LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 24 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**
7 m | 24 ft

**Cord Length, minimum**
7 m | 24 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>
</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>
</tr>
</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>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
<td>Compliant</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
<td>Compliant</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Portfolio</th>
<th>CommScope®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>LazrSPEED®</td>
</tr>
<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>Fiber Type</th>
<th>OM3</th>
<th>OM4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferrule Geometry</td>
<td>Flat</td>
<td></td>
</tr>
<tr>
<td>Ferrule Material</td>
<td>Polymer</td>
<td></td>
</tr>
<tr>
<td>Fiber Mode</td>
<td>Multimode</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions

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

General Specifications

<table>
<thead>
<tr>
<th>Interface</th>
<th>MPO Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body Style</td>
<td>12-fiber</td>
</tr>
<tr>
<td>Interface Feature</td>
<td>Standard</td>
</tr>
<tr>
<td>Color</td>
<td>Aqua</td>
</tr>
<tr>
<td>Color, boot</td>
<td>Black</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>0.25 dB</th>
</tr>
</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
Agency  Classification
RoHS 2011/65/EU  Compliant
ISO 9001:2015  Designed, manufactured and/or distributed under this quality management system