

TeraSPEED® Indoor/Outdoor, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), Gel Filled , Stranded Loose Tube Cable

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

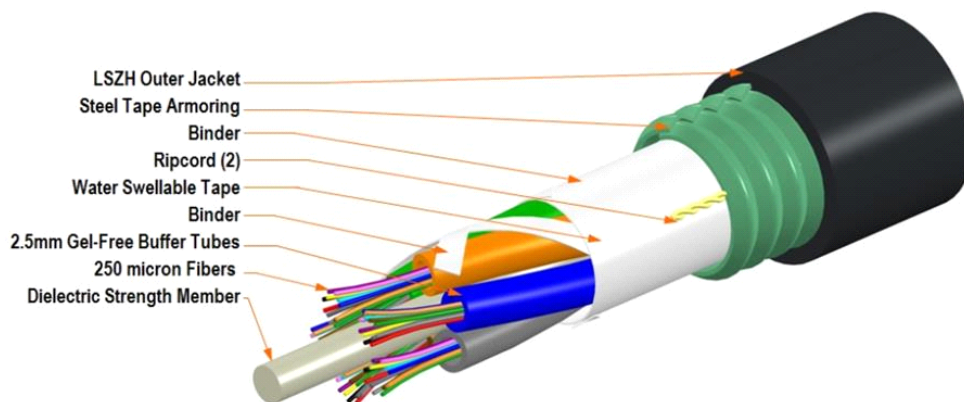
## Product Classification

<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor/outdoor cable
<b>Regional Availability</b>	EMEA

## Standards And Qualifications

<b>EN50575 CPR Cable EuroClass</b>	Cca   s2   d2   a1
<b>Cable Qualification Standards</b>	EN 187105   IEC 60794-1-2

## Representative Image



## General Specifications

<b>Construction Type</b>	Armored
<b>Cable Type</b>	Stranded loose tube
<b>Subunit Type</b>	Gel-filled

## Construction Materials

<b>Fiber Type Solution</b>	G.652.D and G.657.A1 , TeraSPEED®   OS2
<b>Total Fiber Count</b>	24

<b>Armor Type</b>	Corrugated steel
<b>Fiber Type</b>	G.652.D and G.657.A1, TeraSPEED®   OS2
<b>Fiber Type, quantity</b>	24
<b>Fibers per Subunit, quantity</b>	12
<b>Jacket Color</b>	Black
<b>Jacket UV Resistance</b>	UV stabilized

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.00 mm   0.08 in
<b>Cable Weight</b>	199.4 kg/km
<b>Diameter Over Jacket</b>	12.30 mm   0.48 in
<b>Subunit, quantity</b>	6

## Physical Specifications

<b>Minimum Bend Radius, loaded</b>	200.0 mm   7.9 in
<b>Minimum Bend Radius, unloaded</b>	133.0 mm   5.2 in
<b>Tensile Load, long term, maximum</b>	800 N   180 lbf
<b>Tensile Load, short term, maximum</b>	2700 N   607 lbf
<b>Vertical Rise, maximum</b>	432.0 m   1417.3 ft

## Flame Test Specifications

<b>Flame Test Method</b>	IEC 60332-1-2   IEC 60754-2   IEC 61034-2
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## Environmental Specifications

<b>Environmental Space</b>	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)
<b>Installation Temperature</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +75 °C (-40 °F to +167 °F)

## Mechanical Test Specifications

<b>Compression</b>	44 N/mm
<b>Compression Test Method</b>	IEC 60794-1 E3
<b>Flex</b>	35 cycles
<b>Flex Test Method</b>	IEC 60794-1 E6
<b>Impact</b>	10.00 N-m   7.38 ft lb
<b>Impact Test Method</b>	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>	IEC 60794-1 E7
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5

## Environmental Test Specifications

<b>Cable Freeze</b>	-2 °C   28 °F
<b>Cable Freeze Test Method</b>	IEC 60794-1 F15
<b>Heat Age</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Low High Bend Test Method</b>	IEC 60794-1 E11
<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1 F1

## Regulatory Compliance/Certifications

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