

FEXL4LC21

LazrSPEED®, ReadyPATCH® 550 LC Keyed Green to LC, Fiber Patch Cord, 1.6 mm Simplex, Riser

Product Classification

| | |
|------------------------------|---|
| Portfolio | CommScope® |
| Brand | LazrSPEED® ReadyPATCH® |
| Product Type | Fiber patch cord, simplex |
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |

Construction Materials

| | |
|-------------------------------|---------------------|
| Fiber Type | OM4, LazrSPEED® 550 |
| Total Fibers, quantity | 1 |

Dimensions

| | |
|-----------------------------|--|
| Cord Length, maximum | 325 ft 99 m |
| Cord Length, minimum | 2 ft 1 m |
| Diameter Over Jacket | 1.60 mm 0.06 in |
| Ordering Note | For lengths greater than 999 ft (304 m), orders must be in meters Minimum length may vary based on cable configuration |

Environmental Specifications

| | |
|------------------------------|--------------------------------------|
| Environmental Space | Riser |
| Operating Temperature | -10 °C to +60 °C (+14 °F to +140 °F) |

General Specifications

| | |
|---------------------------------------|--------------------|
| Construction Type | Simplex patch cord |
| Interface, connector A | LC/UPC |
| Interface, connector B | LC/UPC |
| Color, connector A | Green |
| Color, connector B | Beige |
| Interface Feature, connector A | Keyed |

Mechanical Specifications

| | |
|--|---------------------------------|
| Cable Retention Strength, maximum | 11.24 lb @ 0 ° 4.40 lb @ 90 ° |
|--|---------------------------------|

Regulatory Compliance/Certifications

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



Included Products

R-001-SP-5K-F16 (Product Component—not orderable) — LazrSPEED® 1.6mm Riser Simplex Cable

- CS-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

460125172 (Product Component—not orderable) — Pre-Radiused LC Connector simplex for 1.6 mm Fiber, multimode

760102335 | MFC-LCR-16-KGR — LazrSPEED®, OptiSPEED® Pre-Radiused Keyed LC Connector for 1.6 mm Fiber, simplex multimode, green

R-001-SP-5K-F16

LazrSPEED® 1.6mm Riser Simplex Cable

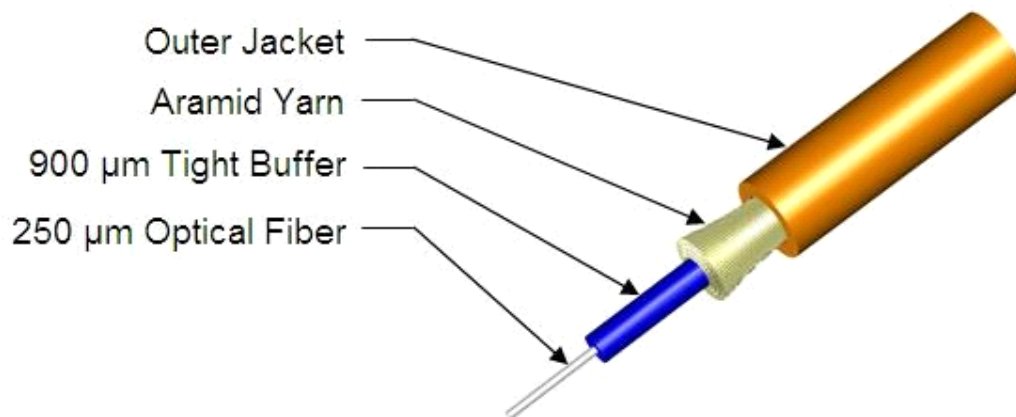
Product Classification

| | |
|------------------------------|---|
| 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 | Cordage |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |

Construction Materials

| | |
|-----------------------------|---------------------|
| Fiber Type Solution | OM4, LazrSPEED® 550 |
| Total Fiber Count | 1 |
| Fiber Type | OM4, LazrSPEED® 550 |
| Fiber Type, quantity | 1 |

Dimensions

R-001-SP-5K-F16

| | |
|-----------------------------|------------------------|
| Cable Weight | 2.0 lb/kft 3.0 kg/km |
| Diameter Over Jacket | 1.70 mm 0.07 in |

Physical Specifications

| | |
|--|---------------------|
| Minimum Bend Radius, loaded | 3.8 cm 1.5 in |
| Minimum Bend Radius, unloaded | 1.5 cm 0.6 in |
| Tensile Load, long term, maximum | 7 lbf 29 N |
| Tensile Load, short term, maximum | 22 lbf 7 N |
| Vertical Rise, maximum | 500.0 m 1640.4 ft |

Flame Test Specifications

| | |
|---------------------------|---------------------------|
| Flame Test Listing | NEC OFNR (ETL) and c(ETL) |
| Flame Test Method | UL 1666 |

Environmental Specifications

| | |
|---------------------------------|--------------------------------------|
| Environmental Space | Riser |
| Installation Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |

Mechanical Test Specifications

| | |
|--------------------------------|---------------------------------------|
| Compression | 10 N/mm 57 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 300 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 0.55 ft lb 0.74 N-m |
| 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 | -20 °C to +85 °C (-4 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -20 °C to +70 °C (-4 °F to +158 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -20 °C to +70 °C (-4 °F to +158 °F) |

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

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU

ISO 9001:2015

Classification

Compliant

Designed, manufactured and/or distributed under this quality management system



Included Products

CS-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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





LazrSPEED®, OptiSPEED® Pre-Radiused Keyed LC Connector for 1.6 mm Fiber, simplex multimode, green

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 | 52.00 mm 2.05 in |

General Specifications

| | |
|--------------------------|---------|
| Interface | LC |
| Body Style | Simplex |
| Interface Feature | Keyed |
| Color | Green |
| Package Quantity | 1 |

Mechanical Specifications

| | |
|--|----------------|
| Cable Retention Strength, maximum | 11.24 lb @ 0 ° |
|--|----------------|

Optical Performance

| | |
|--------------------------------|---------|
| Insertion Loss, typical | 0.20 dB |
| Return Loss, minimum | 50.0 dB |

Optical Specifications

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

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU

ISO 9001:2015

Classification

Compliant

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