

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

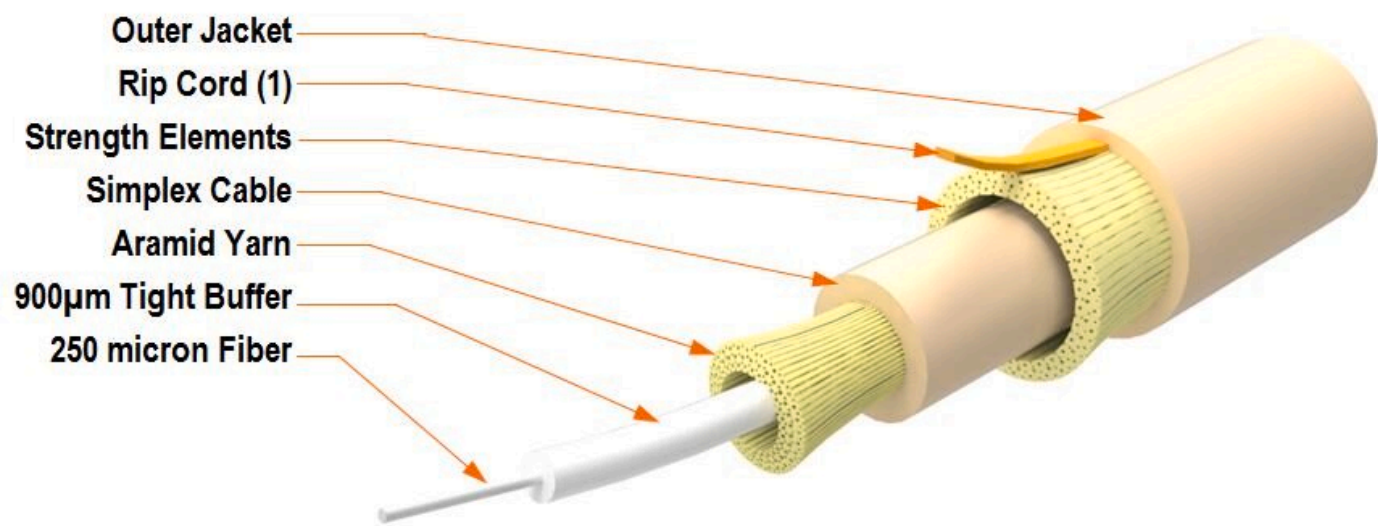
General Specifications

Cable Type	Drop
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Ivory
Jacket Marking	Feet
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 | G.657.A2/B2

Environmental Specifications

Installation temperature

-10 °C to +60 °C (+14 °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-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

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
Included Products	
R-001-SP-8G-F29IV/WB	- Fiber indoor cable, All-Dielectric Indoor Riser Simplex, Singlemode G.657.A2, Feet jacket marking, Ivory jacket color
CS-8G-TB	- Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)