

Fiber OSP cable, TeraSPEED® Single Jacket All-Dielectric, 96 fiber, Gel-Free, Stranded Loose Tube, Singlemode G.652.D and G.657.Al, Feet jacket marking, Black jacket color

### **Product Classification**

Regional Availability

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

America

 Portfolio
 CommScope®

 Product Type
 Fiber OSP cable

Product Series D-LN

General Specifications

Cable Type Stranded loose tube

Construction Type Non-armored

Subunit TypeGel-freeJacket ColorBlackJacket MarkingFeetSubunit, quantity8

Fibers per Subunit, quantity 12

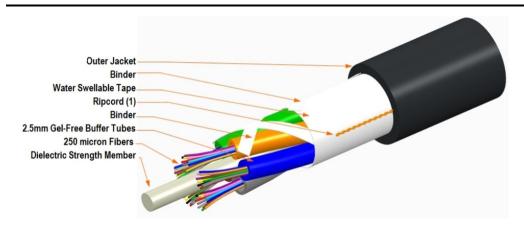
Total Fiber Count 96

**Dimensions** 

Buffer Tube/Subunit Diameter2.5 mm0.098 inDiameter Over Jacket12 mm0.472 in

Representative Image





## Material Specifications

Jacket Material PE

## Mechanical Specifications

Minimum Bend Radius, loaded180 mm7.087 inMinimum Bend Radius, unloaded120 mm4.724 inTensile Load, long term, maximum800 N179.847 lbfTensile Load, short term, maximum2700 N606.984 lbf

 Compression
 22 N/mm | 125.623 lb/in

 Compression Test Method
 FOTP-41 | IEC 60794-1 E3

Flex 25 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 4.41 N-m | 39.032 in lb

Impact Test Method FOTP-25 | IEC 60794-1 E4

**Strain** See long and short term tensile loads

Strain Test Method FOTP-33 | IEC 60794-1 E1

Twist 10 cycles

Twist Test Method FOTP-85 | IEC 60794-1 E7

**Vertical Rise, maximum** 904 m | 2,965.879 ft

Optical Specifications

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



## **Environmental Specifications**

Installation temperature -30 °C to +70 °C (-22 °F to +158 °F) -40 °C to +70 °C (-40 °F to +158 °F) **Operating Temperature Storage Temperature** -40 °C to +75 °C (-40 °F to +167 °F) **Cable Qualification Standards** ANSI/ICEA S-87-640 | EN 187105

**Environmental Space** Aerial, lashed | Buried

UV stabilized **Jacket UV Resistance** 

**Water Penentration** 24 h

**Water Penentration 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

**Heat Age** -40 °C to +85 °C (-40 °F to +185 °F)

IEC 60794-1 F9 **Heat Age Test Method** 

Low High Bend -30 °C to +60 °C (-22 °F to +140 °F)

**Low High Bend Test Method** FOTP-37 | IEC 60794-1 E11

**Temperature Cycle** -40 °C to +70 °C (-40 °F to +158 °F)

FOTP-3 | IEC 60794-1 F1 **Temperature Cycle Test Method** 

Packaging and Weights

Cable weight 90 kg/km | 60.477 lb/kft

## Regulatory Compliance/Certifications

#### Agency Classification

CHINA-ROHS Below maximum concentration value

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system **REACH-SVHC** Compliant as per SVHC revision on www.commscope.com/ProductCompliance

**ROHS** Compliant **UK-ROHS** Compliant





#### Included Products



CS-8W-LT

 TeraSPEED® G652D/G657A1 Singlemode Fiber

# \* Footnotes

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

