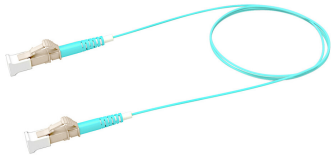


# FDXLCLC21

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## Base Product



OM4 LC/UPC to LC/UPC, Fiber Patch Cord, 1.6 mm Simplex, Plenum

## Product Classification

|                              |  |
|------------------------------|--|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   Europe   Latin America   Middle East /Africa   North America                              |
| <b>Portfolio</b>             | CommScope®   |
| <b>Product Type</b>          | Fiber patch cord, simplex  |
| <b>Product Brand</b>         | SYSTIMAX InstaPATCH® 360   |
| <b>Product Series</b>        | FDX  |
| <b>Ordering Note</b>         | For lengths greater than 999 ft (304 m), orders must be in meters   Minimum length may vary based on cable configuration |

## General Specifications

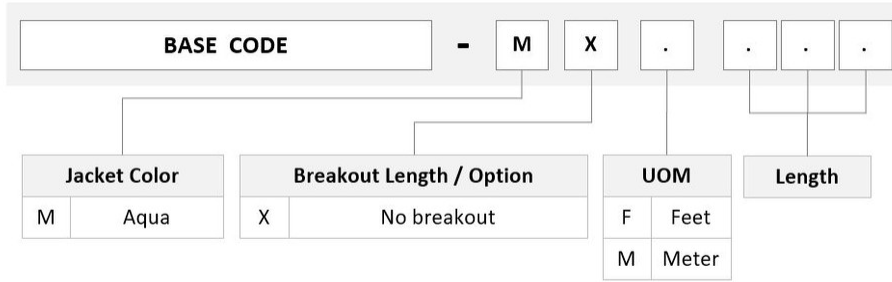
|                               |          |
|-------------------------------|----------|
| <b>Color, boot A</b>          | Aqua     |
| <b>Color, connector A</b>     | Black    |
| <b>Color, boot B</b>          | Aqua     |
| <b>Color, connector B</b>     | Black    |
| <b>Interface, Connector A</b> | LC/UPC   |
| <b>Interface, Connector B</b> | LC/UPC   |
| <b>Jacket Color</b>           | Aqua     |
| <b>Polarity</b>               | Method B |
| <b>Total Fibers, quantity</b> | 1        |

## Dimensions

|   |                   |
|---|-------------------|
| <b>Cable Assembly Length Range (m)</b>  | 1 – 999           |
| <b>Cable Assembly Length Range (ft)</b> | 1 – 999           |
| <b>Diameter Over Jacket</b>             | 1.6 mm   0.063 in |

## Ordering Tree

# FDXLCLC21



## Mechanical Specifications

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

## Optical Specifications

**Fiber Mode** Multimode

**Fiber Type** OM4, LazrSPEED®

## Environmental Specifications

**Operating Temperature** -10 °C to +60 °C (+14 °F to +140 °F)

**Environmental Space** Plenum

## Regulatory Compliance/Certifications

### Agency

CHINA-ROHS

ISO 9001:2015

REACH-SVHC

ROHS

UK-ROHS

### Classification

Below maximum concentration value

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

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

Compliant

Compliant



## Included Products

P-001-SP-5K-F16 – Fiber indoor cable, LazrSPEED® 1.6 mm Plenum Simplex, Multimode OM4, Feet jacket marking

# P-001-SP-5K-F16

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Fiber indoor cable, LazrSPEED® 1.6 mm Plenum Simplex, Multimode OM4, Feet jacket marking

## 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-SP  |

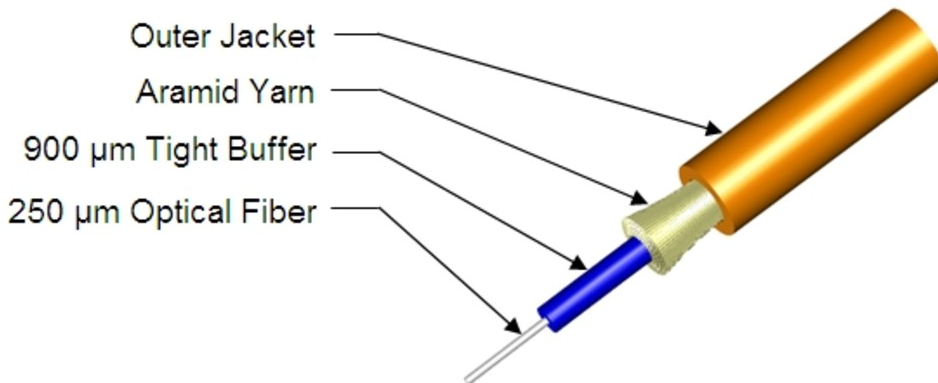
## General Specifications

|                          |             |
|--------------------------|-------------|
| <b>Cable Type</b>        | Cordage     |
| <b>Construction Type</b> | Non-armored |
| <b>Subunit Type</b>      | Gel-free    |
| <b>Jacket Marking</b>    | Feet        |
| <b>Total Fiber Count</b> | 1           |

## Dimensions

|                             |                   |
|-----------------------------|-------------------|
| <b>Diameter Over Jacket</b> | 1.7 mm   0.067 in |
|-----------------------------|-------------------|

## Representative Image



## Mechanical Specifications

|                                    |                  |
|------------------------------------|------------------|
| <b>Minimum Bend Radius, loaded</b> | 38 mm   1.496 in |
|------------------------------------|------------------|

# P-001-SP-5K-F16

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|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, unloaded</b>     | 15 mm   0.591 in                      |
| <b>Tensile Load, long term, maximum</b>  | 29 N   6.519 lbf                      |
| <b>Tensile Load, short term, maximum</b> | 7 N   1.574 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>                              | 300 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 0.74 N-m   6.55 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

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <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)             |
| <b>Flame Test Method</b>             | 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) |

# P-001-SP-5K-F16

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**Temperature Cycle Test Method**

FOTP-3 | IEC 60794-1 F1

## Packaging and Weights

**Cable weight**

3 kg/km | 2.016 lb/kft

## Regulatory Compliance/Certifications

**Agency**

**Classification**

ISO 9001:2015

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

## \* Footnotes

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