LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 7 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 2 m | 7 ft
Cord Length, minimum 2 m | 7 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
- **Classification**: Compliant
- Designed, manufactured and/or distributed under this quality management system
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>
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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

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<tr>
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<th>CommScope®</th>
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<tbody>
<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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### 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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<tr>
<td>Length</td>
<td>60.10 mm</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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<tr>
<td>Return Loss, minimum</td>
<td>27.0 dB</td>
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### Optical Specifications

| Optical Components Standard | ANSI/TIA-568-C.3 |

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