

Fiber OSP cable, LightScope® ZWP Blown Micro Single Jacket All-Dielectric, 96 fiber, Stranded Loose Tube Arid-Core™ Construction, Gelfilled, Singlemode G.652.D and G.657.Al, Feet jacket marking, Black jacket color

#### **OBSOLETE**

This product was discontinued on: December 7, 2020

#### **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 0

Jacket ColorBlackJacket MarkingFeet

Subunit, quantity 8

Fibers per Subunit, quantity 12

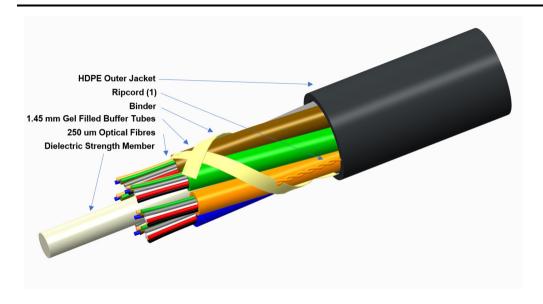
**Total Fiber Count** 96

#### **Dimensions**

Buffer Tube/Subunit Diameter1.45 mm0.057 inDiameter Over Jacket6.5 mm0.256 in

### Representative Image





#### Material Specifications

Jacket Material High density polyethylene (HDPE)

#### Mechanical Specifications

Minimum Bend Radius, loaded98 mm | 3.858 inMinimum Bend Radius, unloaded65 mm | 2.559 inTensile Load, long term, maximum267 N | 60.024 lbfTensile Load, short term, maximum890 N | 200.08 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** 752 m | 2,467.192 ft

**Optical Specifications** 



**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 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 38 kg/km | 25.535 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-250-EMEA – LightScope® ZWP Singlemode Fiber 8W-250um

#### \* Footnotes

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

