**LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 4 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:** 1 m | 4 ft
- **Cord Length, minimum:** 1 m | 4 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

<table>
<thead>
<tr>
<th>Portfolio</th>
<th>CommScope®</th>
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<tbody>
<tr>
<td>Product Type</td>
<td>Fiber indoor cable</td>
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<tr>
<td>Regional Availability</td>
<td>Asia</td>
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</tbody>
</table>

Standards And Qualifications

Cable Qualification Standards

ANSI/ICEA S-83-596 | Telcordia GR-409

Representative Image

General Specifications

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>MPO trunk cable</th>
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<tbody>
<tr>
<td>Construction Type</td>
<td>Non-armored</td>
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<tr>
<td>Subunit Type</td>
<td>Gel-free</td>
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Construction Materials

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<tr>
<th>Fiber Type Solution</th>
<th>OM4, LazrSPEED® 550</th>
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<tr>
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<td>Aqua</td>
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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)
P-012-MP-5K-F30AQ

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
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