LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 15 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 | 15 ft
Cord Length, minimum: 5 m | 15 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>
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</tbody>
</table>

### Construction Materials

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

### 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>
</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>
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</thead>
<tbody>
<tr>
<td>Return Loss, minimum</td>
<td>27.0 dB</td>
</tr>
</tbody>
</table>

### Optical Specifications

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

### Regulatory Compliance/Certifications

<table>
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<td>Designed, manufactured and/or distributed under this quality management system</td>
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</table>
LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

Product Classification

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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>
</tr>
</thead>
<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

<table>
<thead>
<tr>
<th>Fiber Type Solution</th>
<th>OM4, LazrSPEED® 550</th>
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</thead>
<tbody>
<tr>
<td>Total Fiber Count</td>
<td>12</td>
</tr>
<tr>
<td>Fiber Type</td>
<td>OM4, LazrSPEED® 550</td>
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<tr>
<td>Fiber Type, quantity</td>
<td>12</td>
</tr>
<tr>
<td>Jacket Color</td>
<td>Aqua</td>
</tr>
</tbody>
</table>

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

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