LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 17 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 | 17 ft
Cord Length, minimum: 5 m | 17 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

<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>
</tr>
</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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### 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>
</tr>
</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>
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</table>

### Mechanical Specifications

<table>
<thead>
<tr>
<th>Cable Retention Strength, maximum</th>
<th>11.24 lb @ 0 °</th>
</tr>
</thead>
</table>

### 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

<table>
<thead>
<tr>
<th>Optical Components Standard</th>
<th>ANSI/TIA-568-C.3</th>
</tr>
</thead>
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### 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  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
### Product Classification

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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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<td>Fiber Mode</td>
<td>Multimode</td>
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</table>

### Dimensions

<table>
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<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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<tbody>
<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>
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<tr>
<td>Color, boot</td>
<td>Black</td>
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<tr>
<td>Package Quantity</td>
<td>1</td>
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### 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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