

Fiber OSP cable, LightScope® ZWP Blown Micro Single Jacket, 2-fiber, All-Dielectric Stranded Loose Tube Arid-Core™ Construction, Gel-filled, 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 B-LN

General Specifications

 Cable Type
 Stranded loose tube

Construction Type Non-armored

Subunit Type Gel-filled

Filler, quantity

Jacket ColorBlackJacket MarkingFeetJacket Marking MethodLaser

Jacket Marking Text COMMSCOPE OPTICAL CABLE OS2 SM 2F (SERIAL NUMBER) MM/YYYY

XXXXXXXFT

Subunit, quantity 1
Fibers per Subunit, quantity 2

Dimensions

Total Fiber Count

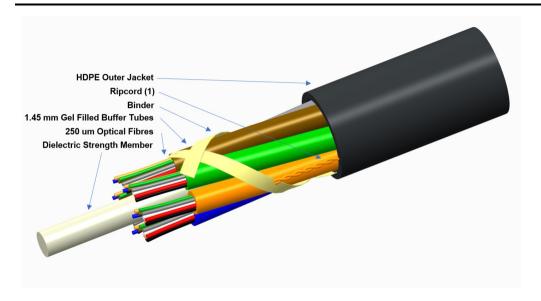
Buffer Tube/Subunit Diameter1.45 mm | 0.057 inDiameter Over Jacket5.1 mm | 0.201 in

Representative Image



97 N | 21.806 lbf

10 cycles



Material Specifications

Tensile Load, long term, maximum

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded 208.3 mm | 8.201 in

Minimum Bend Radius, unloaded 55 mm | 2.165 in

Tensile Load, short term, maximum 324 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 Test Method IEC 60794-1-21 E7

Vertical Rise, maximum 492 m | 1,614.173 ft

Optical Specifications

Twist

Page 2 of 4

Fiber Type G.652.D | G.652.D and G.657.A1

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 StandardsIEC 60794-5-10Environmental SpaceAir-blown, microduct

Jacket UV Resistance UV stabilized

Water Penetration 23 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

-30 °C to +85 °C (-22 °F to +185 °F)

Heat Age Test Method IEC 60794-1-22 F9

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

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

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

Temperature Cycle Test Method IEC 60794-1-22 F1

Packaging and Weights

Cable weight 20 kg/km | 13.439 lb/kft

Regulatory Compliance/Certifications

Classification
Below maximum concentration value
Designed, manufactured and/or distributed under this quality management system
Compliant as per SVHC revision on www.commscope.com/ProductCompliance
Compliant
Compliant





Included Products

DB-8W-MICROLT - LightScope® ZWP Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

