

Fiber OSP cable, TeraSPEED® Mini Single Jacket All-Dielectric, High Tensile Strength, 48 fiber, Singlemode G.652.D and G.657.Al, Gel-Filled, Outdoor Stranded Loose Tube, Black jacket color, Meters cable marking, Provides Rodent Resistance

### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA

Portfolio CommScope®
Product Type Fiber OSP cable

**Product Series** O-LN

### General Specifications

Cable Type Stranded loose tube

Construction Type Non-armored

**Subunit Type** Gel-filled

Filler, quantity 2

Jacket Color

Jacket Marking

Meters

Jacket Marking Method

Inkjet

Jacket Marking Text COMMSCOPE GB OPTICAL CABLE 760244891 OS2 SM 48 MDPE [SERIAL NUMBER]

[METRE MARK]

Subunit, quantity 4

Fibers per Subunit, quantity 12

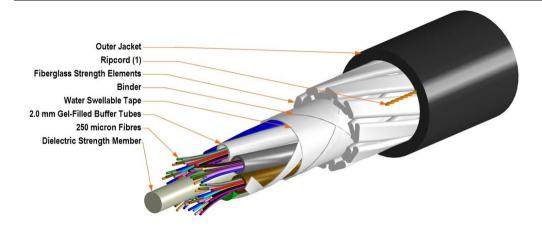
Total Fiber Count 48

**Dimensions** 

**Buffer Tube/Subunit Diameter** 2 mm | 0.079 in **Diameter Over Jacket** 11.6 mm | 0.457 in

## Representative Image





## Material Specifications

Jacket Material PE

## Mechanical Specifications

Minimum Bend Radius, loaded174 mm | 6.85 inMinimum Bend Radius, unloaded116 mm | 4.567 inTensile Load, long term, maximum1350 N | 303.492 lbfTensile Load, short term, maximum4500 N | 1,011.641 lbfCompression22 N/mm | 125.623 lb/inCompression Test MethodFOTP-41 | IEC 60794-1 E3

Flex 25 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 2.94 N-m | 26.021 in lb

**Impact Test Method** FOTP-25 | IEC 60794-1 E4

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

**Strain Test Method** FOTP-33 | IEC 60794-1 E1

Twist 10 cycles

**Twist Test Method** FOTP-85 | IEC 60794-1 E7

**Vertical Rise, maximum** 1345 m | 4,412.73 ft

**Optical Specifications** 

**Fiber Type** G.652.D and G.657.A1, TeraSPEED® | OS2

## **Environmental Specifications**



Page 2 of 4

Installation temperature  $-10 \,^{\circ}\text{C}$  to  $+50 \,^{\circ}\text{C}$  (+14  $^{\circ}\text{F}$  to +122  $^{\circ}\text{F}$ )

Operating Temperature  $-30 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (-22  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

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

Cable Qualification Standards ANSI/ICEA S-87-640 | EN 187105 | IEC 60794-1-2

Jacket UV Resistance UV stabilized

Water Penetration 24 h

Water Penetration Test Method FOTP-82 | IEC 60794-1 F5

#### **Environmental Test Specifications**

**Cable Freeze** -2 °C | 28.4 °F

**Cable Freeze Test Method** FOTP-98 | IEC 60794-1 F15

**Drip** 70 °C | 158 °F

**Drip Test Method** FOTP-81 | IEC 60794-1 E14

**Heat Age** 0 °C to +85 °C (+32 °F to +185 °F)

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

**Low High Bend**  $-15 \,^{\circ}\text{C} \text{ to } +40 \,^{\circ}\text{C} \, (+5 \,^{\circ}\text{F to } +104 \,^{\circ}\text{F})$ 

**Low High Bend Test Method** FOTP-37 | IEC 60794-1 E11

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

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

Packaging and Weights

**Cable weight** 112 kg/km | 75.261 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

Page 3 of 4



8W-250um

LightScope® ZWP Singlemode Fiber

## \* Footnotes

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