

Fiber outdoor drop cable, LightScope ZWP® Self-Supporting All-Dielectric, Singlemode G.652.D and G.657.A1, 4 fiber Arid Core construction, Gel-filled, central loose tube, Feet jacket marking, Black jacket color, 2000 ft

 *Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America	
Portfolio	CommScope®	
Product Type	Fiber drop cable	
Product Series	0-DF	
Government Funding	Build America Buy America (BABA) compliant*	
General Specifications		
Cable Type	Central loose tube	
Construction Type	Non-armored	
Subunit Type	Gel-filled	
Jacket Color	Black	
Jacket Marking	Feet	
Subunit, quantity	1	
Fibers per Subunit, quantity	4	
Total Fiber Count	4	
Dimensions		
Height Over Jacket	4.5 mm 0.177 in	
Cable Length	609.6 m 2000 ft	
Buffer Tube/Subunit Diameter	3 mm 0.118 in	
Diameter Over Jacket	7.9 mm 0.311 in	

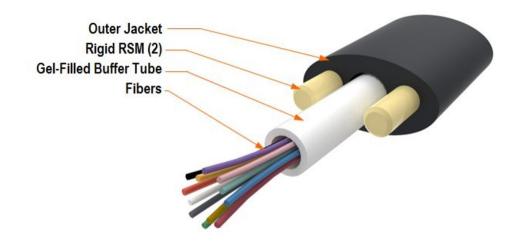
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Representative Image



Material Specifications

Jacket Material

Mechanical Specifications

Minimum Bend Radius, loaded 86 mm | 3.386 in Minimum Bend Radius, unloaded 81 mm | 3.189 in Tensile Load, long term, maximum 400 N | 89.924 lbf Tensile Load, short term, maximum 1334 N | 299.895 lbf Compression 10 N/mm | 57.101 lb/in **Compression Test Method** FOTP-41 | IEC 60794-1 E3 Flex 35 cycles Flex Test Method FOTP-104 | IEC 60794-1 E6 Impact 2.94 N-m | 26.021 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 1047 m | 3,435.039 ft

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Optical Specifications

Fiber Type

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

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-110-717
Environmental Space	Aerial, self-support Buried
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
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
Drip	70 °C 158 °F
Drip Test Method	FOTP-81 IEC 60794-1 E14
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

39 kg/km | 26.207 lb/kft

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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