810010526/DB | R-001-SP-8H-F29IV/WB/RNB

All-Dielectric Indoor/Outdoor Riser Simplex Cable, 2.9mm, ITU-T G.657. B3 fiber, Reel in Box, 1000 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	Latin America	Middle East/Africa	North America
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	R-SP
Government Requirements	Build America Buy America (BABA) compliant*

General Specifications

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

Dimensions

Diameter Over Jacket	2.9 mm	0.114 in

Mechanical Specifications

Minimum Bend Radius, loaded	5 mm	0.197 in
Minimum Bend Radius, unloaded	5 mm	0.197 in
Tensile Load, long term, maximum	30 N	6.744 lbf
Tensile Load, short term, maximum	100 N	22.481 lbf

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Compression	22 N/mm	125.623 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	0.74 N-m	6.55 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	334 m	1,095.801 ft

Optical Specifications

Fiber Type	G.652.D	G.657.B3

Environmental Specifications

Installation temperature	-20 °C to +60 °C (-4 °F to +140 °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-104-696	Telcordia GR-409
Environmental Space	Riser
Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	CSA FT4	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
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)

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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	7.9 kg/km | 5.309 lb/kft
Packaging Type	Reel in box

Included Products

CS-8H-TB	–	Ultra Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G. 657.B3)

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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