

Fiber OSP cable, TeraSPEED® Blown Micro Single Jacket, 24 fiber, All-Dielectric Stranded Loose Tube Arid-Core™ Construction, Gel-filled, Singlemode G.652.D and G.657.Al, Meters jacket marking, Black jacket color

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America

Portfolio CommScope®
Product Type Fiber OSP cable

Product Series B-LN

General Specifications

Cable Type Stranded loose tube

Construction Type Non-armored

**Subunit Type** Gel-filled

Filler, quantity 3

Jacket Color
Black
Jacket Marking
Meters
Jacket Marking Method
Laser

Jacket Marking Text COMMSCOPE OPTICAL CABLE OS2 SM 24F (SERIAL NUMBER) MM/YYYY XXXXXXXM

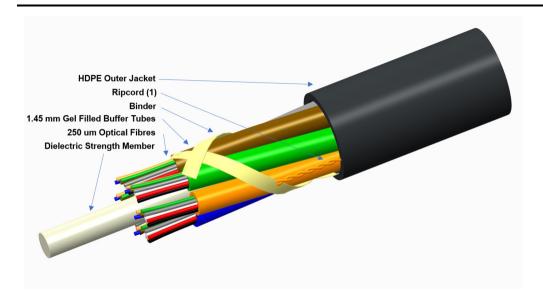
Subunit, quantity 2
Fibers per Subunit, quantity 12
Total Fiber Count 24

**Dimensions** 

Buffer Tube/Subunit Diameter1.45 mm | 0.057 inDiameter Over Jacket5.1 mm | 0.201 in

## Representative Image





### Material Specifications

Jacket Material High density polyethylene (HDPE)

### Mechanical Specifications

Minimum Bend Radius, loaded77 mm | 3.031 inMinimum Bend Radius, unloaded51 mm | 2.008 inTensile Load, long term, maximum97 N | 21.806 lbfTensile Load, short term, maximum324 N | 72.838 lbf

**Compression** 10 N/mm | 57.101 lb/in

**Compression Test Method** IEC 60794-1-21 E3

Flex 25 cycles

Flex Test Method IEC 60794-1 E6

**Impact** 0.3 N-m | 2.655 in lb

Impact Test Method IEC 60794-1-21 E4

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

Strain Test Method IEC 60794-1-21 E1

Twist 10 cycles

Twist Test Method IEC 60794-1-21 E7

**Vertical Rise, maximum** 492 m | 1,614.173 ft

**Optical Specifications** 



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

## **Environmental Specifications**

Installation temperature  $-30 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-22  $^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

Operating Temperature  $-30 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-22  $^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

Storage Temperature  $-30 \,^{\circ}\text{C}$  to  $+75 \,^{\circ}\text{C}$  (-22  $^{\circ}\text{F}$  to  $+167 \,^{\circ}\text{F}$ )

Cable Qualification Standards IEC 60794-5-10

**Environmental Space** Air-blown, microduct

Jacket UV Resistance UV stabilized

Water Penetration 24 h

**Water Penetration Test Method** IEC 60794-1 F4

#### **Environmental Test Specifications**

 Cable Freeze
 -2 °C | 28.4 °F

 Cable Freeze Test Method
 IEC 60794-1 F15

 Drip
 70 °C | 158 °F

**Drip Test Method** IEC 60794-1-21 E14

Heat Age -30 °C to +85 °C (-22 °F to +185 °F)

**Heat Age Test Method** IEC 60794-1-22 F9

**Low High Bend**  $-30 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (-22  $^{\circ}\text{F}$  to  $+140 \,^{\circ}\text{F}$ )

**Low High Bend Test Method** IEC 60794-1-21 E11

**Temperature Cycle** -30 °C to +70 °C (-22 °F to +158 °F)

**Temperature Cycle Test Method** IEC 60794-1-22 F1

Packaging and Weights

Cable weight 22 kg/km | 14.783 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

