

Fiber OSP cable, LightScope ZWP® Blown Micro Single Jacket, 144 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 EMEA

PortfolioCommScope®Product TypeFiber OSP cable

Product Series B-LN

General Specifications

Cable TypeStranded loose tube

Construction Type Non-armored

Subunit Type Gel-filled

Jacket Color Black

Jacket Marking Meters

Subunit, quantity 12

Fibers per Subunit, quantity 12

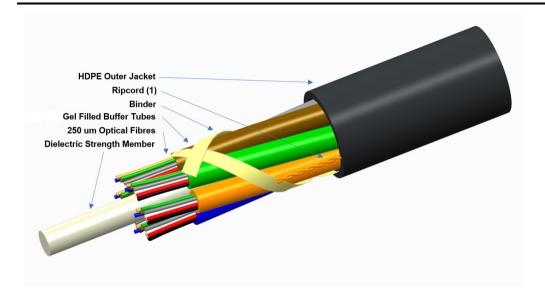
Total Fiber Count 144

Dimensions

Buffer Tube/Subunit Diameter1.25 mm | 0.049 inDiameter Over Jacket7 mm | 0.276 in

Representative Image





Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded190 mm | 7.48 inMinimum Bend Radius, unloaded140 mm | 5.512 inTensile Load, long term, maximum400 N | 89.924 lbfTensile Load, short term, maximum1000 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



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

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

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 44 kg/km | 29.567 lb/kft

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



Included Products

DB-8W-LT - LightScope ZWP® Singlemode

Fiber

* Footnotes

COMMSCOPE®

Operating Temperature Specification applicable to non-terminated bulk fiber cable