LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 16 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**
5 m | 16 ft

**Cord Length, minimum**
5 m | 16 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
Agency | Classification
--- | ---
RoHS 2011/65/EU | Compliant
ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system

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

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

### Construction Materials

<table>
<thead>
<tr>
<th>Ferrule Geometry</th>
<th>Pre-radiused</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferrule Material</td>
<td>Zirconia</td>
</tr>
<tr>
<td>Fiber Mode</td>
<td>Multimode</td>
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</table>

### Dimensions

<table>
<thead>
<tr>
<th>Compatible Cable Diameter</th>
<th>1.6 mm</th>
<th>0.1 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>50.30 mm</td>
<td>1.98 in</td>
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### General Specifications

<table>
<thead>
<tr>
<th>Interface</th>
<th>LC</th>
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</thead>
<tbody>
<tr>
<td>Body Style</td>
<td>Simplex</td>
</tr>
<tr>
<td>Interface Feature</td>
<td>Standard</td>
</tr>
<tr>
<td>Color</td>
<td>Beige</td>
</tr>
<tr>
<td>Package Quantity</td>
<td>1</td>
</tr>
</tbody>
</table>

### Mechanical Specifications

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

### Optical Performance

<table>
<thead>
<tr>
<th>Insertion Loss, maximum</th>
<th>0.33 dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return Loss, minimum</td>
<td>27.0 dB</td>
</tr>
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</table>

### Optical Specifications

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

### Regulatory Compliance/Certifications

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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

<table>
<thead>
<tr>
<th>Method</th>
<th>Standard</th>
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<tbody>
<tr>
<td>FOTP-3</td>
<td>IEC 60794-1 F1</td>
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![RoHS and ISO 9001:2015 logos]

### 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**

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### Construction Materials

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>OM3</th>
<th>OM4</th>
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<tbody>
<tr>
<td>Ferrule Geometry</td>
<td>Flat</td>
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<tr>
<td>Ferrule Material</td>
<td>Polymer</td>
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### Dimensions

<table>
<thead>
<tr>
<th>Compatible Cable Diameter</th>
<th>3.00 mm</th>
<th>0.12 in</th>
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<tbody>
<tr>
<td>Length</td>
<td>60.10 mm</td>
<td>2.37 in</td>
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### General Specifications

<table>
<thead>
<tr>
<th>Interface</th>
<th>MPO Female</th>
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<tr>
<td>Body Style</td>
<td>12-fiber</td>
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<tr>
<td>Interface Feature</td>
<td>Standard</td>
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<tr>
<td>Color</td>
<td>Aqua</td>
</tr>
<tr>
<td>Color, boot</td>
<td>Black</td>
</tr>
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### Mechanical Specifications

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

### Optical Performance

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### Optical Specifications

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

### Regulatory Compliance/Certifications
Agency
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Classification
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