

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

### Bundle, quantity

2

### Cable Type

Riser rated low smoke

### Construction Type

Non-armored

### Fiber Type, quantity

12

### Jacket Color

Black

### Second Fiber Type

OM3, LazrSPEED® 300

### Second Fiber Type, quantity

12

### Subunit Type

Gel-filled

### Subunit, quantity

1

### Total Fiber Count

24

## Dimensions

### Buffer Tube/Subunit Diameter

4 mm | 0.157 in

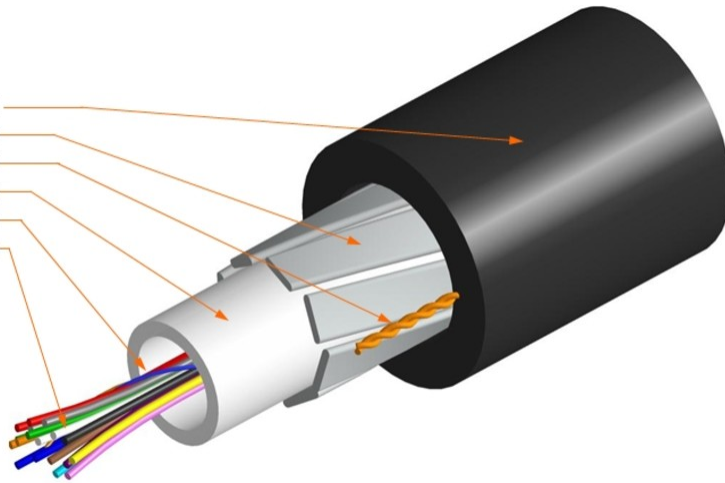
### Diameter Over Jacket

8.3 mm | 0.327 in

## Representative Image

16-Fiber Cable Shown

- LSZH Outer Jacket
- Fiberglass Strength Elements
- Ripcord
- 4.0mm Gel-Filled Buffer Tube
- Binder Identification Threads
- 250 micron Fibers



## Material Specifications

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

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	12.5 cm   4.921 in
<b>Minimum Bend Radius, unloaded</b>	8.3 cm   3.268 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1334 N   299.895 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>	35 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	2.94 N-m   26.021 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>	572 m   1,876.64 ft

## Optical Specifications

**Fiber Type** Composite MM/SM | G.652.D and G.657.A1, TeraSPEED® | G.652.D and G.657.A1, TeraSPEED® | OM3, LazrSPEED® 300 | 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>	-20 °C to +75 °C (-4 °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 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

<b>Agency</b>	<b>Classification</b>
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