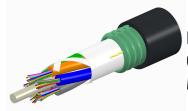
8108001/DB | D-032-LA-8W-M12NS



Fiber OSP cable, LightScope® ZWP Single Jacket/Single Armor, 32 fiber, Gel-Free, Stranded Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

• Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	D-LA
General Specifications	
Armor Type	Corrugated steel
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free
Filler, quantity	2
Jacket Color	Black
Jacket Marking	Meters
Subunit, quantity	3
Fibers per Subunit, quantity	12
Total Fiber Count	32
Dimensions	
Buffer Tube/Subunit Diameter	2.5 mm 0.098 in
Diameter Over Jacket	11.5 mm 0.453 in

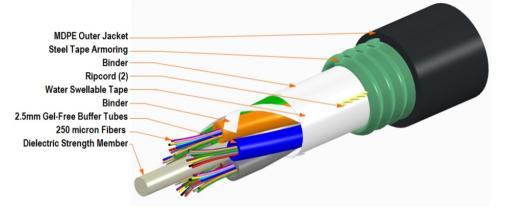
Representative Image

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Material Specifications

Jacket Material	PE	
Mechanical Specifications		
Minimum Bend Radius, loaded	173 mm 6.811 in	
Minimum Bend Radius, unloaded	115 mm 4.528 in	
Tensile Load, long term, maximum	800 N 179.847 lbf	
Tensile Load, short term, maximum	2700 N 606.984 lbf	
Compression	22 N/mm 125.623 lb/in	
Compression Test Method	FOTP-41 IEC 60794-1 E3	
Flex	25 cycles	
Flex Test Method	FOTP-104 IEC 60794-1 E6	
Impact	4.41 N-m 39.032 in lb	
Impact Test Method	FOTP-25 IEC 60794-1 E4	
Strain	See long and short term tensile loads	
Strain Test Method	FOTP-33 IEC 60794-1 E1	
Twist	10 cycles	
Twist Test Method	FOTP-85 IEC 60794-1 E7	
Vertical Rise, maximum	740 m 2,427.822 ft	
Ontical Specifications		

Optical Specifications

Fiber Type

G.652.D and G.657.A1 | G.652.D and G.657.A1

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Environmental Specifications

Installation temperature	-30 °C to +70 °C (-22 °F to +158 °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	ANSI/ICEA S-87-640 EN 187105 Telcordia GR-20	
Environmental Space	Aerial, lashed Buried	
Jacket UV Resistance	UV stabilized	
Water Penetration	24 h	
Water Penetration Qualification Method	ANSI/ICEA S-87-640	
Water Penetration Test Method	FOTP-82 IEC 60794-1 F5	

Environmental Test Specifications

Cable Freeze	-2 °C 28.4 °F
Cable Freeze Test Method	FOTP-98 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	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-37 IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1 F1

Packaging and Weights

Cable weight

110 kg/km | 73.917 lb/kft

Regulatory Compliance/Certifications

Agency

Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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