

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

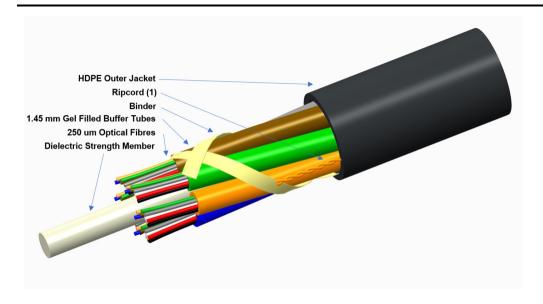
Subunit, quantity 2
Fibers per Subunit, quantity 12
Total Fiber Count 24

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

