810010527/DB | R-002-IC-8H-F35IV/RNB



Indoor/Outdoor Riser 3.5mm Interconnect, dielectric, with 900um Buffers, 2-fiber, Singlemode G.657.B3,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

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber drop cable
Government Requirements	Build America Buy America (BABA) compliant*
General Specifications	
Cable Type	Drop
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Ivory
Jacket Marking	Feet
Location of Manufacturing	Catawba, North Carolina Claremont, North Carolina
Total Fiber Count	2
Dimensions	
Diameter Over Jacket	3.5 mm 0.138 in

Representative Image

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810010527/DB | R-002-IC-8H-F35IV/RNB

UV Resistant PVC Outer Jacket Water-Blocking Aramid Yarn 900µm Buffered Optical Fibers

Material Specifications

Jacket Material	PVC
Mechanical Specifications	
Minimum Bend Radius, loaded	4 mm 0.157 in
Minimum Bend Radius, unloaded	4 mm 0.157 in
Tensile Load, long term, maximum	93 N 20.907 lbf
Tensile Load, short term, maximum	311 N 69.916 lbf
Compression	3.5 N/mm 19.986 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	500 m 1,640.42 ft
Optical Specifications	

Fiber Type

G.657.B3

Environmental Specifications

Page 2 of 3

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Installation temperature	-5 °C to +60 °C (+23 °F to +140 °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	ANSI/ICEA S-83-596
Environmental Space	Drop Indoor/Outdoor Riser Sunlight resistant
Flame Test Listing	NEC OFNR (ETL) and c(ETL) UL 1666
Flame Test Method	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

Low High Bend	0 °C to +60 °C (+32 °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	12.54 kg/km 8.426 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

Page 3 of 3

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