Humidity Cycling, maximum</b>	0.2 dB/km
<b>Water Immersion, maximum</b>	0.20 dB/km @ 23 °C

## Regulatory Compliance/Certifications

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



## \* Footnotes

<b>Temperature Dependence, maximum</b>	Temperature dependence is conducted at -60 °C to +85 °C (-76 °F to +185 °F)
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# CS-5K-MP

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**Temperature Humidity Cycling, maximum** Temperature humidity cycling is conducted at -10 °C to +85 °C (+14 °F to +185 ° F) up to 95% relative humidity

# FGWMPMPAD

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TeraSPEED® MPO (female) to MPO (female), InstaPATCH® 360 Pre-terminated Trunk Cable, 12-Fiber, Plenum

## Product Classification

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

## General Specifications

<b>Color, connector A</b>	Green
<b>Color, connector B</b>	Green
<b>Construction Type</b>	InstaPATCH® 360 trunk/extension/cross-connect, indoor
<b>Fibers per Subunit, quantity</b>	12
<b>Furcation Color</b>	Yellow
<b>Interface, Connector A</b>	MPO-12/APC Female
<b>Interface, Connector B</b>	MPO-12/APC Female
<b>Total Fibers, quantity</b>	12

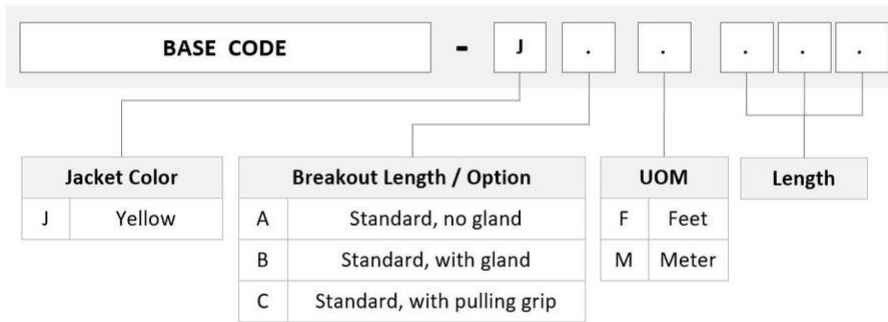
## Dimensions

<b>Breakout Length</b>	33 in
<b>Cable Assembly Length, minimum (ft)</b>	10
<b>Cable Assembly Length, maximum (ft)</b>	999
<b>Cable Assembly Length, minimum (m)</b>	3
<b>Cable Assembly Length, maximum (m)</b>	999

## Ordering Tree

# FGWMPMPAD

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## Mechanical Specifications

**Cable Retention Strength, maximum** 11.24 lb @ 0 ° | 4.40 lb @ 90 °

## Optical Specifications

**Fiber Type** G.652.D and G.657.A1 , TeraSPEED® | OS2

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Plenum

## Regulatory Compliance/Certifications

**Agency**                      **Classification**

# FGWMPMPAD

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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



## Included Products

- 860366137** — MPO12, STANDARD LOSS, FEMALE, SM, GREEN, 3mm
- P-012-MP-8W-F12** — TeraSPEED® Plenum MPO Trunk Cable, 12 fiber

# 860366137

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MPO12, STANDARD LOSS, FEMALE, SM, GREEN, 3mm

## 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>	TeraSPEED®

## General Specifications

<b>Body Style</b>	12-fiber
<b>Color</b>	Green
<b>Color, boot</b>	Black
<b>Ferrule Geometry</b>	Angled
<b>Interface</b>	MPO Female
<b>Interface Feature</b>	Standard

## Dimensions

<b>Length</b>	60.1 mm   2.366 in
<b>Compatible Cable Diameter</b>	3 mm   0.118 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>	G.652.D and G.657.A1 , TeraSPEED®   OS2
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.67 dB
<b>Return Loss, minimum</b>	55 dB

## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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



## \* Footnotes

**Insertion Loss Change, mating** Maximum insertion loss change after 200 matings

**Insertion Loss Change, temperature** Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)

# P-012-MP-8W-F12

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TeraSPEED® Plenum MPO Trunk Cable, 12 fiber

## 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

## General Specifications

<b>Cable Type</b>	MPO trunk cable
<b>Construction Type</b>	Non-armored
<b>Fiber Type, quantity</b>	12
<b>Fibers per Subunit, quantity</b>	12
<b>Subunit Type</b>	Gel-free
<b>Subunit, quantity</b>	1
<b>Total Fiber Count</b>	12

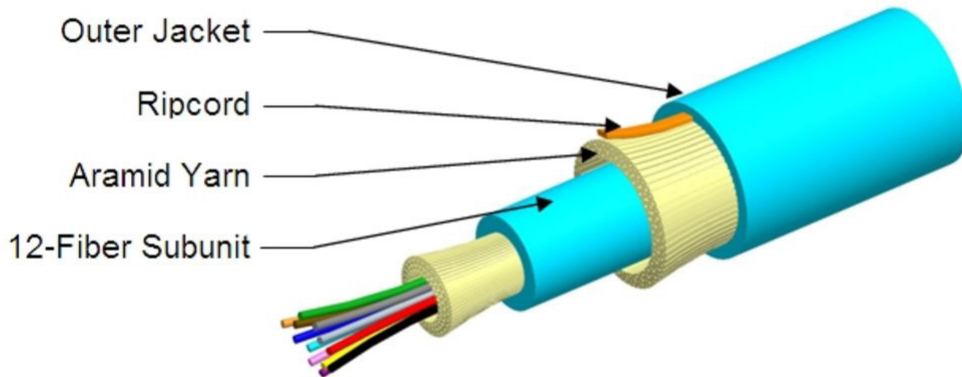
## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	3 mm   0.118 in
<b>Diameter Over Jacket</b>	4.9 mm   0.193 in

## Representative Image

# P-012-MP-8W-F12

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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	74 mm   2.913 in
<b>Minimum Bend Radius, unloaded</b>	49 mm   1.929 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   1.751 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>	0.74 N-m   6.55 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads



# P-012-MP-8W-F12

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<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>	500 m   1,640.42 ft

## Optical Specifications

<b>Fiber Type</b>	G.652.D and G.657.A1 , TeraSPEED®   G.652.D and G.657.A1, TeraSPEED®   OS2   OS2
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## Environmental Specifications

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

## 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)
<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>	23 kg/km   166.359 lb/kft
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## Regulatory Compliance/Certifications

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



# P-012-MP-8W-F12

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## \* Footnotes

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

# TeraSPEED®

### Product Classification

<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Optical fiber

### General Specifications

<b>Cladding Diameter</b>	125 µm
<b>Cladding Diameter Tolerance</b>	±0.7 µm
<b>Cladding Non-Circularity, maximum</b>	0.7 %
<b>Coating Diameter (Colored)</b>	253 µm
<b>Coating Diameter (Uncolored)</b>	240 µm
<b>Coating Diameter Tolerance (Colored)</b>	±7 µm
<b>Coating Diameter Tolerance (Uncolored)</b>	±5 µm
<b>Coating/Cladding Concentricity Error, maximum</b>	12 µm
<b>Core Diameter</b>	8.3
<b>Core/Clad Offset, maximum</b>	0.5 µm
<b>Proof Test</b>	100000 psi   689.476 N/mm <sup>2</sup>

### Dimensions

<b>Fiber Curl, minimum</b>	4 m   13.123 ft
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### Mechanical Specifications

<b>Macrobending, 20 mm mandrel, 1 turn</b>	0.75 dB @ 1,550 nm   1.50 dB @ 1,625 nm
<b>Macrobending, 30 mm mandrel, 10 turns</b>	0.25 dB @ 1,550 nm   1.00 dB @ 1,625 nm
<b>Macrobending, 50 mm mandrel, 100 turns</b>	0.03 dB @ 1,550 nm   0.03 dB @ 1,625 nm
<b>Coating Strip Force, maximum</b>	8.9 N   2.001 lbf
<b>Coating Strip Force, minimum</b>	1.3 N   0.292 lbf

# CS-8W-MP

**Dynamic Fatigue Parameter, minimum** 20

## Optical Specifications

**Cabled Cutoff Wavelength, maximum** 1260 nm

**Point Defects, maximum** 0.1 dB

**Zero Dispersion Slope, maximum** 0.09 ps/[km-nm-nm]

**Zero Dispersion Wavelength, maximum** 1322 nm

**Zero Dispersion Wavelength, minimum** 1302 nm

## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.40 dB/km @ 1,310 nm | 0.40 dB/km @ 1,385 nm | 0.30 dB/km @ 1,550 nm

**Backscatter Coefficient** -79.6 dB @ 1,310 nm | -82.1 dB @ 1,550 nm

**Dispersion, maximum** 18 ps(nm-km) at 1550 nm | 3.5 ps(nm-km) from 1285 nm to 1330 nm at 1310 nm

**Index of Refraction** 1.467 @ 1,310 nm | 1.468 @ 1,385 nm | 1.468 @ 1,550 nm

**Mode Field Diameter** 10.4  $\mu\text{m}$  @ 1,550 nm | 9.2  $\mu\text{m}$  @ 1,310 nm | 9.6  $\mu\text{m}$  @ 1,385 nm

**Mode Field Diameter Tolerance**  $\pm 0.3 \mu\text{m}$  @ 1310 nm |  $\pm 0.5 \mu\text{m}$  @ 1550 nm |  $\pm 0.6 \mu\text{m}$  @ 1385 nm

**Polarization Mode Dispersion Link Design Value, maximum** 0.04 ps/sqrt(km)

**Standards Compliance** ITU-T G.652.D | ITU-T G.657.A1 | TIA-492CAAB (OS2)

## Environmental Specifications

**Heat Aging, maximum** 0.05 dB/km @ 85 °C

**Temperature Dependence, maximum** 0.05 dB/km

**Temperature Humidity Cycling, maximum** 0.05 dB/km

**Water Immersion, maximum** 0.05 dB/km @ 23 °C

## Regulatory Compliance/Certifications

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



# CS-8W-MP

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## \* Footnotes

<b>Temperature Dependence, maximum</b>	Temperature dependence is conducted at -60 °C to +85 °C (-76 °F to +185 °F)
<b>Temperature Humidity Cycling, maximum</b>	Temperature humidity cycling is conducted at -10 °C to +85 °C (+14 °F to +185 °F) up to 95% relative humidity

# FRXMPMPGD

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LazrSPEED® 550 MPO (female) to MPO (female), InstaPATCH® 360 Array Cord, 12-Fiber, LSZH

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Fiber fanout cable assembly
<b>Product Brand</b>	InstaPATCH® 360   LazrSPEED®
<b>Ordering Note</b>	Minimum length may vary based on cable configuration   Not available in the United States or Canada

## General Specifications

<b>Color, connector A</b>	Aqua
<b>Color, connector B</b>	Aqua
<b>Construction Type</b>	InstaPATCH® 360 array cord
<b>Fibers per Subunit, quantity</b>	12
<b>Furcation Color</b>	Aqua
<b>Interface, Connector A</b>	MPO-12/UPC Female
<b>Interface, Connector B</b>	MPO-12/UPC Female
<b>Total Fibers, quantity</b>	12

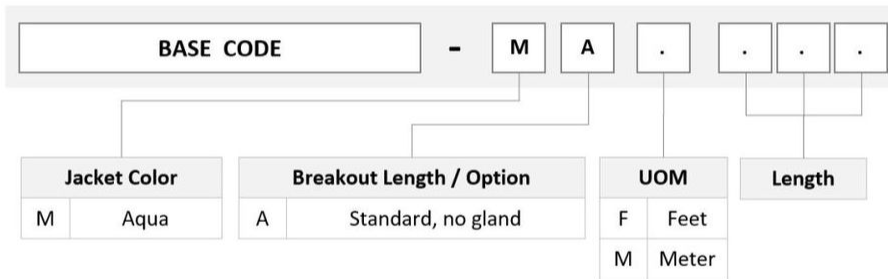
## Dimensions

<b>Cable Assembly Length, minimum (ft)</b>	2
<b>Cable Assembly Length, maximum (ft)</b>	999
<b>Cable Assembly Length, minimum (m)</b>	1
<b>Cable Assembly Length, maximum (m)</b>	61

## Ordering Tree

# FRXMPMPGD

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## Mechanical Specifications

**Cable Retention Strength, maximum** 11.24 lb @ 0 ° | 4.40 lb @ 90 °

## Optical Specifications

**Fiber Type** OM4, LazrSPEED® 550

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Low Smoke Zero Halogen (LSZH)

## Regulatory Compliance/Certifications

Agency	Classification
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# FRXMPMPGD

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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



## Included Products

860647054 — MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

N-012-MP-5K-F30 — LazrSPEED® Low Smoke Zero Halogen Riser Light Duty MPO Patchcord Cable, 12 fiber



# 860647054

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MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

## 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>Body Style</b>	12-fiber
<b>Color</b>	Aqua
<b>Color, boot</b>	Black
<b>Ferrule Geometry</b>	Flat
<b>Interface</b>	MPO Female
<b>Interface Feature</b>	Standard

## Dimensions

<b>Length</b>	60.1 mm   2.366 in
<b>Compatible Cable Diameter</b>	3 mm   0.118 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>	Multimode
<b>Fiber Type</b>	OM3   OM4
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.25 dB
<b>Return Loss, minimum</b>	27 dB

# 860647054

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## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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



## \* Footnotes

**Insertion Loss Change, mating** 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)

# N-012-MP-5K-F30

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LazrSPEED® Low Smoke Zero Halogen Riser Light Duty MPO Patchcord Cable, 12 fiber

## 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

## General Specifications

<b>Cable Type</b>	MPO trunk cable
<b>Construction Type</b>	Non-armored
<b>Fiber Type, quantity</b>	12
<b>Subunit Type</b>	Gel-free
<b>Total Fiber Count</b>	12

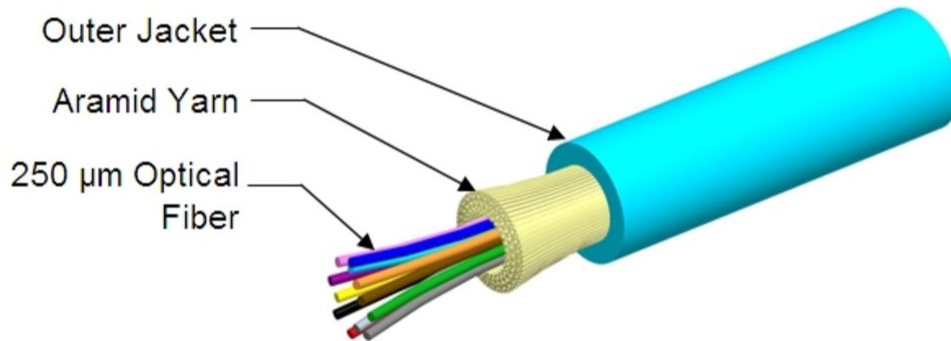
## Dimensions

<b>Diameter Over Jacket</b>	3 mm   0.118 in
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## Representative Image

# N-012-MP-5K-F30

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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	45 mm   1.772 in
<b>Minimum Bend Radius, unloaded</b>	24 mm   0.945 in
<b>Tensile Load, long term, maximum</b>	120 N   26.977 lbf
<b>Tensile Load, short term, maximum</b>	400 N   89.924 lbf
<b>Compression</b>	4 N/mm   22.841 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>	0.74 N-m   6.55 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads

# N-012-MP-5K-F30

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<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>	500 m   1,640.42 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)
<b>Cable Qualification Standards</b>	ANSI/CEA 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-LS (ETL) and c(ETL)
<b>Flame Test Method</b>	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   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 +70 °C (+32 °F to +158 °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>	8.5 kg/km   5.712 lb/kft
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## Regulatory Compliance/Certifications

# N-012-MP-5K-F30

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**Agency**

CENELEC

ISO 9001:2015

**Classification**

EN 50575 compliant, Declaration of Performance (DoP) available

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

## \* Footnotes

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

# FQXMPMPGD

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LazrSPEED® 550 MPO (female) to MPO (female), InstaPATCH® 360 Array Cord, 12-Fiber, Plenum

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Fiber fanout cable assembly
<b>Product Brand</b>	InstaPATCH® 360   LazrSPEED®
<b>Ordering Note</b>	Minimum length may vary based on cable configuration

## General Specifications

<b>Color, connector A</b>	Aqua
<b>Color, connector B</b>	Aqua
<b>Construction Type</b>	InstaPATCH® 360 array cord
<b>Fibers per Subunit, quantity</b>	12
<b>Furcation Color</b>	Aqua
<b>Interface, Connector A</b>	MPO-12/UPC Female
<b>Interface, Connector B</b>	MPO-12/UPC Female
<b>Total Fibers, quantity</b>	12

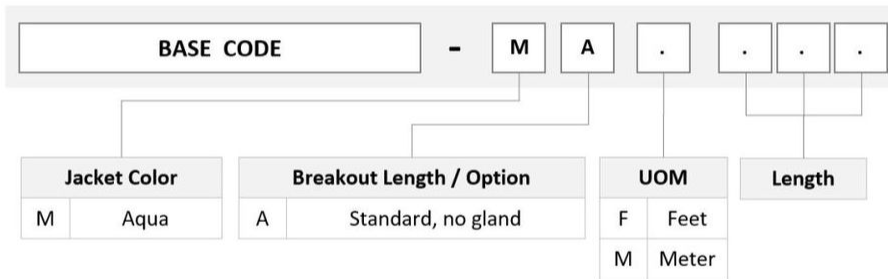
## Dimensions

<b>Cable Assembly Length, minimum (ft)</b>	2
<b>Cable Assembly Length, maximum (ft)</b>	200
<b>Cable Assembly Length, minimum (m)</b>	1
<b>Cable Assembly Length, maximum (m)</b>	7

## Ordering Tree

# FQXMPMPGD

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## Mechanical Specifications

**Cable Retention Strength, maximum** 11.24 lb @ 0 ° | 4.40 lb @ 90 °

## Optical Specifications

**Fiber Type** OM4, LazrSPEED® 550

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Plenum

## Regulatory Compliance/Certifications

Agency	Classification
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# FQXMPMPGD

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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



## Included Products

860647054 — MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

P-012-MP-5K-F30 — LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

# 860647054

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MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

## 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>Body Style</b>	12-fiber
<b>Color</b>	Aqua
<b>Color, boot</b>	Black
<b>Ferrule Geometry</b>	Flat
<b>Interface</b>	MPO Female
<b>Interface Feature</b>	Standard

## Dimensions

<b>Length</b>	60.1 mm   2.366 in
<b>Compatible Cable Diameter</b>	3 mm   0.118 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>	Multimode
<b>Fiber Type</b>	OM3   OM4
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.25 dB
<b>Return Loss, minimum</b>	27 dB

# 860647054

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## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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



## \* Footnotes

**Insertion Loss Change, mating** 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)

# P-012-MP-5K-F30

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LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

## 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

## General Specifications

<b>Cable Type</b>	MPO trunk cable
<b>Construction Type</b>	Non-armored
<b>Fiber Type, quantity</b>	12
<b>Subunit Type</b>	Gel-free
<b>Total Fiber Count</b>	12

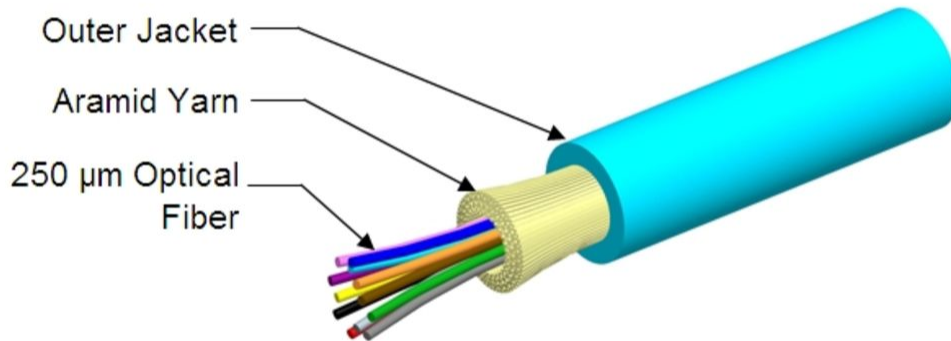
## Dimensions

<b>Diameter Over Jacket</b>	3 mm   0.118 in
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## Representative Image

# P-012-MP-5K-F30

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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	45 mm   1.772 in
<b>Minimum Bend Radius, unloaded</b>	24 mm   0.945 in
<b>Tensile Load, long term, maximum</b>	120 N   26.977 lbf
<b>Tensile Load, short term, maximum</b>	400 N   89.924 lbf
<b>Compression</b>	4 N/mm   22.841 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>	0.74 N-m   6.55 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads

# P-012-MP-5K-F30

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<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>	500 m   1,640.42 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 +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)
<b>Cable Qualification Standards</b>	ANSI/CEA S-83-596   Telcordia GR-409
<b>Environmental Space</b>	Plenum
<b>Flame Test Listing</b>	NEC OFNP (ETL) and c(ETL)
<b>Flame Test Method</b>	NFPA 262

## 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)
<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>	9 kg/km   6.048 lb/kft
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## Regulatory Compliance/Certifications

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



# P-012-MP-5K-F30

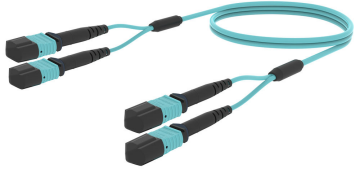
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## \* Footnotes

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

# FRXMPMPHF

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LazrSPEED® 550 OM4, MPO/12(Female) to MPO/12(Female), 24-Fiber, LSZH array cord

## Product Classification

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

<b>Color, boot A</b>	Black
<b>Color, boot B</b>	Black
<b>Color, connector A</b>	Aqua
<b>Color, connector B</b>	Aqua
<b>Construction Type</b>	InstaPATCH® 360 array cord
<b>Fibers per Subunit, quantity</b>	12
<b>Furcation Color</b>	Aqua
<b>Interface, Connector A</b>	MPO-12/UPC Female
<b>Interface, Connector B</b>	MPO-12/UPC Female
<b>Jacket Color</b>	Aqua
<b>Total Fibers, quantity</b>	24

## Dimensions

<b>Cable Assembly Length, minimum (ft)</b>	4
<b>Cable Assembly Length, maximum (ft)</b>	200
<b>Cable Assembly Length, minimum (m)</b>	2

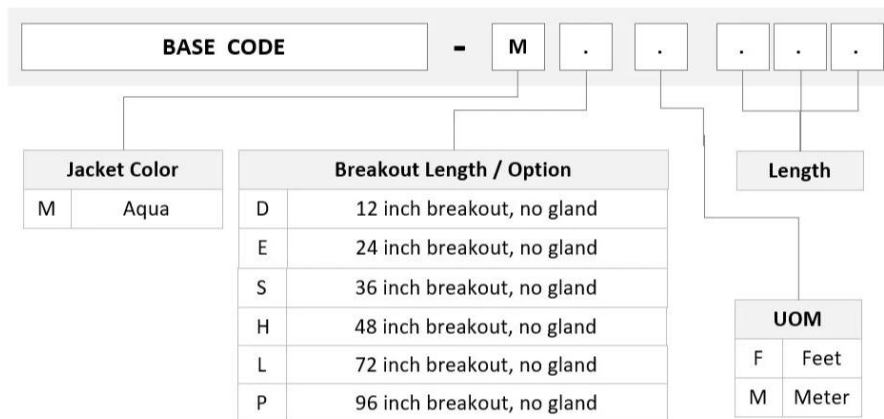


# FRXMPMPHF

Cable Assembly Length, maximum (m)

61

## Ordering Tree



## Mechanical Specifications

**Cable Retention Strength, maximum** 11.24 lb @ 0 ° | 4.40 lb @ 90 °

## Optical Specifications

**Fiber Type** OM4

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Low Smoke Zero Halogen (LSZH)

# FRXMPMPHF

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## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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

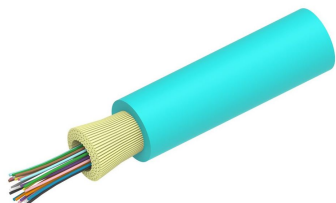


## Included Products

760161786

N-024-MP-5K-F36AQ/D — LazrSPEED® Low Smoke Zero Halogen Riser Light Duty MPO Patchcord Cable, 24 fiber

860647054 — MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm



LazrSPEED® Low Smoke Zero Halogen Riser Light Duty MPO Patchcord Cable, 24 fiber

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

### Portfolio

CommScope®

### Product Type

Fiber indoor cable

## General Specifications

### Cable Type

MPO trunk cable

### Construction Type

Non-armored

### Fiber Type, quantity

24

### Jacket Color

Aqua

### Subunit Type

Gel-free

### Total Fiber Count

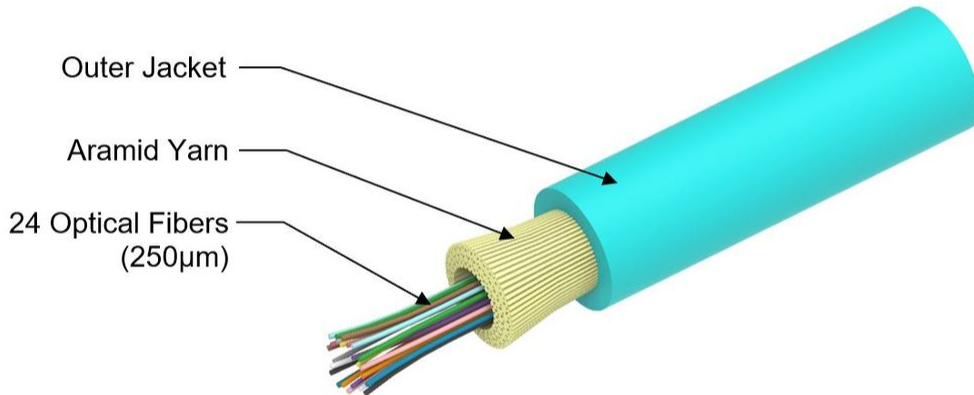
24

## Dimensions

### Diameter Over Jacket

3.6 mm | 0.142 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	54 mm   2.126 in
<b>Minimum Bend Radius, unloaded</b>	29 mm   1.142 in
<b>Tensile Load, long term, maximum</b>	120 N   26.977 lbf
<b>Tensile Load, short term, maximum</b>	400 N   89.924 lbf
<b>Compression</b>	4 N/mm   22.841 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>	0.74 N-m   6.55 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads

# 760161786 | N-024-MP-5K-F36AQ/D

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<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>	500 m   1,640.42 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)
<b>Cable Qualification Standards</b>	ANSI/CEA 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>	d0
<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-LS (ETL) and c(ETL)
<b>Flame Test Method</b>	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   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 +70 °C (+32 °F to +158 °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>	11.8 kg/km   7.929 lb/kft
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## Regulatory Compliance/Certifications

# 760161786 | N-024-MP-5K-F36AQ/D

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## Agency

CENELEC

CHINA-ROHS

ISO 9001:2015

REACH-SVHC

ROHS

## Classification

EN 50575 compliant, Declaration of Performance (DoP) available

Below maximum concentration value

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

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

Compliant



## \* Footnotes

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

# 860647054

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MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

## 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>Body Style</b>	12-fiber
<b>Color</b>	Aqua
<b>Color, boot</b>	Black
<b>Ferrule Geometry</b>	Flat
<b>Interface</b>	MPO Female
<b>Interface Feature</b>	Standard

## Dimensions

<b>Length</b>	60.1 mm   2.366 in
<b>Compatible Cable Diameter</b>	3 mm   0.118 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>	Multimode
<b>Fiber Type</b>	OM3   OM4
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.25 dB
<b>Return Loss, minimum</b>	27 dB

# 860647054

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## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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



## \* Footnotes

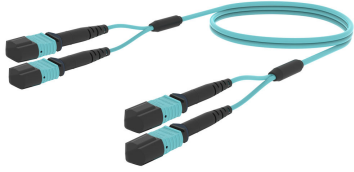
**Insertion Loss Change, mating** Maximum insertion loss change after 500 matings

**Insertion Loss Change, temperature** Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)



# FQXMPMPHF

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LazrSPEED® 550 OM4, MPO/12(Female) to MPO/12(Female), 24-Fiber, Plenum array cord

## Product Classification

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

<b>Color, boot A</b>	Black
<b>Color, boot B</b>	Black
<b>Color, connector A</b>	Aqua
<b>Color, connector B</b>	Aqua
<b>Construction Type</b>	InstaPATCH® 360 array cord
<b>Fibers per Subunit, quantity</b>	12
<b>Furcation Color</b>	Aqua
<b>Interface, Connector A</b>	MPO-12/UPC Female
<b>Interface, Connector B</b>	MPO-12/UPC Female
<b>Jacket Color</b>	Aqua
<b>Total Fibers, quantity</b>	24

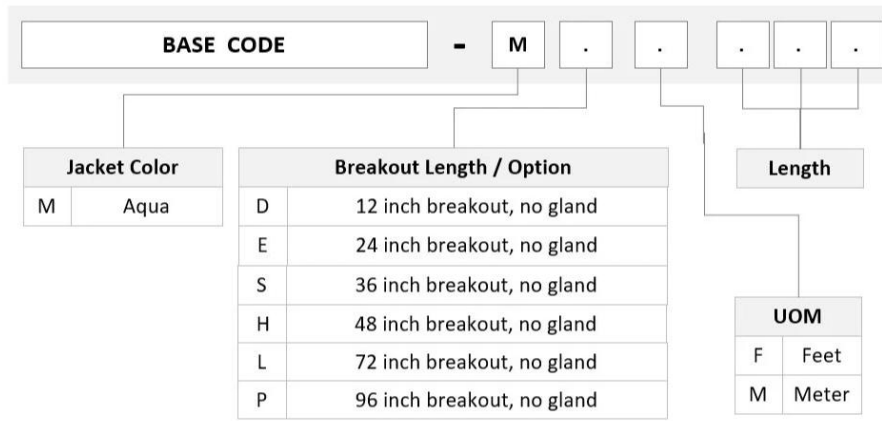
## Dimensions

<b>Cable Assembly Length, minimum (ft)</b>	4
<b>Cable Assembly Length, maximum (ft)</b>	200
<b>Cable Assembly Length, minimum (m)</b>	2

# FQXMPMPHF

Cable Assembly Length, maximum (m) 61

## Ordering Tree



## Mechanical Specifications

**Cable Retention Strength, maximum** 11.24 lb @ 0 ° | 4.40 lb @ 90 °

## Optical Specifications

**Fiber Type** OM4

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Plenum

# FQXMPMPHF

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## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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

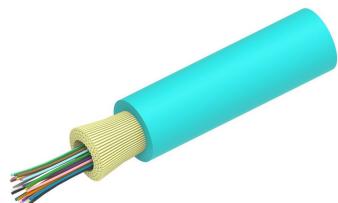
## Included Products

760161901  
P-024-MP-5K-F36AQ — LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 24 fiber

860647054 — MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

# 760161901 | P-024-MP-5K-F36AQ

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LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 24 fiber

## 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

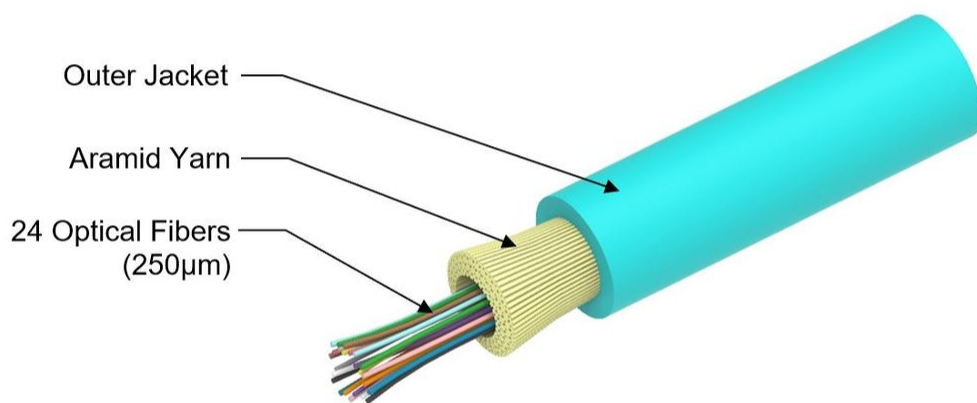
## General Specifications

<b>Cable Type</b>	MPO trunk cable
<b>Construction Type</b>	Non-armored
<b>Fiber Type, quantity</b>	24
<b>Jacket Color</b>	Aqua
<b>Subunit Type</b>	Gel-free
<b>Total Fiber Count</b>	24

## Dimensions

<b>Diameter Over Jacket</b>	3.6 mm   0.142 in
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## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	54 mm   2.126 in
<b>Minimum Bend Radius, unloaded</b>	29 mm   1.142 in
<b>Tensile Load, long term, maximum</b>	120 N   26.977 lbf
<b>Tensile Load, short term, maximum</b>	400 N   89.924 lbf
<b>Compression</b>	4 N/mm   22.841 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>	0.74 N-m   6.55 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads

# 760161901 | P-024-MP-5K-F36AQ

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<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>	500 m   1,640.42 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 +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)
<b>Cable Qualification Standards</b>	ANSI/CEA S-83-596   Telcordia GR-409
<b>Environmental Space</b>	Plenum
<b>Flame Test Listing</b>	NEC OFNP (ETL) and c(ETL)
<b>Flame Test Method</b>	NFPA 262

## 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)
<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>	12 kg/km   8.064 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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



## \* Footnotes

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

# 860647054

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MP012, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm

## 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>Body Style</b>	12-fiber
<b>Color</b>	Aqua
<b>Color, boot</b>	Black
<b>Ferrule Geometry</b>	Flat
<b>Interface</b>	MPO Female
<b>Interface Feature</b>	Standard

## Dimensions

<b>Length</b>	60.1 mm   2.366 in
<b>Compatible Cable Diameter</b>	3 mm   0.118 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>	Multimode
<b>Fiber Type</b>	OM3   OM4
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Optical Components Standard</b>	ANSI/TIA-568-C.3
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.25 dB
<b>Return Loss, minimum</b>	27 dB



# 860647054

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## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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

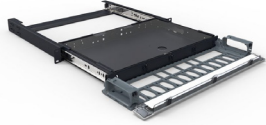


## \* Footnotes

**Insertion Loss Change, mating** 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)

# 760193771 | 360G2-1U-MOD-SD



G2 1U Sliding Modular Cassette Panel \*NOTE: THIS PART IS CANCELED IN NAR & CALA – optional replacements: 760209940, HD-1U or for splicing applications 760231506, HD-1U-SP

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber patch panel

## General Specifications

<b>Application</b>	Accepts four G2 modular cassettes   Accepts one InstaPATCH® 360 data module or 360DP panel   Accepts two RoloSplices with three trays each
<b>Rack Units</b>	1
<b>Shelf Movement</b>	Sliding

## Dimensions

<b>Height</b>	44.45 mm   1.75 in
<b>Width</b>	482.6 mm   19 in
<b>Depth</b>	457.2 mm   18 in

## Packaging and Weights

<b>Weight, net</b>	12 lb   5.443 kg
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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



# 760206540 | 360DMis-24LC-SM

G2 Singlemode Standard Module, 24 LC fibers (12 duplex ports) with internal shutters



## Product Classification

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

## General Specifications

<b>Adapters, quantity, rear</b>	2
<b>Color, front</b>	Blue
<b>Color, rear</b>	Gray
<b>Interface Feature, front</b>	Standard
<b>Interface Feature, rear</b>	Standard
<b>Interface, front</b>	LC
<b>Interface, rear</b>	MPO Pinned
<b>Total Fibers, quantity</b>	24
<b>Total Ports, quantity, front</b>	24

## Dimensions

<b>Height</b>	27.94 mm   1.1 in
<b>Width</b>	91.44 mm   3.6 in
<b>Depth</b>	116.84 mm   4.6 in

## Optical Specifications

<b>Fiber Type</b>	G.652.D and G.657.A1 , TeraSPEED®   OS2
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	1.05 dB

# 760206540 | 360DMis-24LC-SM

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## Environmental Specifications

**Qualification Standards** TIA/EIA-568-C.3

**Safety Standard** UL | cUL

## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

Agency	Classification
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



## \* Footnotes

**Insertion Loss Change, mating** Maximum insertion loss change after 200 matings

**Insertion Loss Change, temperature** Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)

# 760245141 | 360DMis-24LC-LS-ULL

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G2 ULL Multimode OM4 Standard Module, 24 LC fibers (12 duplex ports) with internal shutters



## Product Classification

<b>Regional Availability</b>	China
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber module

## General Specifications

<b>Adapters, quantity, rear</b>	2
<b>Color, front</b>	Aqua
<b>Color, rear</b>	Gray
<b>Interface Feature, front</b>	Standard
<b>Interface Feature, rear</b>	Standard
<b>Interface, front</b>	LC
<b>Interface, rear</b>	MPO Pinned
<b>Total Fibers, quantity</b>	24
<b>Total Ports, quantity, front</b>	24

## Dimensions

<b>Height</b>	27.94 mm   1.1 in
<b>Width</b>	91.44 mm   3.6 in
<b>Depth</b>	116.84 mm   4.6 in

## Optical Specifications

<b>Fiber Type</b>	OM4, LazrSPEED® 550
<b>Insertion Loss Change, mating</b>	0.2 dB
<b>Insertion Loss Change, temperature</b>	0.2 dB
<b>Insertion Loss, maximum</b>	0.35 dB

## Environmental Specifications

**Qualification Standards** TIA/EIA-568-C.3

**Safety Standard** UL | cUL

## Packaging and Weights

**Packaging quantity** 1

## Regulatory Compliance/Certifications

Agency	Classification
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



## \* Footnotes

**Insertion Loss Change, mating** Maximum insertion loss change after 200 matings

**Insertion Loss Change, temperature** Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)

康普通过创意构想和突破性发现，推动通信技术的发展。这些构想和发现均足以激发伟大的人类成就。我们与客户和合作伙伴合作设计、创造并构建世界上最先进的网络。发现新的机遇并实现更美好的明天是我们的激情和承诺。了解更多信息，请访问 [zh.commscope.com](http://zh.commscope.com)。

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