LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 21 ft + 24 in Breakout

Product Classification

**Portfolio**  SYSTIMAX®
**Brand**  InstaPATCH® 360 | LazrSPEED®
**Product Type**  Fiber fanout cable assembly
**Regional Availability**  Asia | Australia/New Zealand | EMEA | Latin America | North America

Construction Materials

**Fiber Type**  OM4, LazrSPEED® 550
**Total Fibers, quantity**  12
**Jacket Color**  Aqua
**Fibers per Subunit, quantity**  12
**Furcation Color**  Aqua

Dimensions

**Breakout Length**  24 in
**Cord Length, maximum**  6 m | 21 ft
**Cord Length, minimum**  6 m | 21 ft
**Ordering Note**  Fixed length assembly

Environmental Specifications

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

General Specifications

**Construction Type**  InstaPATCH® 360 array cord
**Interface, connector A**  MPO-12/UPC Female
**Interface, connector B**  LC/UPC
**Color, connector A**  Aqua
**Color, connector B**  Beige

Mechanical Specifications

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

Regulatory Compliance/Certifications
Included Products

460125172 (Product Component—not orderable) — Pre-Radiused LC Connector simplex for 1.6 mm Fiber, multimode

P-012-MP-5K-F30AQ (Product Component—not orderable) — LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber
  - CS-5K-MP (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

860647054 (Product Component—not orderable) — MPO12, LOW LOSS, FEMALE, OM3/4, AQUA, 3mm
Pre-Radiused LC Connector simplex for 1.6 mm Fiber, multimode

**Product Classification**
- **Portfolio**: CommScope®
- **Product Type**: Fiber connector
- **Regional Availability**: Asia | Australia/New Zealand | EMEA | Latin America | North America

**Construction Materials**
- **Ferrule Geometry**: Pre-radiused
- **Ferrule Material**: Zirconia
- **Fiber Mode**: Multimode

**Dimensions**
- **Compatible Cable Diameter**: 1.6 mm | 0.1 in
- **Length**: 50.30 mm | 1.98 in

**General Specifications**
- **Interface**: LC
- **Body Style**: Simplex
- **Interface Feature**: Standard
- **Color**: Beige
- **Package Quantity**: 1

**Mechanical Specifications**
- **Cable Retention Strength, maximum**: 11.24 lb @ 0 °

**Optical Performance**
- **Insertion Loss, maximum**: 0.33 dB
- **Return Loss, minimum**: 27.0 dB

**Optical Specifications**
- **Optical Components Standard**: ANSI/TIA-568-C.3

**Regulatory Compliance/Certifications**
- **Agency**: RoHS 2011/65/EU, ISO 9001:2015
- **Classification**: Compliant, Designed, manufactured and/or distributed under this quality management system
LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

Product Classification

Portfolio: CommScope®
Product Type: Fiber indoor cable
Regional Availability: Asia | Australia/New Zealand | EMEA | Latin America | North America

Standards And Qualifications

Cable Qualification Standards: ANSI/ICEA S-83-596 | Telcordia GR-409

Representative Image

General Specifications

Cable Type: MPO trunk cable
Construction Type: Non-armored
Subunit Type: Gel-free

Construction Materials

Fiber Type Solution: OM4, LazrSPEED® 550
Total Fiber Count: 12
Fiber Type: OM4, LazrSPEED® 550
Fiber Type, quantity: 12
Jacket Color: Aqua

Dimensions
Cable Weight
9.0 kg/km

Diameter Over Jacket
3.00 mm   |   0.12 in

Physical Specifications
Minimum Bend Radius, loaded
45.0 mm   |   1.8 in
Minimum Bend Radius, unloaded
24.0 mm   |   0.9 in
Tensile Load, long term, maximum
100 N   |   22 lbf
Tensile Load, short term, maximum
334 N   |   75 lbf
Vertical Rise, maximum
500.0 m   |   1640.4 ft

Flame Test Specifications
Flame Test Listing
NEC OFNP (ETL) and c(ETL)
Flame Test Method
NFPA 262

Environmental Specifications
Environmental Space
Plenum
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)

Mechanical Test Specifications
Compression
4 N/mm
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   |   0.55 ft 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

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

Regulatory Compliance/Certifications

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

Product Classification

**Portfolio**  
CommScope®

**Brand**  
LazrSPEED®

**Product Type**  
Fiber connector

**Regional Availability**  
Asia | Australia/New Zealand | EMEA | Latin America | North America

Construction Materials

**Fiber Type**  
OM3 | OM4

**Ferrule Geometry**  
Flat

**Ferrule Material**  
Polymer

**Fiber Mode**  
Multimode

Dimensions

**Compatible Cable Diameter**  
3.00 mm | 0.12 in

**Length**  
60.10 mm | 2.37 in

General Specifications

**Interface**  
MPO Female

**Body Style**  
12-fiber

**Interface Feature**  
Standard

**Color**  
Aqua

**Color, boot**  
Black

**Package Quantity**  
1

Mechanical Specifications

**Cable Retention Strength, maximum**  
11.24 lb @ 0 °

Optical Performance

**Insertion Loss, maximum**  
0.25 dB

**Return Loss, minimum**  
27.0 dB

Optical Specifications

**Optical Components Standard**  
ANSI/TIA-568-C.3

Regulatory Compliance/Certifications
Agency
RoHS 2011/65/EU
ISO 9001:2015

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