

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

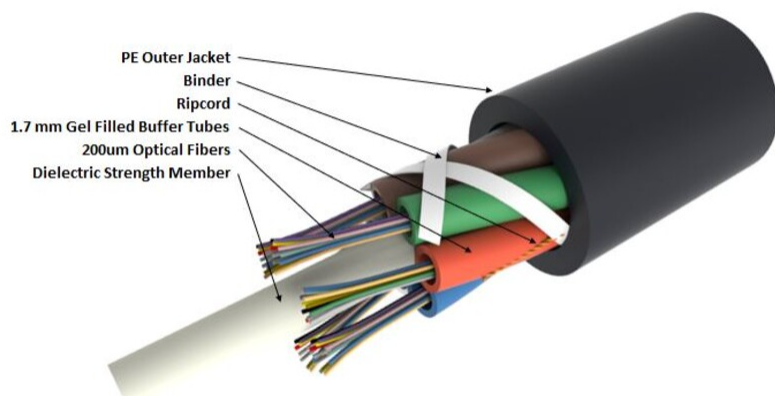
| | |
|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 1.7 mm 0.067 in |
|-------------------------------------|-------------------|

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Diameter Over Jacket

9.4 mm | 0.37 in

Representative Image



Material Specifications

Jacket Material

High 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

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|-------------------|----------------------|
| Fiber Type | G.657.A1, TeraSPEED® |
|-------------------|----------------------|

Environmental Specifications

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|--------------------------------------|--------------------------------------|
| 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

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|--------------------------------------|--------------------------------------|
| 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

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|---------------------|----------------------------|
| 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