



Fiber OSP cable, LightScope ZWP® Blown Micro Single Jacket, 96 fiber, All-Dielectric Stranded Loose Tube Arid-Core® Construction, Gel-filled, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

Regional Availability	EMEA
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	B-LN

General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Subunit, quantity	8
Fibers per Subunit, quantity	12
Total Fiber Count	96

Dimensions

Buffer Tube/Subunit Diameter	1.25 mm 0.049 in
Diameter Over Jacket	5.4 mm 0.213 in

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded 180 mm | 7.087 in
Minimum Bend Radius, unloaded 105 mm | 4.134 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

Environmental Specifications

Installation temperature	-15 °C to +40 °C (+5 °F to +104 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °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	27 kg/km 18.143 lb/kft
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Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable