

Fiber OSP cable, LightScope ZWP® Blown Micro Single Jacket, 72 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 EMEA

 Portfolio
 CommScope®

 Product Type
 Fiber OSP cable

Product Series B-LN

## General Specifications

Cable TypeStranded loose tube

**Construction Type** Non-armored

**Subunit Type** Gel-filled

Jacket Color Black

Jacket Marking Meters

Subunit, quantity 6

Fibers per Subunit, quantity 12

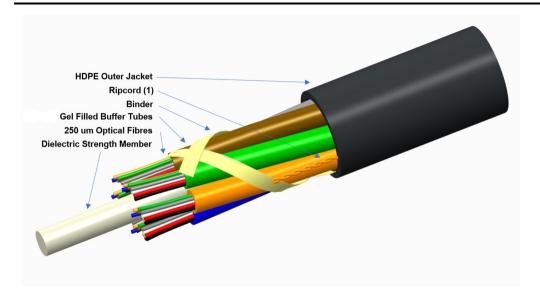
Total Fiber Count 72

### Dimensions

**Buffer Tube/Subunit Diameter** 1.25 mm | 0.049 in **Diameter Over Jacket** 4.6 mm | 0.181 in

## Representative Image





## Material Specifications

Jacket Material High density polyethylene (HDPE)

### Mechanical Specifications

Minimum Bend Radius, loaded 150 mm | 5.906 in

Minimum Bend Radius, unloaded 90 mm | 3.543 in

Tensile Load, long term, maximum 400 N | 89.924 lbf

**Tensile Load, short term, maximum** 1000 N | 224.809 lbf

**Compression** 5 N/mm | 28.551 lb/in

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

Flex 25 cycles

Flex Test Method IEC 60794-1 E6

**Impact** 1 N-m | 8.851 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

Optical Specifications

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



### **Environmental Specifications**

Installation temperature  $-15~^{\circ}\text{C}$  to  $+40~^{\circ}\text{C}$  (+5  $^{\circ}\text{F}$  to  $+104~^{\circ}\text{F}$ )

**Operating Temperature**  $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

**Storage Temperature**  $-40 \,^{\circ}\text{C} \text{ to } +75 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +167 \,^{\circ}\text{F})$ 

**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**

**Drip** 70 °C | 158 °F

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

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

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

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

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

Packaging and Weights

Cable weight 19 kg/km | 12.767 lb/kft

### Regulatory Compliance/Certifications

#### Agency Classification

CHINA-ROHS Below maximum concentration value

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



### Included Products

DB-8W-LT - LightScope ZWP® Singlemode

Fiber

\* Footnotes

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