LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 13 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 | 13 ft

**Cord Length, minimum** 4 m | 13 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

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Agency | Classification
---|---
RoHS 2011/65/EU | Compliant
ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system

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

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>
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<tr>
<td>Product Type</td>
<td>Fiber indoor cable</td>
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<tr>
<td>Regional Availability</td>
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Standards And Qualifications

Cable Qualification Standards

| ANSI/ICEA S-83-596 | Telcordia GR-409 |

Representative Image

![Diagram of cable components](image)

General Specifications

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

<table>
<thead>
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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

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<tr>
<td>Brand</td>
<td>LazrSPEED®</td>
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<tr>
<td>Product Type</td>
<td>Fiber connector</td>
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<td>Regional Availability</td>
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Construction Materials

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

Dimensions

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

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<tr>
<th>Interface</th>
<th>MPO Female</th>
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<tr>
<td>Body Style</td>
<td>12-fiber</td>
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<tr>
<td>Interface Feature</td>
<td>Standard</td>
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<tr>
<td>Color</td>
<td>Aqua</td>
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<tr>
<td>Color, boot</td>
<td>Black</td>
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<tr>
<td>Package Quantity</td>
<td>1</td>
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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>
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<tbody>
<tr>
<td>Return Loss, minimum</td>
<td>27.0 dB</td>
</tr>
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</table>

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