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 RequirementsBuild 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

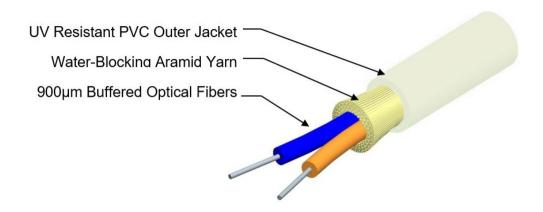
Dimensions

Diameter Over Jacket 3.5 mm | 0.138 in

Representative Image



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Material Specifications

Jacket Material PVC

Mechanical Specifications

Minimum Bend Radius, loaded4 mm | 0.157 inMinimum Bend Radius, unloaded4 mm | 0.157 inTensile Load, long term, maximum93 N | 20.907 lbfTensile Load, short term, maximum311 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



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Installation temperature $-5 \,^{\circ}\text{C}$ to $+60 \,^{\circ}\text{C}$ (+23 $^{\circ}\text{F}$ to +140 $^{\circ}\text{F}$)

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to +158 $^{\circ}\text{F}$)

Storage Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to +158 $^{\circ}\text{F}$)

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 $0 \, ^{\circ}\text{C} \text{ to +60 } ^{\circ}\text{C} \text{ (+32 } ^{\circ}\text{F to +140 } ^{\circ}\text{F)}$

Low High Bend Test Method FOTP-37 | IEC 60794-1 E11

Temperature Cycle $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \text{ (-40 }^{\circ}\text{F to } +158 \,^{\circ}\text{F)}$

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

