

Fiber OSP cable, Zero Water Peak® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core™ Construction, 288 fiber, Singlemode G.657.A1, Gel-filled, Feet jacket marking, Black jacket color

- *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 OSP cable
Product Series	B-LN
Government Requirements	Build America Buy America (BABA) compliant*

General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Filler, quantity	0
Jacket Color	Black
Jacket Marking	Feet
Jacket Marking Method	Laser
Jacket Marking Text	COMMScope GB (YYYY) 810009731/DB 288 X G657A1 200um (Serial number) (feet) FT
Location of Manufacturing	Claremont, North Carolina
Subunit, quantity	12
Fibers per Subunit, quantity	24
Total Fiber Count	288

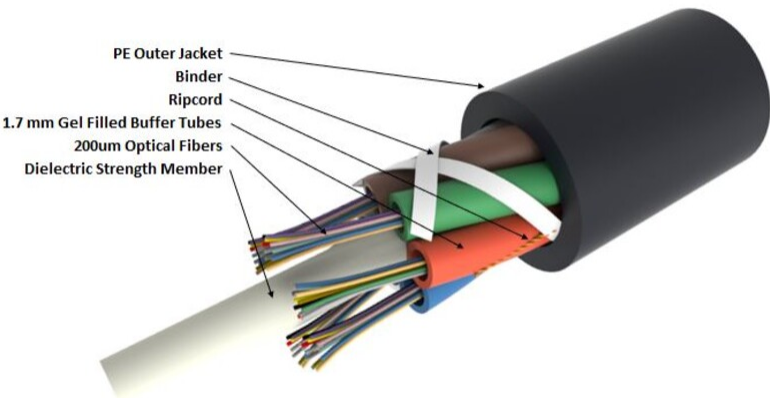
Dimensions

Buffer Tube/Subunit Diameter	1.7 mm 0.067 in
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Diameter Over Jacket9.4 mm | 0.37 in

Representative Image



Material Specifications

Jacket MaterialHigh density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded	143 mm 5.63 in
Minimum Bend Radius, unloaded	95 mm 3.74 in
Tensile Load, long term, maximum	335 N 75.311 lbf
Tensile Load, short term, maximum	1000 N 224.809 lbf
Compression	10 N/mm 57.101 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	0.3 N-m 2.655 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

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Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1 E7
Vertical Rise, maximum	769 m 2,522.966 ft

Optical Specifications

Fiber Type	G.657.A1, TeraSPEED®
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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 +70 °C (-40 °F to +158 °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	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	77.5 kg/km 52.078 lb/kft
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Included Products

CS-8W-200-B-LN	–	200 Micron Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode
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Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable