B-024-LN-8W-M12NS/13G 760258191



Fiber OSP cable, LightScope ZWP® Blown Micro Single Jacket, 24 fiber, All-Dielectric Stranded Loose Tube Arid-Core® Construction, Gel-filled, Singlemode G.652.D and G.657.Al, Meters jacket marking, Black jacket color

Product Classification

Regional Availability FMFA

Portfolio CommScope® **Product Type** Fiber OSP cable

Product Series B-I N

General Specifications

Cable Type Stranded loose tube

Non-armored **Construction Type**

Gel-filled **Subunit Type**

4 Filler, quantity

Jacket Color Black **Jacket Marking** Meters

Subunit, quantity Fibers per Subunit, quantity 12

Total Fiber Count 24

Dimensions

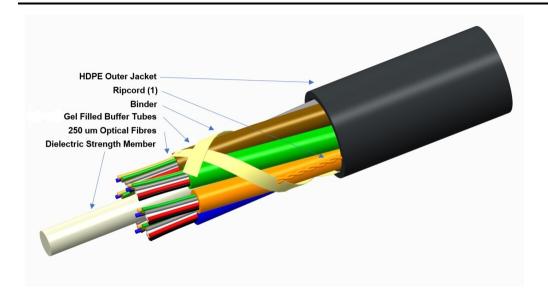
Buffer Tube/Subunit Diameter 1.25 mm | 0.049 in **Diameter Over Jacket** 4.6 mm | 0.181 in

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Representative Image



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Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded 150 mm | 5.906 in

Minimum Bend Radius, unloaded 90 mm | 3.543 in

Tensile Load, long term, maximum 400 N | 89.924 lbf

Tensile Load, short term, maximum 1000 N | 224.809 lbf

Compression 5 N/mm | 28.551 lb/in

Compression Test Method IEC 60794-1-21 E3

Flex 25 cycles

Flex Test Method IEC 60794-1 E6

Impact 1 N-m | 8.851 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

Fiber Type G.652.D and G.657.A1



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Environmental Specifications

Installation temperature $-15 \,^{\circ}\text{C}$ to $+40 \,^{\circ}\text{C}$ (+5 $^{\circ}\text{F}$ to $+104 \,^{\circ}\text{F}$)

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 $^{\circ}\text{F}$ to $+167 \,^{\circ}\text{F}$)

Cable Qualification Standards 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 F4

Environmental Test Specifications

Drip 70 °C | 158 °F

Drip Test Method IEC 60794-1-21 E14

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

Heat Age Test Method IEC 60794-1-22 F9

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

Temperature Cycle Test Method IEC 60794-1-22 F1

Packaging and Weights

Cable weight 19 kg/km | 12.767 lb/kft

Included Products

DB-8W-LT - LightScope ZWP® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

