

# FSXLCUCW6

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Base Product



LazrSPEED® 550 LC/UPC to Unconnectorized, Distribution Cable, 6-Fiber, Plenum

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | North America   |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber distribution cable assembly                                 |
| <b>Product Brand</b>         | SYSTIMAX InstaPATCH® 360  |
| <b>Ordering Note</b>         | For lengths greater than 999 ft (304 m), orders must be in meters |

## General Specifications

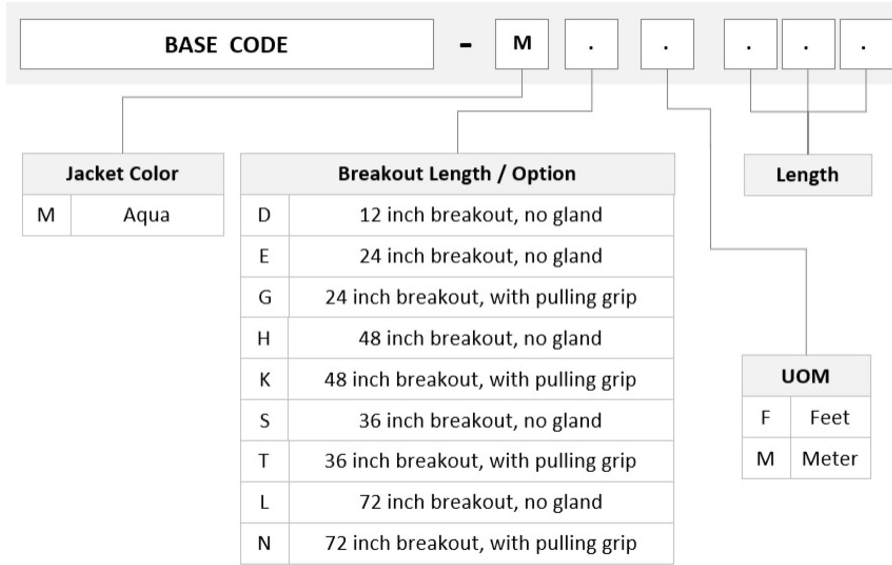
|                               |                      |
|-------------------------------|----------------------|
| <b>Connector A, quantity</b>  | 6                    |
| <b>Color, connector A</b>     | Black                |
| <b>Construction Type</b>      | Distribution, indoor |
| <b>Interface, Connector A</b> | LC/UPC               |
| <b>Interface, Connector B</b> | LC/UPC               |
| <b>Jacket Color</b>           | Aqua                 |
| <b>Total Fibers, quantity</b> | 6                    |

## Dimensions

|   |          |
|---|----------|
| <b>Cable Assembly Length Range (m)</b>  | 3 – 999  |
| <b>Cable Assembly Length Range (ft)</b> | 10 – 999 |

## Ordering Tree

# FSXLCUCW6



## Mechanical Specifications

**Cable Retention Strength, maximum** 0.50 lb @ 0° | 0.50 lb @ 90°

## Optical Specifications

**Fiber Mode** Multimode

**Fiber Type** OM4, LazrSPEED®

## Environmental Specifications

**Operating Temperature** 0 °C to +70 °C (+32 °F to +158 °F)

**Environmental Space** Plenum

## Regulatory Compliance/Certifications

| Agency     | Classification   |
|------------|--|
| CHINA-ROHS | Above maximum concentration value  |
| REACH-SVHC | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant/Exempted   |
| UK-ROHS    | Compliant/Exempted   |



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## Included Products

- 460125271 – Behind The Wall Pre-Radiused LC Connector for 0.9 mm Fiber, multimode
- 760012138 – Fiber indoor cable, LazrSPEED® Plenum Distribution Cable, 6 fiber single-unit, Multimode OM4,  
P-006-DS-5K-FSUAQ Feet jacket marking, Aqua jacket color

## Behind The Wall Pre-Radiused LC Connector for 0.9 mm Fiber, multimode

### Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber connector   |
| <b>Product Brand</b>         | LazrSPEED®   OptiSPEED®   |

### General Specifications

|                         |              |
|-------------------------|--------------|
| <b>Body Style</b>       | BTW          |
| <b>Color</b>            | Beige        |
| <b>Ferrule Geometry</b> | Pre-radiused |
| <b>Interface</b>        | LC/UPC       |

### Dimensions

|                                  |                   |
|----------------------------------|-------------------|
| <b>Length</b>                    | 32 mm   1.26 in   |
| <b>Compatible Cable Diameter</b> | 0.9 mm   0.035 in |

### Material Specifications

|                         |          |
|-------------------------|----------|
| <b>Ferrule Material</b> | Zirconia |
|-------------------------|----------|

### Mechanical Specifications

|  |               |
|--|---------------|
| <b>Cable Retention Strength, maximum</b> | 1.00 lb @ 0 ° |
|--|---------------|

### Optical Specifications

|   |                  |
|---|------------------|
| <b>Fiber Mode</b>                         | Multimode        |
| <b>Insertion Loss Change, mating</b>      | 0.3 dB           |
| <b>Optical Components Standard</b>        | ANSI/TIA-568-C.3 |
| <b>Insertion Loss Change, temperature</b> | 0.3 dB           |
| <b>Insertion Loss, maximum</b>            | 0.3 dB           |
| <b>Return Loss, minimum</b>               | 27 dB            |

### Packaging and Weights

**Packaging quantity** 1

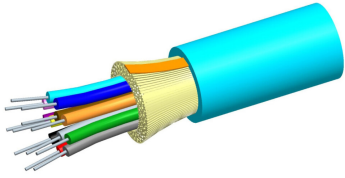
## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## \* Footnotes

**Insertion Loss Change, mating** TIA-568: Maximum insertion loss change after 500 matings

**Insertion Loss Change, temperature** Maximum insertion loss change from -10 °C to +60 °C (+14 °F to +140 °F)



Fiber indoor cable, LazrSPEED® Plenum Distribution Cable, 6 fiber single-unit, Multimode OM4, Feet jacket marking, Aqua jacket color

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   Latin America   Middle East/Africa   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor cable  |
| <b>Product Series</b>        | P-DS  |

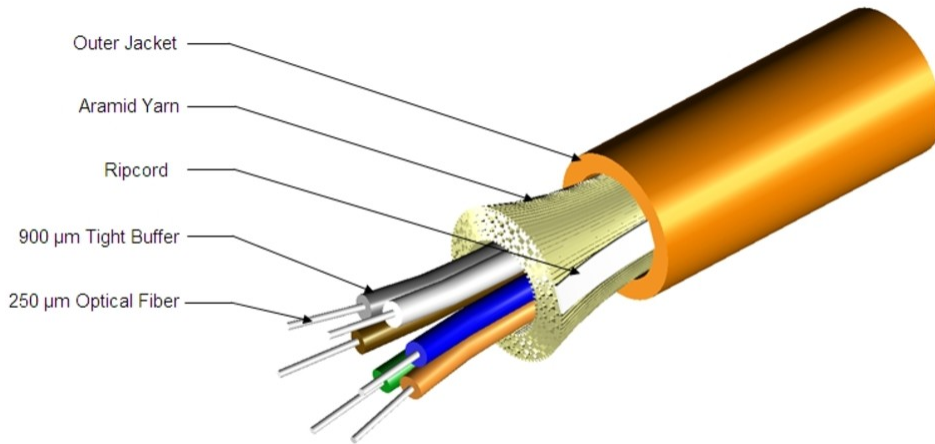
## General Specifications

|                          |              |
|--------------------------|--------------|
| <b>Cable Type</b>        | Distribution |
| <b>Construction Type</b> | Non-armored  |
| <b>Subunit Type</b>      | Gel-free     |
| <b>Jacket Color</b>      | Aqua         |
| <b>Jacket Marking</b>    | Feet         |
| <b>Total Fiber Count</b> | 6            |

## Dimensions

|                             |                    |
|-----------------------------|--------------------|
| <b>Diameter Over Jacket</b> | 4.74 mm   0.187 in |
|-----------------------------|--------------------|

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 71 mm   2.795 in                      |
| <b>Minimum Bend Radius, unloaded</b>     | 47 mm   1.85 in                       |
| <b>Tensile Load, long term, maximum</b>  | 200 N   44.962 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 667 N   149.948 lbf                   |
| <b>Compression</b>                       | 10 N/mm   57.101 lb/in                |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 100 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 5.88 N-m   52.042 in lb               |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 500 m   1,640.42 ft                   |

## Optical Specifications

|                   |   |
|-------------------|---|
| <b>Fiber Type</b> | OM4, LazrSPEED® 550   OM4, LazrSPEED® 550 |
|-------------------|---|

## Environmental Specifications

# 760012138 | P-006-DS-5K-FSUAQ

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Installation temperature</b>      | 0 °C to +70 °C (+32 °F to +158 °F)    |
| <b>Operating Temperature</b>         | -20 °C to +70 °C (-4 °F to +158 °F)   |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F)  |
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-83-596   Telcordia GR-409 |
| <b>Environmental Space</b>           | Plenum                                |
| <b>Flame Test Listing</b>            | NEC OFNP (ETL) and c(ETL)   UL 1651   |
| <b>Flame Test Method</b>             | NFPA 130   NFPA 262                   |

## Environmental Test Specifications

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Heat Age</b>                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                      |
| <b>Low High Bend</b>                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11           |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1             |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 22 kg/km   14.783 lb/kft |
|---------------------|--------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable