# 810010172/DB | B-144-LN-8G-M12NS/15G



Fiber OSP cable, LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction, 144 fiber, Singlemode G.657.A2, Gel-filled, Meters jacket marking, Black jacket color

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

America

Meters

 Portfolio
 CommScope®

 Product Type
 Fiber OSP cable

Product Series B-LN

General Specifications

 Cable Type
 Stranded loose tube

Construction Type Non-armored

Fiber Type, quantity 144

Fibers per Subunit, quantity 12

Filler, quantity 0

Jacket Color Black

Subunit Type Gel-filled
Subunit, quantity 12

Total Fiber Count 144

**Dimensions** 

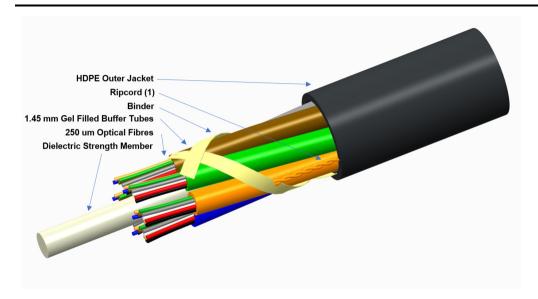
**Jacket Marking** 

Buffer Tube/Subunit Diameter1.45 mm | 0.057 inDiameter Over Jacket8.4 mm | 0.331 in

Representative Image



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## Material Specifications

**Jacket Material** High density polyethylene (HDPE)

### Mechanical Specifications

Minimum Bend Radius, loaded 126 mm | 4.961 in

Minimum Bend Radius, unloaded 84 mm | 3.307 in

Tensile Load, long term, maximum Tensile Load, short term, maximum 1566 N | 352.051 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

IEC 60794-1-21 E4 **Impact Test Method** 

Strain See long and short term tensile loads

469 N | 105.435 lbf

**Strain Test Method** IEC 60794-1-21 E1

**Twist** 10 cycles

**Twist Test Method** IEC 60794-1-21 E7

Vertical Rise, maximum 769 m | 2,522.966 ft

**Optical Specifications** 

**COMMSCOPE®** 

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**Fiber Type** G.652.D and G.657.A1 | G.657.A2

## **Environmental Specifications**

Installation temperature-30 °C to +70 °C (-22 °F to +158 °F)Operating Temperature-30 °C to +70 °C (-22 °F to +158 °F)Storage Temperature-30 °C to +75 °C (-22 °F to +167 °F)

Cable Qualification StandardsIEC 60794-5-10Environmental SpaceAir-blown, microduct

Jacket UV Resistance UV stabilized

Water Penentration 24 h

Water Penentration 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 °C to +60 °C (-22 °F to +140 °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** 63 kg/km | 42.334 lb/kft

#### Included Products

CS-8G-LT – Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

#### \* Footnotes

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

COMMSC PE°