LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 28 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 | 9 m | 28 ft
Cord Length, minimum | 9 m | 28 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>
</thead>
<tbody>
<tr>
<td>Product Type</td>
<td>Fiber indoor cable</td>
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</table>

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

![Diagram of cable components: Outer Jacket, Aramid Yarn, 250 μm Optical Fiber]

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
<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>
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<tr>
<td><strong>Physical Specifications</strong></td>
<td></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>
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<tr>
<td>Tensile Load, short term, maximum</td>
<td>334 N</td>
</tr>
<tr>
<td>Vertical Rise, maximum</td>
<td>500.0 m</td>
</tr>
<tr>
<td><strong>Flame Test Specifications</strong></td>
<td></td>
</tr>
<tr>
<td>Flame Test Listing</td>
<td>NEC OFNP (ETL) and c(ETL)</td>
</tr>
<tr>
<td>Flame Test Method</td>
<td>NFPA 262</td>
</tr>
<tr>
<td><strong>Environmental Specifications</strong></td>
<td></td>
</tr>
<tr>
<td>Environmental Space</td>
<td>Plenum</td>
</tr>
<tr>
<td>Installation Temperature</td>
<td>0 °C to +70 °C (+32 °F to +158 °F)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 °C to +70 °C (+32 °F to +158 °F)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 °C to +70 °C (-40 °F to +158 °F)</td>
</tr>
<tr>
<td><strong>Mechanical Test Specifications</strong></td>
<td></td>
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<tr>
<td>Compression</td>
<td>4 N/mm</td>
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<tr>
<td>Compression Test Method</td>
<td>FOTP-41</td>
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<tr>
<td>Flex</td>
<td>300 cycles</td>
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<tr>
<td>Flex Test Method</td>
<td>FOTP-104</td>
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<tr>
<td>Impact</td>
<td>0.74 N-m</td>
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<tr>
<td>Impact Test Method</td>
<td>FOTP-25</td>
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<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>
</tr>
<tr>
<td>Twist Test Method</td>
<td>FOTP-85</td>
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<tr>
<td><strong>Environmental Test Specifications</strong></td>
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<tr>
<td>Heat Age</td>
<td>0 °C to +85 °C (+32 °F to +185 °F)</td>
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<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>
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<tr>
<td>Low High Bend Test Method</td>
<td>FOTP-37</td>
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<tr>
<td>Temperature Cycle</td>
<td>0 °C to +70 °C (+32 °F to +158 °F)</td>
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</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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