LazrSPEED® 550 MPO (female) to LC Simplex, InstaPATCH® 360 TM Array Fanout, 12-Fiber, Plenum, 6 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 | 6 ft
Cord Length, minimum 2 m | 6 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>
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<tbody>
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<td>Product Type</td>
<td>Fiber connector</td>
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<tr>
<td>Regional Availability</td>
<td>Asia</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Agency</th>
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LazrSPEED® Plenum MPO Light Duty Patchcord Cable, 12 fiber

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Standards And Qualifications

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

Representative Image

![Cable 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

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<tr>
<th>Fiber Type Solution</th>
<th>OM4, LazrSPEED® 550</th>
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<tr>
<td>Total Fiber Count</td>
<td>12</td>
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<td>Fiber Type, quantity</td>
<td>12</td>
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<tr>
<td>Jacket Color</td>
<td>Aqua</td>
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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)
P-012-MP-5K-F30AQ

Temperature Cycle Test Method  FOTP-3 | IEC 60794-1 F1

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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

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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