

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

## Product Classification

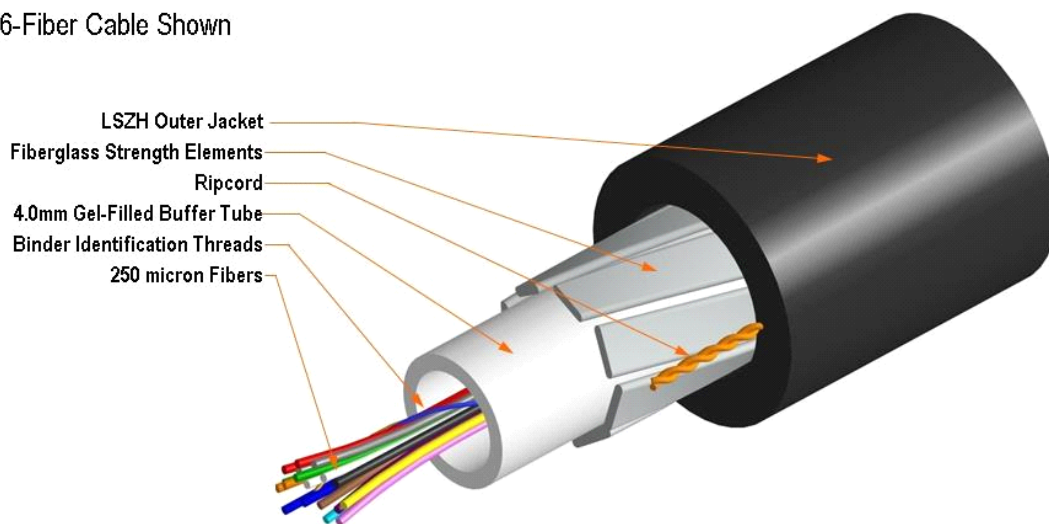
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber drop cable
<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America

## Standards And Qualifications

<b>EN50575 CPR Cable EuroClass</b>	Dca   s2   d1   a1
<b>Cable Qualification Standards</b>	ANSI/ICEA S-110-717

## Representative Image

16-Fiber Cable Shown



## General Specifications

<b>Cable Type</b>	Riser rated low smoke
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-filled

## Construction Materials

<b>Fiber Type Solution</b>	Composite MM/SM   G.652.D and G.657.A1 , TeraSPEED®   OM3, LazrSPEED® 300   OS2
<b>Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Total Fiber Count</b>	24
<b>Fiber Type</b>	G.652.D and G.657.A1, TeraSPEED®   OS2
<b>Fiber Type, quantity</b>	12
<b>Jacket Color</b>	Black
<b>Jacket UV Resistance</b>	UV stabilized
<b>Second Fiber Type</b>	OM3, LazrSPEED® 300
<b>Second Fiber Type, quantity</b>	12

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	4.00 mm   0.16 in
<b>Bundle, quantity</b>	2
<b>Cable Weight</b>	48.0 lb/kft   72.0 kg/km
<b>Diameter Over Jacket</b>	8.30 mm   0.33 in
<b>Subunit, quantity</b>	1

## Physical Specifications

<b>Minimum Bend Radius, loaded</b>	12.5 cm   4.9 in
<b>Minimum Bend Radius, unloaded</b>	8.3 cm   3.3 in
<b>Tensile Load, long term, maximum</b>	400 N   90 lbf
<b>Tensile Load, short term, maximum</b>	1334 N   300 lbf
<b>Vertical Rise, maximum</b>	572.0 m   1876.6 ft

## Flame Test Specifications

<b>Flame Test Method</b>	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   UL 1666   UL 1685
--------------------------	--

## Environmental Specifications

<b>Environmental Space</b>	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)   Riser
<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)

## Mechanical Test Specifications

<b>Compression</b>	10 N/mm   57 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>	2.17 ft lb   2.94 N-m
<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>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 °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

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available



## Included Products

CS-8W-IOLT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

## \* Footnotes

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