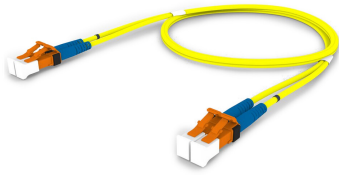


FDWL5L542

Base Product



Singlemode LC/UPC Keyed Orange to LC/UPC Keyed Orange Fiber Patch Cord, 1.6 mm Duplex, Plenum

Product Classification

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

General Specifications

| | |
|---------------------------------------|----------|
| Connector A, quantity | 2 |
| Color, boot A | Blue |
| Color, connector A | Orange |
| Connector B, quantity | 2 |
| Color, boot B | Blue |
| Color, connector B | Orange |
| Interface, Connector A | LC/UPC |
| Interface Feature, connector A | Keyed |
| Interface, Connector B | LC/UPC |
| Interface Feature, connector B | Keyed |
| Jacket Color | Yellow |
| Polarity | Method B |
| Total Fibers, quantity | 2 |

Dimensions

| | |
|--|---------|
| Cable Assembly Length Range (m) | 1 – 999 |
|--|---------|

FDWL5L542

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

Ordering Tree



Mechanical Specifications

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

Optical Specifications

| | |
|-------------------|--------------------------------|
| Fiber Mode | Singlemode |
| Fiber Type | G.652.D G.657.A1, TeraSPEED® |

Environmental Specifications

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

Regulatory Compliance/Certifications

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



Included Products

| | | |
|-----------------------------|---|--|
| 760102855 SDC-LCR-16-KOR | - | TeraSPEED® Pre-Radiused Keyed LC Connector for 1.6 mm Fiber, duplex Singlemode, orange |
| 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 |

760102855 | SDC-LCR-16-KOR



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

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | CommScope® |
| Product Type | Fiber connector |
| Product Brand | TeraSPEED® |

General Specifications

| | |
|--------------------------|--------------|
| Body Style | Duplex |
| Color | Orange |
| Ferrule Geometry | Pre-radiused |
| Interface | LC/UPC |
| Interface Feature | Keyed |

Dimensions

| | |
|----------------------------------|-------------------|
| Length | 52 mm 2.047 in |
| Compatible Cable Diameter | 1.6 mm 0.063 in |

Material Specifications

| | |
|-------------------------|----------|
| Ferrule Material | Zirconia |
|-------------------------|----------|

Mechanical Specifications

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

Optical Specifications

| | |
|--------------------------------------|--|
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® OS2 |
| Insertion Loss Change, mating | 0.3 dB |

| | |
|---|------------------|
| Optical Components Standard | ANSI/TIA-568-C.3 |
| Insertion Loss Change, temperature | 0.3 dB |
| Insertion Loss, typical | 0.2 dB |
| Return Loss, minimum | 50 dB |

Packaging and Weights

| | |
|---------------------------|---|
| Packaging quantity | 2 |
|---------------------------|---|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| 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 www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



* 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

Fiber indoor cable, TeraSPEED® 1.6mm Plenum Zipcord, 2 fiber, Singlemode G.652.D and G.657.
A1, Feet jacket marking

Product Classification

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

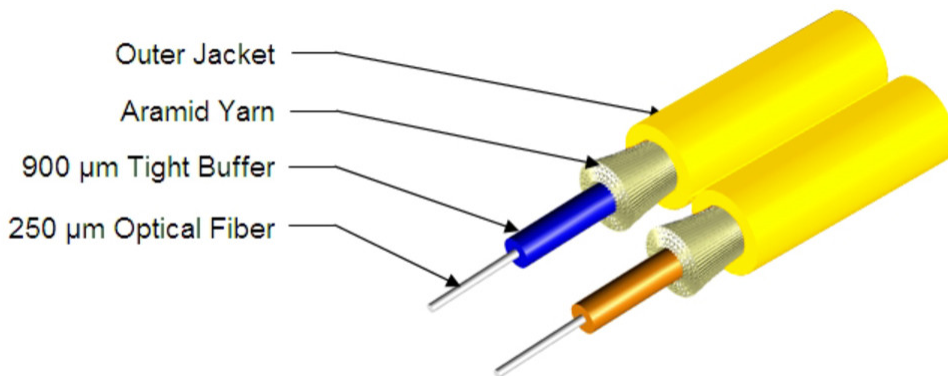
General Specifications

| | |
|--------------------------|-------------|
| Cable Type | Cordage |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Marking | Feet |
| Total Fiber Count | 2 |

Dimensions

| | |
|---------------------------|-------------------|
| Height Over Jacket | 1.7 mm 0.067 in |
| Width Over Jacket | 3.5 mm 0.138 in |

Representative Image



Mechanical Specifications

P-002-ZC-8W-F16

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 38 mm 1.496 in |
| Minimum Bend Radius, unloaded | 15 mm 0.591 in |
| Tensile Load, long term, maximum | 53 N 11.915 lbf |
| Tensile Load, short term, maximum | 178 N 40.016 lbf |
| Compression | 10 N/mm 57.101 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 300 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 0.74 N-m 6.55 in 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 |
| Vertical Rise, maximum | 500 m 1,640.42 ft |

Optical Specifications

| | |
|-------------------|----------------------------------|
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® |
|-------------------|----------------------------------|

Environmental Specifications

| | |
|--------------------------------------|---------------------------------------|
| Installation temperature | 0 °C to +70 °C (+32 °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) |
| Cable Qualification Standards | ANSI/ICEA S-83-596 Telcordia GR-409 |
| Environmental Space | Plenum |
| Flame Test Listing | NEC OFNP (ETL) and c(ETL) |
| Flame Test Method | NFPA 262 |

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 |

P-002-ZC-8W-F16

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