# 810009765/DB | C-012-LN-8W-M12BK/20G/HTS

## /D



Fiber indoor/outdoor cable, LightScope® ZWP High Tensile Strength, LSZH, Singlemode G.652.D and G.657.A1, 12 fiber, Mini All-Dielectric Single Jacket, Gel-Filled, Stranded Loose Tube, Black jacket color, Dca flame rating, Provides Rodent Resistance

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

Product Series C-LN

General Specifications

Cable Type Stranded loose tube

**Subunit Type** Gel-filled

Filler, quantity 5

Jacket ColorBlackJacket MarkingMetersJacket Marking MethodInkjet

Jacket Marking Text COMMSCOPE GB OPTICAL CABLE 810009765/DB

12X OS2 SM LSZH EN50575 CLASS D [SERIAL NUMBER] [METER MARK]

Subunit, quantity

Fibers per Subunit, quantity 12

Total Fiber Count 12

**Dimensions** 

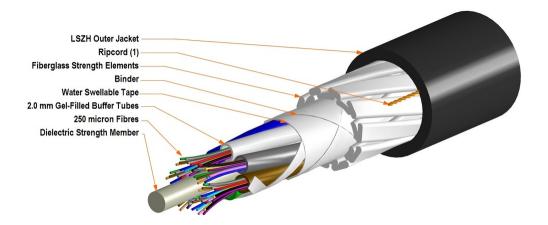
Buffer Tube/Subunit Diameter2 mm | 0.079 inDiameter Over Jacket12.8 mm | 0.504 in

Representative Image



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### Mechanical Specifications

Minimum Bend Radius, loaded 193 mm | 7.598 in Minimum Bend Radius, unloaded 128 mm | 5.039 in

Tensile Load, long term, maximum 1350 N | 303.492 lbf

**Tensile Load, short term, maximum** 4500 N | 1,011.641 lbf

**Compression** 22 N/mm | 125.623 lb/in

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

Flex 25 cycles

Flex Test Method IEC 60794-1 E6
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

Optical Specifications

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

#### **Environmental Specifications**

Installation temperature

-10 °C to +50 °C (+14 °F to +122 °F)

Operating Temperature

-40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature

-40 °C to +70 °C (-40 °F to +158 °F)

Cable Qualification Standards

EN 187105 | IEC 60794-1-2

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EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings2EN50575 CPR Cable EuroClass Droplets Ratingd0EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental SpaceBuried | Low Smoke Zero Halogen (LSZH)Flame Test MethodIEC 60332-1-2 | IEC 60754-2 | IEC 61034-2

Jacket UV Resistance UV stabilized

Water Penetration 24 h

Water Penetration Test Method IEC 60794-1 F5

**Environmental Test Specifications** 

Cable Freeze -2 °C

Cable Freeze Test Method IEC 60794-1 F15

**Heat Age** -40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test Method IEC 60794-1 F9

**Low High Bend** -15 °C to +23 °C (+5 °F to +73 °F)

Low High Bend Test Method IEC 60794-1 E11

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

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

Packaging and Weights

**Cable weight** 180 kg/km | 120.954 lb/kft

#### Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber 250um

#### \* Footnotes

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

