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

<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

CSCS 5K-5K — 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
<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>