# 810010116/DB | B-002-CN-8F-M02BK/30G



Fiber OSP cable, LightScope ZWP® Blown Single Jacket All-Dielectric 2-fiber, Central Tube Construction, Singlemode G.657.A1, Gel-filled, Meters jacket marking, Black jacket color

#### **Product Classification**

Regional Availability Europe

PortfolioCommScope®Product TypeFiber OSP cable

**Product Series** B-CN

### General Specifications

Cable Type Central tube, all dielectric | Microcable

Construction TypeNon-armoredSubunit TypeGel-filled

Filler, quantity

Inner Jacket Color White

Jacket Color Black

Jacket Marking Method Inkjet

Jacket Marking Text COMMSCOPE GB OPTICAL CABLE BLW 810010116/DB

2x G657A1 SM HDPE [SERIAL NUMBER] [METER MARK]

Subunit, quantity 1

Fibers per Subunit, quantity 2

Total Fiber Count 2

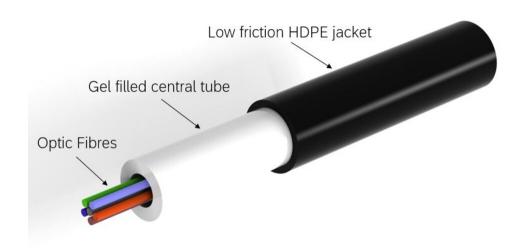
Dimensions

Buffer Tube/Subunit Diameter3 mm | 0.118 inDiameter Over Jacket3.9 mm | 0.154 in

## Representative Image



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### Material Specifications

Jacket Material High density polyethylene (HDPE)

## Mechanical Specifications

Minimum Bend Radius, loaded47 mm1.85 inMinimum Bend Radius, storage coils47 mm1.85 inMinimum Bend Radius, unloaded47 mm1.85 inTensile Load, long term, maximum70 N | 15.737 lbf

**Compression** 10 N/mm | 57.101 lb/in

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

Flex 25 cycles

 Impact
 2 N-m | 17.701 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

COMMSC PE°

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**Fiber Type** G.657.A1

# **Environmental Specifications**

Installation temperature $-10 \, ^{\circ}\text{C}$  to  $+60 \, ^{\circ}\text{C}$  (+14  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )Operating Temperature $-20 \, ^{\circ}\text{C}$  to  $+60 \, ^{\circ}\text{C}$  (-4  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )Storage Temperature $-20 \, ^{\circ}\text{C}$  to  $+60 \, ^{\circ}\text{C}$  (-4  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )Cable Qualification StandardsIEC 60794-1-2 | 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 F5

### **Environmental Test Specifications**

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

**Temperature Cycle**  $-20 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-4 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$ 

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

Packaging and Weights

Cable weight 8.9 kg/km | 5.981 lb/kft

#### Included Products

CS-8F-LT – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

### \* Footnotes

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

