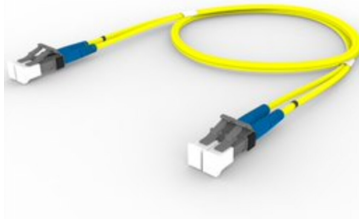


# FDWL6L642

## Base Product



Singlemode LC/UPC Keyed Slate to LC/UPC Keyed Slate Fiber Patch Cord, 1.6 mm Duplex, 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, duplex                                                                                                 |
| <b>Product Brand</b>         | SYSTIMAX InstaPATCH® 360                                                                                                 |
| <b>Product Series</b>        | FDW                                                                                                                      |
| <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>Connector A, quantity</b>          | 2        |
| <b>Color, boot A</b>                  | Blue     |
| <b>Color, connector A</b>             | Slate    |
| <b>Connector B, quantity</b>          | 2        |
| <b>Color, boot B</b>                  | Blue     |
| <b>Color, connector B</b>             | Slate    |
| <b>Interface, Connector A</b>         | LC/UPC   |
| <b>Interface Feature, connector A</b> | Keyed    |
| <b>Interface, Connector B</b>         | LC/UPC   |
| <b>Interface Feature, connector B</b> | Keyed    |
| <b>Jacket Color</b>                   | Yellow   |
| <b>Polarity</b>                       | Method B |
| <b>Total Fibers, quantity</b>         | 2        |

## Dimensions

|                                        |         |
|----------------------------------------|---------|
| <b>Cable Assembly Length Range (m)</b> | 1 – 999 |
|----------------------------------------|---------|

# FDWL6L642

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

## Ordering Tree



## Mechanical Specifications

|                                          |                                 |
|------------------------------------------|---------------------------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0 °   4.40 lb @ 90 ° |
|------------------------------------------|---------------------------------|

## Optical Specifications

|                   |                                |
|-------------------|--------------------------------|
| <b>Fiber Mode</b> | Singlemode                     |
| <b>Fiber Type</b> | G.652.D   G.657.A1, TeraSPEED® |

## Environmental Specifications

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Operating Temperature</b> | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Environmental Space</b>   | Plenum                               |

## Regulatory Compliance/Certifications

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



## Included Products

|                             |   |                                                                                                                    |
|-----------------------------|---|--------------------------------------------------------------------------------------------------------------------|
| 760102830<br>SDC-LCR-16-KSL | - | TeraSPEED® Pre-Radiused Keyed LC Connector for 1.6 mm Fiber, duplex Singlemode, slate                              |
| P-002-ZC-8W-F16             | - | Fiber indoor cable, TeraSPEED® 1.6mm Plenum Zipcord, 2 fiber, Singlemode G.652.D and G.657.A1, Feet jacket marking |



# 760102830 | SDC-LCR-16-KSL



TeraSPEED® Pre-Radiused Keyed LC Connector for 1.6 mm Fiber, duplex Singlemode, slate

## 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>         | TeraSPEED®                                                          |

## General Specifications

|                          |              |
|--------------------------|--------------|
| <b>Body Style</b>        | Duplex       |
| <b>Color</b>             | Slate        |
| <b>Ferrule Geometry</b>  | Pre-radiused |
| <b>Interface</b>         | LC/UPC       |
| <b>Interface Feature</b> | Keyed        |

## Dimensions

|                                  |                   |
|----------------------------------|-------------------|
| <b>Length</b>                    | 52 mm   2.047 in  |
| <b>Compatible Cable Diameter</b> | 1.6 mm   0.063 in |

## Material Specifications

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

## Mechanical Specifications

|                                          |                |
|------------------------------------------|----------------|
| <b>Cable Retention Strength, maximum</b> | 11.24 lb @ 0 ° |
|------------------------------------------|----------------|

## Optical Specifications

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| <b>Fiber Type</b>                         | G.652.D and G.657.A1, TeraSPEED®   OS2 |
| <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, typical</b>            | 0.2 dB                                 |
| <b>Return Loss, minimum</b>               | 50 dB                                  |

Packaging and Weights

**Packaging quantity** 2

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)

# P-002-ZC-8W-F16

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Fiber indoor cable, TeraSPEED® 1.6mm Plenum Zipcord, 2 fiber, Singlemode G.652.D and G.657.  
A1, 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-ZC                                                                              |

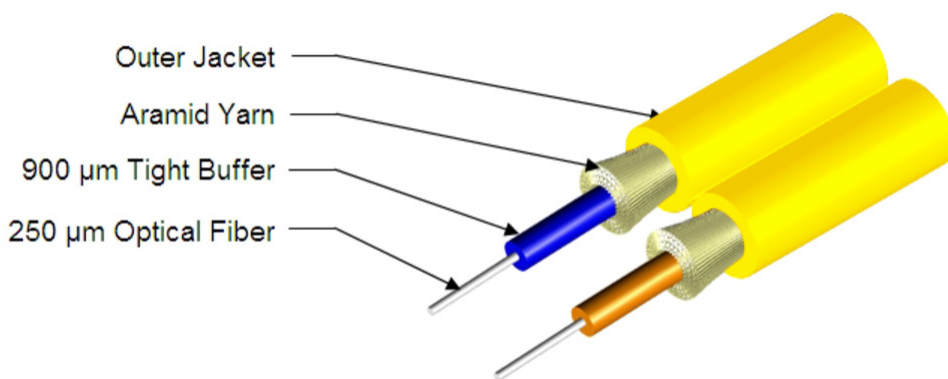
## General Specifications

|                          |             |
|--------------------------|-------------|
| <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> | 2           |

## Dimensions

|                           |                   |
|---------------------------|-------------------|
| <b>Height Over Jacket</b> | 1.7 mm   0.067 in |
| <b>Width Over Jacket</b>  | 3.5 mm   0.138 in |

## Representative Image



## Mechanical Specifications

# P-002-ZC-8W-F16

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|                                          |                                       |
|------------------------------------------|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 38 mm   1.496 in                      |
| <b>Minimum Bend Radius, unloaded</b>     | 15 mm   0.591 in                      |
| <b>Tensile Load, long term, maximum</b>  | 53 N   11.915 lbf                     |
| <b>Tensile Load, short term, maximum</b> | 178 N   40.016 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> | G.652.D and G.657.A1, TeraSPEED® |
|-------------------|----------------------------------|

## 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           |

# P-002-ZC-8W-F16

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**Temperature Cycle** -20 °C to +70 °C (-4 °F to +158 °F)

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

## Packaging and Weights

**Cable weight** 6 kg/km | 4.032 lb/kft

## Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015

**Classification**

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

## \* Footnotes

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