LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 19 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: 6 m | 19 ft
Cord Length, minimum: 6 m | 19 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

**Portfolio**
CommScope®

**Product Type**
Fiber connector

**Regional Availability**
Asia | Australia/New Zealand | EMEA | Latin America | North America

Construction Materials

**Ferrule Geometry**
Pre-radiused

**Ferrule Material**
Zirconia

**Fiber Mode**
Multimode

Dimensions

**Compatible Cable Diameter**
1.6 mm | 0.1 in

**Length**
50.30 mm | 1.98 in

General Specifications

**Interface**
LC

**Body Style**
Simplex

**Interface Feature**
Standard

**Color**
Beige

**Package Quantity**
1

Mechanical Specifications

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

Optical Performance

**Insertion Loss, maximum**
0.33 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**
Compliant
Designed, manufactured and/or distributed under this quality management system
LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

Product Classification

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

Standards And Qualifications

| Cable Qualification Standards | ANSI/ICEA S-83-596 | Telcordia GR-409 |

Representative Image

Outer Jacket
Aramid Yarn
250 μm Optical Fiber

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>
</tr>
<tr>
<td>Subunit Type</td>
<td>Gel-free</td>
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</table>

Construction Materials

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

Dimensions
**Physical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Weight</td>
<td>9.0 kg/km</td>
</tr>
<tr>
<td>Diameter Over Jacket</td>
<td>3.00 mm</td>
</tr>
<tr>
<td>Minimum Bend Radius, loaded</td>
<td>45.0 mm</td>
</tr>
<tr>
<td>Minimum Bend Radius, unloaded</td>
<td>24.0 mm</td>
</tr>
<tr>
<td>Tensile Load, long term, maximum</td>
<td>100 N</td>
</tr>
<tr>
<td>Tensile Load, short term, maximum</td>
<td>334 N</td>
</tr>
<tr>
<td>Vertical Rise, maximum</td>
<td>500.0 m</td>
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</table>

**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**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression</td>
<td>4 N/mm</td>
</tr>
<tr>
<td>Compression Test Method</td>
<td>FOTP-41</td>
</tr>
<tr>
<td>Flex</td>
<td>300 cycles</td>
</tr>
<tr>
<td>Flex Test Method</td>
<td>FOTP-104</td>
</tr>
<tr>
<td>Impact</td>
<td>0.74 N·m</td>
</tr>
<tr>
<td>Impact Test Method</td>
<td>FOTP-25</td>
</tr>
<tr>
<td>Strain</td>
<td>See long and short term tensile loads</td>
</tr>
<tr>
<td>Strain Test Method</td>
<td>FOTP-33</td>
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<tr>
<td>Twist</td>
<td>10 cycles</td>
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<tr>
<td>Twist Test Method</td>
<td>FOTP-85</td>
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**Environmental Test Specifications**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Heat Age</td>
<td>0 °C to +85 °C (+32 °F to +185 °F)</td>
</tr>
<tr>
<td>Heat Age Test Method</td>
<td>IEC 60794-1 F9</td>
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<tr>
<td>Low High Bend</td>
<td>0 °C to +70 °C (+32 °F to +158 °F)</td>
</tr>
<tr>
<td>Low High Bend Test Method</td>
<td>FOTP-37</td>
</tr>
<tr>
<td>Temperature Cycle</td>
<td>0 °C to +70 °C (+32 °F to +158 °F)</td>
</tr>
</tbody>
</table>
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
MPO12, 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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