

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, 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 indoor/outdoor cable
Product Series	R-DN
Government Requirements	Build America Buy America (BABA) compliant*

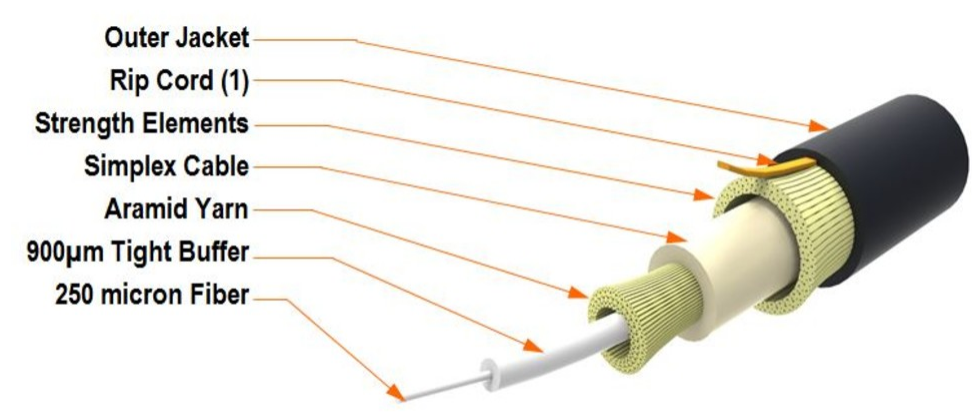
## General Specifications

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

## Dimensions

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

Fiber Type	G.657.A2/B2   G.657.A2/B2
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Environmental Specifications

Installation temperature	-10 °C to +60 °C (+14 °F to +140 °F)
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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	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

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	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

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

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable