810010384/DB | B-060-LN-8W-M12NS/13G

Fiber OSP cable, LightScope ZWP® Blown Micro Single Jacket, 60 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
Filler, quantity	1
Jacket Color	Black
Jacket Marking	Meters
Subunit, quantity	5
Fibers per Subunit, quantity	12
Total Fiber Count	60

Dimensions

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

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 °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	19 kg/km	12.767 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

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Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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