

Fiber Universal Service Drop Cable, dielectric, with 900um Buffer, 1-fiber, Singlemode G.657.A2/B2,Gel-free, Black jacket color

Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber drop cable
Product Series	O-DF

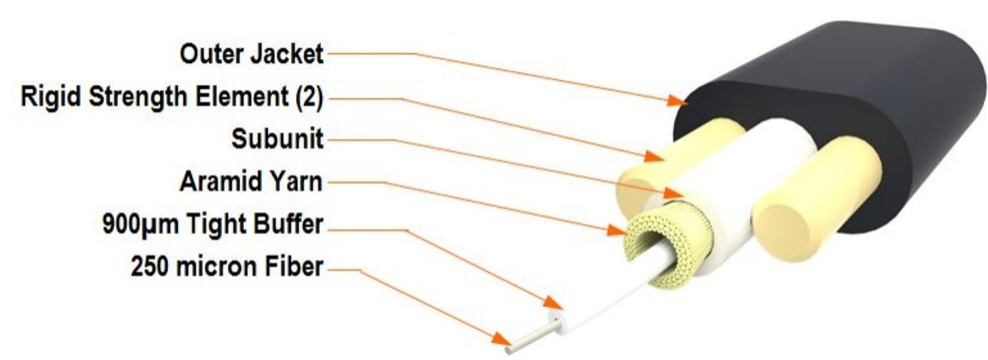
General Specifications

Cable Type	Drop
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	1
Total Fiber Count	1

Dimensions

Height Over Jacket	4.6 mm   0.181 in
Buffer Tube/Subunit Diameter	2.9 mm   0.114 in
Diameter Over Jacket	8 mm   0.315 in

Representative Image



Material Specifications

Jacket MaterialPE

Mechanical Specifications

Minimum Bend Radius, loaded92 mm | 3.622 in

Minimum Bend Radius, unloaded64 mm | 2.52 in

Tensile Load, long term, maximum400 N | 89.924 lbf

Tensile Load, short term, maximum1334 N | 299.895 lbf

Compression22 N/mm | 125.623 lb/in

Compression Test MethodFOTP-41 | IEC 60794-1 E3

Flex25 cycles

Flex Test MethodFOTP-104 | IEC 60794-1 E6

Impact2.94 N-m | 26.021 in lb

Impact Test MethodFOTP-25 | IEC 60794-1 E4

StrainSee long and short term tensile loads

Strain Test MethodFOTP-33 | IEC 60794-1 E1

Twist10 cycles

Twist Test MethodFOTP-85 | IEC 60794-1 E7

Vertical Rise, maximum1187 m | 3,894.357 ft

Optical Specifications

Fiber TypeG.657.A2/B2 | G.657.A2/B2

## Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °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-110-717
Environmental Space	Aerial, self-support   Buried
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	34.4 kg/km   23.116 lb/kft
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## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant
UK-ROHS	Compliant



Included Products

900003131	–	Fiber indoor cable, All-Dielectric Indoor/Outdoor Riser Simplex, Singlemode G.657.A2/B2,
R-001-SP-8G1-F29IV/WB		Meters jacket marking, Ivory jacket color
CS-8G-TB	–	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

\* Footnotes

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