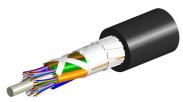
## 810010057/DB | 0-096-LN-8F-M12NS/20G/BK



Fiber OSP cable, LightScope® ZWP Mini Single Jacket All-Dielectric, 96 fiber, Gel-Filled, Stranded Loose Tube, Singlemode G.657.Al, Meters jacket marking, Black jacket color

#### **Product Classification**

Regional Availability EMEA

 Portfolio
 CommScope®

 Product Type
 Fiber OSP cable

Product Series O-LN

General Specifications

Cable Type Stranded loose tube

Construction Type Non-armored

Subunit TypeGel-filledJacket ColorBlackJacket MarkingMeters

Jacket Marking Text COMMSCOPE GB OPTICAL CABLE G657A1 SM 96 FIBER [SERIAL NUMBER] [MM

/YYYY] [METRE MARK]

Inkjet

Subunit, quantity 8

Fibers per Subunit, quantity 12

Total Fiber Count 96

**Dimensions** 

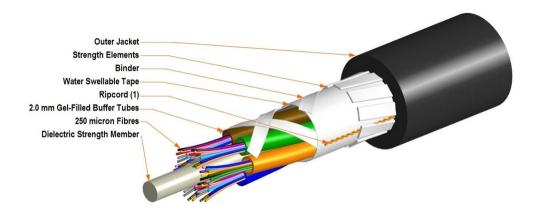
**Jacket Marking Method** 

Buffer Tube/Subunit Diameter2 mm | 0.079 inDiameter Over Jacket10.5 mm | 0.413 in

Representative Image



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### Material Specifications

Jacket Material PE

### Mechanical Specifications

Minimum Bend Radius, loaded158 mm | 6.22 inMinimum Bend Radius, unloaded105 mm | 4.134 inTensile Load, long term, maximum800 N | 179.847 lbfTensile Load, short term, maximum2700 N | 606.984 lbfCompression22 N/mm | 125.623 lb/in

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

Flex 25 cycles

Flex Test Method IEC 60794-1 E6

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

Impact Test Method IEC 60794-1 E4

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

Strain Test Method IEC 60794-1 E1

Twist 10 cycles

Twist Test Method IEC 60794-1 E7

**Vertical Rise, maximum** 946 m | 3,103.675 ft

Optical Specifications

**Fiber Type** G.657.A1

### **Environmental Specifications**



## 810010057/DB | 0-096-LN-8F-M12NS/20G/BK

Installation temperature  $-30 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-22 °F to  $+158 \,^{\circ}\text{F}$ )

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

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

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

**Environmental Space** Aerial, lashed | Buried

Jacket UV Resistance UV stabilized

Water Penetration 24 h

**Water Penetration Test Method** IEC 60794-1 F5

#### **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 E14

120 007 51 1 21 1

**Heat Age**  $-40 \,^{\circ}\text{C} \text{ to } +85 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +185 \,^{\circ}\text{F})$ 

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

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

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

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

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

Packaging and Weights

Cable weight 86 kg/km | 57.789 lb/kft

#### Included Products

CS-8F-250-EMEA - LightScope® ZWP Singlemode Fiber

#### \* Footnotes

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

