

## FFWLCLC42

**TeraSPEED® LC to LC, Fiber Patch Cord, 1.6 mm Duplex, LSZH**

### Construction Materials

Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 or G.652.D, G.657.A1   OS2)
Total Fibers, quantity	2

### Dimensions

Cord Length, maximum	999 ft   999 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	Low Smoke Zero Halogen (LSZH)
Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)

### General Specifications

Color, connector A	Blue
Color, connector B	Blue
Construction Type	Duplex patch cord
Interface, connector A	LC
Interface, connector B	LC
Interface Feature, connector A	Standard
Interface Feature, connector B	Standard

### Mechanical Specifications

Cable Retention Strength, maximum	4.40 lb @ 90 ° 11.24 lb @ 0 °
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### Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



### Included Products

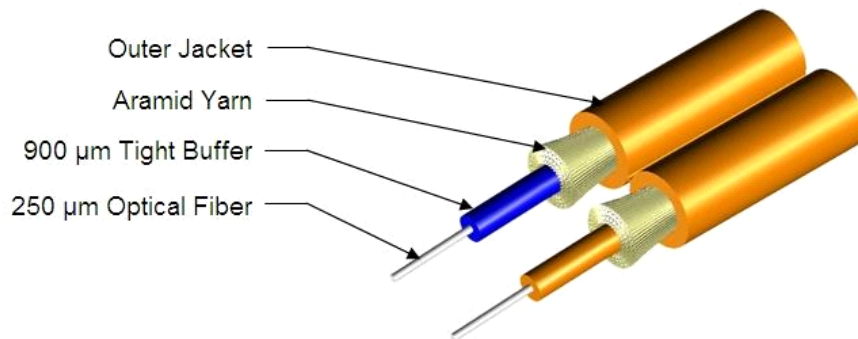
N-002-ZC-8W-F16 (Product Component—not orderable) — 1.6mm Low Smoke Zero Halogen Riser Zipcord Cable

460125206 (Product Component—not orderable) — Pre-Radiused LC Connector duplex for 1.6 mm Fiber, single-mode

N-002-ZC-8W-F16

**1.6mm Low Smoke Zero Halogen Riser Zipcord Cable**

## Representative Image



## General Specifications

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

## Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Total Fiber Count	2
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	2

## Dimensions

Cable Weight	4.0 lb/kft   6.0 kg/km
Height Over Jacket	1.70 mm   0.07 in
Width Over Jacket	3.50 mm   0.14 in

## Physical Specifications

Minimum Bend Radius, loaded	5.0 cm   2.0 in
Minimum Bend Radius, unloaded	3.0 cm   1.2 in
Tensile Load, long term, maximum	15 lbf   67 N
Tensile Load, short term, maximum	50 lbf   222 N
Vertical Rise, maximum	500.0 m   1640.4 ft

## Flame Test Specifications

Flame Test Listing	NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   UL 1666   UL 1685

N002-ZC-8WF16

## Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)   Riser
Installation Temperature	-20 °C to +60 °C (-4 °F to +140 °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

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-83-596   Telcordia GR-409
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## Regulatory Compliance/Certifications

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RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



### \* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

460125206

**Pre-Radiused LC Connector duplex for 1.6 mm Fiber, single-mode**

## Construction Materials

Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 or G.652.D, G.657.A1   OS2)
Ferrule Geometry	Pre-radiused
Ferrule Material	Zirconia

## Dimensions

Compatible Cable Diameter	1.6 mm   0.1 in
Length	50.30 mm   1.98 in

## General Specifications

Interface	LC
Body Style	Duplex
Interface Feature	Standard
Color	Blue
Package Quantity	2

## Mechanical Specifications

Cable Retention Strength, maximum	5.10 kg @ 0 ° 11.24 lb @ 0 °
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## Optical Performance

Insertion Loss, typical	0.20 dB
Return Loss, minimum	55.0 dB
Insertion Loss Change, mating	0.30 dB
Insertion Loss Change, temperature	0.30 dB

## Optical Specifications

Optical Components Standard	ANSI/TIA-568-C.3
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### \* Footnotes

Insertion Loss Change, mating	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)