



TeraSPEED® Indoor/Outdoor Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core Drop Cable

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

### Portfolio

CommScope®

### Product Type

Fiber drop cable

## General Specifications

### Cable Type

Riser rated low smoke

### Construction Type

Non-armored

### Fiber Type, quantity

2

### Fibers per Subunit, quantity

2

### Jacket Color

Black

### Subunit Type

Gel-filled

### Subunit, quantity

1

### Total Fiber Count

2

## Dimensions

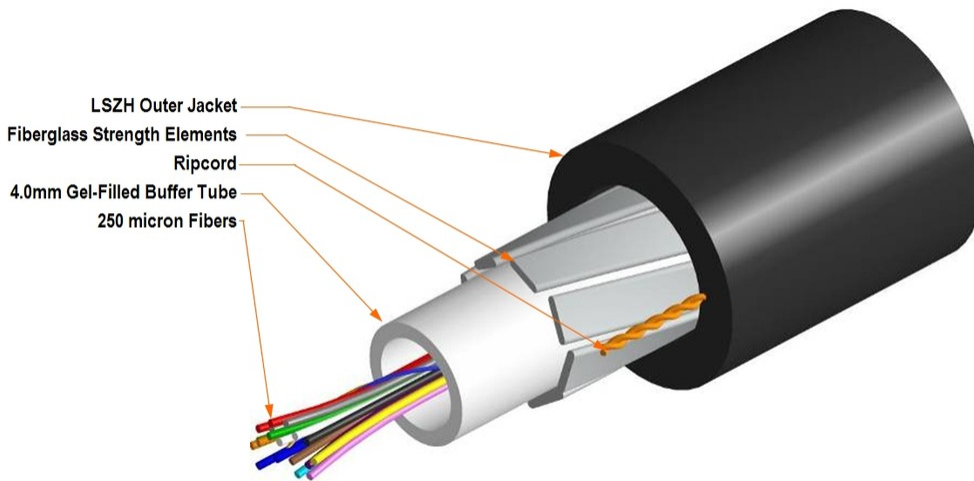
### Buffer Tube/Subunit Diameter

4 mm | 0.157 in

### Diameter Over Jacket

8.3 mm | 0.327 in

## Representative Image



## Material Specifications

**Jacket Material** Low Smoke Zero Halogen (LSZH)

## Mechanical Specifications

**Minimum Bend Radius, loaded** 12.5 cm | 4.921 in

**Minimum Bend Radius, unloaded** 8.3 cm | 3.268 in

**Tensile Load, long term, maximum** 400 N | 89.924 lbf

**Tensile Load, short term, maximum** 1334 N | 299.895 lbf

**Compression** 10 N/mm | 57.101 lb/in

**Compression Test Method** FOTP-41 | IEC 60794-1 E3

**Flex** 35 cycles

**Flex Test Method** FOTP-104 | IEC 60794-1 E6

**Impact** 2.94 N-m | 26.021 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** 572 m | 1,876.64 ft

## Optical Specifications

**Fiber Type** G.652.D and G.657.A1 , TeraSPEED® | G.652.D and G.657.A1, TeraSPEED® | OS2 | OS2

## Environmental Specifications

<b>Installation temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +75 °C (-40 °F to +167 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-110-717
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Dca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s2
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d1
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)   Riser
<b>Flame Test Listing</b>	NEC OFNR-LS (ETL) and c(ETL)
<b>Flame Test Method</b>	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   UL 1666   UL 1685
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

<b>Cable Freeze</b>	-2 °C   28.4 °F
<b>Cable Freeze Test Method</b>	FOTP-98   IEC 60794-1 F15
<b>Drip</b>	70 °C   158 °F
<b>Drip Test Method</b>	FOTP-81   IEC 60794-1 E14
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-20 °C to +60 °C (-4 °F to +140 °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>	72 kg/km   48.382 lb/kft
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## Regulatory Compliance/Certifications

Agency	Classification
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# 760103465 | Z-002-DN-8W-F02BK/D

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CENELEC

EN 50575 compliant, Declaration of Performance (DoP) available

ISO 9001:2015

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



## Included Products

CS-8W-IOLT - TeraSPEED® OS2 Singlemode Fiber

## \* Footnotes

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