

Fiber indoor/outdoor drop cable, All-Dielectric, 1 fiber Tight Buffer construction, riser, drop all-dielectric, Singlemode G.657.A2/B2, Gel-free, Feet jacket marking, Ivory 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

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|--------------------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | R-DN |
| Government Requirements | Build America Buy America (BABA) compliant* |

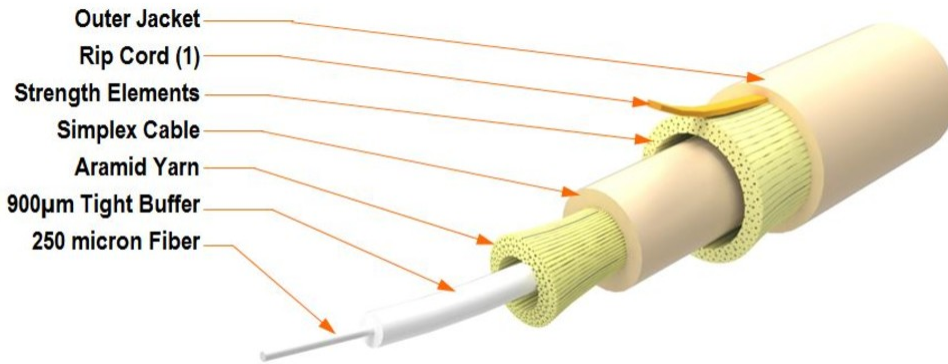
General Specifications

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|-------------------------------------|---------------------------|
| Cable Type | Drop |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Ivory |
| Jacket Marking | Feet |
| Location of Manufacturing | Claremont, North Carolina |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 1 |
| Total Fiber Count | 1 |

Dimensions

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|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 2.9 mm 0.114 in |
| Diameter Over Jacket | 4.9 mm 0.193 in |

Representative Image



Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 98 mm 3.858 in |
| Minimum Bend Radius, unloaded | 49 mm 1.929 in |
| Tensile Load, long term, maximum | 180 N 40.466 lbf |
| Tensile Load, short term, maximum | 601 N 135.11 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 | 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 | 695 m 2,280.184 ft |

Optical Specifications

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|-------------------|---------------------------|
| Fiber Type | G.657.A2/B2 G.657.A2/B2 |
|-------------------|---------------------------|

Environmental Specifications

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|---------------------------------|--------------------------------------|
| Installation temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |

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| | |
|--------------------------------------|--------------------------------------|
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | ANSI/ICEA S-110-717 |
| Environmental Space | Riser |
| Flame Test Listing | NEC OFNR (ETL) and c(ETL) |
| Flame Test Method | CSA FT4 IEEE 1202 UL 1666 |
| 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 | 26.5 kg/km 17.807 lb/kft |
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Regulatory Compliance/Certifications

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

Included Products

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|----------------------|---|--|
| CS-8G-TB | - | Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2) |
| R-001-SP-8G-F29IV/WB | - | Fiber indoor cable, All-Dielectric Indoor Riser Simplex, Singlemode G.657.A2/B2, Feet jacket marking, Ivory jacket color |

* Footnotes

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Operating Temperature Specification applicable to non-terminated bulk fiber cable