

Optical Fiber OSP Drop cable, HDPE jacket, ST buffer, Singlemode, G.657. A2, 4 fiber, meter marked, black jacket color. Box Packaged in 500m lengths.

Product Classification

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

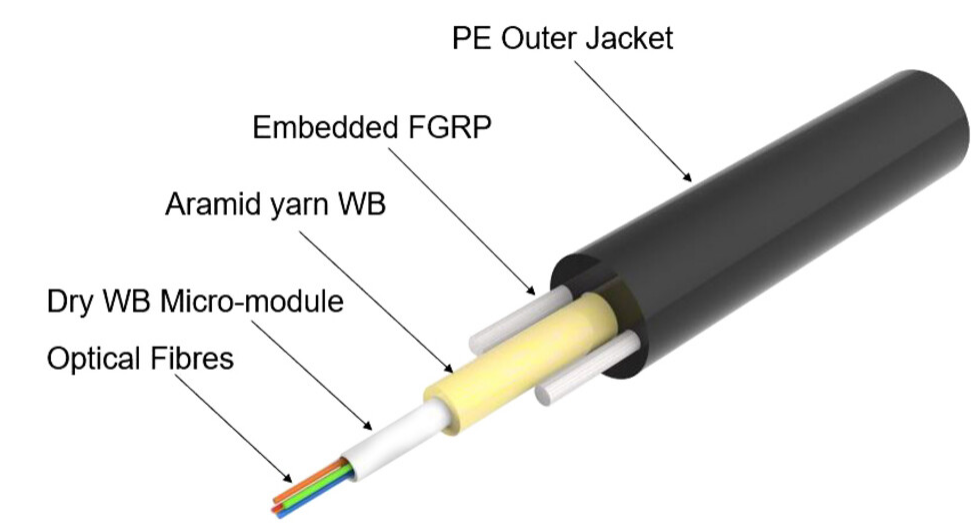
General Specifications

Cable Type	Drop
Construction Type	Non-armored
Jacket Color	Black
Jacket Marking	Meters
Fibers per Subunit, quantity	4
Total Fiber Count	4
Buffer Type	Micro-module
Buffer Strip	500 mm 19.685 in

Dimensions

Cable Length	500 m 1,640.42 ft
Buffer Tube/Subunit Diameter	1.1 mm 0.043 in
Diameter Over Jacket	5 mm 0.197 in

Representative Image



Material Specifications

Jacket Material

High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded	60 mm 2.362 in
Minimum Bend Radius, unloaded	30 mm 1.181 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Fiber Strain, long term, maximum	0.33 %
Tensile Load, short term, maximum	800 N 179.847 lbf
Fiber Strain, short term, maximum	0.66 %
Compression	20 N/mm 114.203 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	100 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	10 N-m 88.507 in lb
Impact Test Method	FOTP-25 IEC 60794-1 E4
Strain Test Method	FOTP-33 IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1 E7

Optical Specifications

Fiber TypeG.657.A2

Environmental Specifications

Installation temperature-10 °C to +60 °C (+14 °F to +140 °F)

Operating Temperature-20 °C to +70 °C (-4 °F to +158 °F)

Storage Temperature-20 °C to +70 °C (-4 °F to +158 °F)

Cable Qualification StandardsIEC 60794-1-2 | Telcordia GR-20

Environmental SpaceAerial, self-support | Buried | Drop | Façade | Underground (duct)

Jacket UV ResistanceUV stabilized

Water Penetration24 h

Water Penetration Test MethodFOTP-82 | IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze Test MethodFOTP-98 | IEC 60794-1 F15

Heat Age-20 °C to +85 °C (-4 °F to +185 °F)

Heat Age Test MethodIEC 60794-1 F9

Low High Bend-10 °C to +60 °C (+14 °F to +140 °F)

Low High Bend Test MethodFOTP-37 | IEC 60794-1 E11

Temperature Cycle-20 °C to +60 °C (-4 °F to +140 °F)

Temperature Cycle Test MethodFOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight15 kg/km | 10.08 lb/kft

Included Products

CS-8G-MP – 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