

TeraSPEED® Single Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable

## Product Classification

### Regional Availability

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

### Portfolio

CommScope®

### Product Type

Fiber OSP cable

## General Specifications

### Cable Type

Stranded loose tube

### Construction Type

Non-armored

### Fiber Type, quantity

36

### Fibers per Subunit, quantity

12

### Jacket Color

Black

### Second Fiber Type

OM4, LazrSPEED® 550

### Second Fiber Type, quantity

36

### Subunit Type

Gel-free

### Subunit, quantity

6

### Total Fiber Count

72

## Dimensions

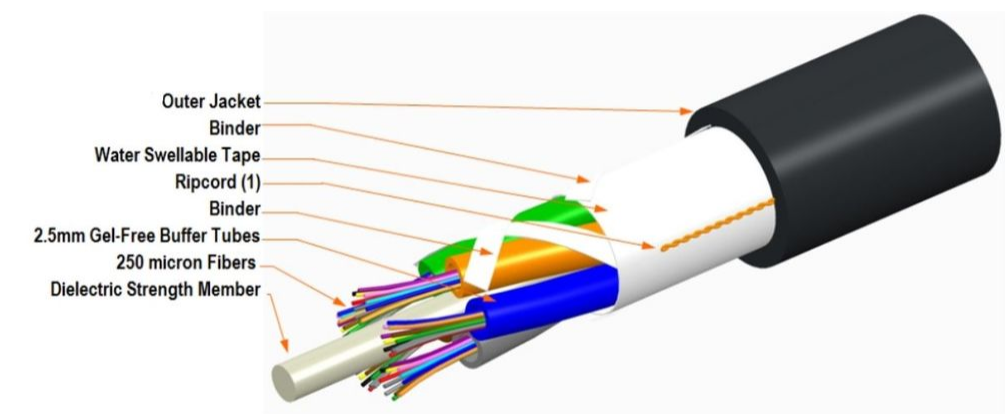
### Buffer Tube/Subunit Diameter

2.5 mm | 0.098 in

### Diameter Over Jacket

10.5 mm | 0.413 in

## Representative Image



Material Specifications

Jacket MaterialPE

Mechanical Specifications

Minimum Bend Radius, loaded401.3 mm | 15.799 in

Minimum Bend Radius, unloaded105 mm | 4.134 in

Tensile Load, long term, maximum800 N | 179.847 lbf

Tensile Load, short term, maximum2700 N | 606.984 lbf

Compression22 N/mm | 125.623 lb/in

Compression Test MethodFOTP-41 | IEC 60794-1 E3

Flex35 cycles

Flex Test MethodFOTP-104 | IEC 60794-1 E6

# 760229625 | D-072-LN-CM-F12NS/8W036/5K036

<b>Impact</b>	4.41 N-m   39.032 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>	1170 m   3,838.583 ft

## Optical Specifications

<b>Fiber Type</b>	Composite MM/SM   G.652.D and G.657.A1, TeraSPEED®   G.652.D and G.657.A1, TeraSPEED®   OM4, LazrSPEED® 550   OS2   OS2
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## Environmental Specifications

<b>Installation temperature</b>	-30 °C to +70 °C (-22 °F to +158 °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)
<b>Cable Qualification Standards</b>	ANSI/CEA S-87-640   EN 187105   Telcordia GR-20
<b>Environmental Space</b>	Aerial, lashed   Buried
<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>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>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	70 kg/km   47.038 lb/kft
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## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015



### Classification

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

## Included Products

CS-5K-LT — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

CS-8W-LT — TeraSPEED® OS2 Singlemode Fiber

## \* Footnotes

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