

TeraSPEED® Indoor/Outdoor Gel-filled loose tube, Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core Drop Cable, Dca flame rating

## Product Classification

<b>Regional Availability</b>	EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber drop cable
<b>Product Series</b>	C-DN

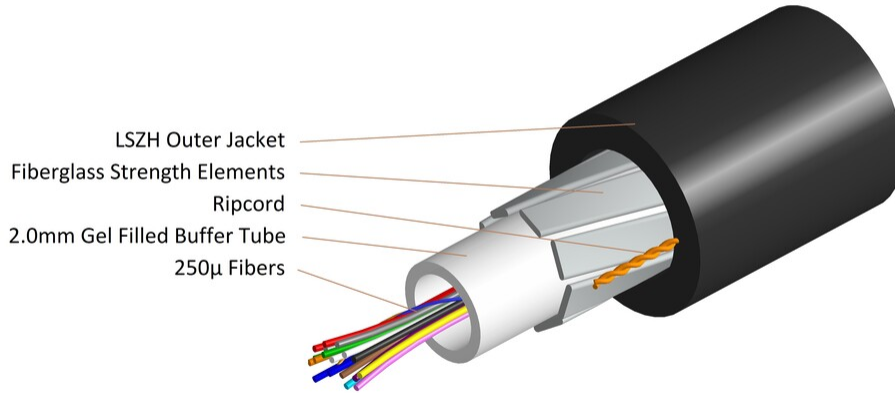
## General Specifications

<b>Cable Type</b>	Central loose tube   Drop
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-filled
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Subunit, quantity</b>	1
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	12

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2 mm   0.079 in
<b>Diameter Over Jacket</b>	6.1 mm   0.24 in

## Representative Image



## Material Specifications

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

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	91 mm   3.583 in
<b>Minimum Bend Radius, unloaded</b>	61 mm   2.402 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>	2.21 N-m   19.56 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>	927 m   3,041.339 ft

## Optical Specifications

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

## Environmental Specifications

**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 +75 °C (-40 °F to +167 °F)  
**Cable Qualification Standards** ANSI/ICEA S-110-717 | EN 187105 | Telcordia GR-409  
**EN50575 CPR Cable EuroClass Fire Performance** Dca  
**EN50575 CPR Cable EuroClass Smoke Rating** s1a  
**EN50575 CPR Cable EuroClass Droplets Rating** d0  
**EN50575 CPR Cable EuroClass Acidity Rating** a1  
**Environmental Space** Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH)  
**Flame Test Listing** IEC 60332-1-2  
**Flame Test Method** EN 50399 | IEC 60754-2 | IEC 61034-2  
**Jacket UV Resistance** UV stabilized  
**Water Penetration** 24 h  
**Water Penetration Test Method** FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

**Cable Freeze** -2 °C | 28.4 °F  
**Cable Freeze Test Method** FOTP-98 | IEC 60794-1 F15  
**Drip** 70 °C | 158 °F  
**Drip Test Method** FOTP-81 | IEC 60794-1 E14  
**Heat Age Test Method** IEC 60794-1 F9  
**Low High Bend** -20 °C to +60 °C (-4 °F to +140 °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

## Packaging and Weights

**Cable weight** 44 kg/km | 29.567 lb/kft

## Included Products

CS-8W-LT - TeraSPEED® G652D/G657A1 Singlemode Fiber

## \* Footnotes

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