

Optical Fiber OSP Drop cable, HDPE jacket, ST buffer, Singlemode, G.657. A2, 1 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

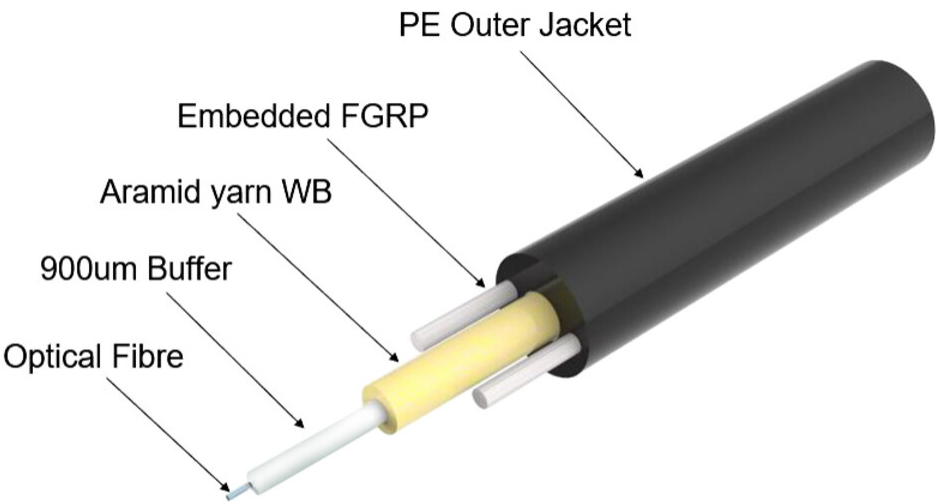
General Specifications

Cable Type	Drop
Construction Type	Non-armored
Jacket Color	Black
Jacket Marking	Meters
Fibers per Subunit, quantity	1
Total Fiber Count	1
Buffer Type	Semi-tight
Buffer Strip	500 mm   19.685 in

Dimensions

Cable Length	500 m   1,640.42 ft
Buffer Tube/Subunit Diameter	0.9 mm   0.035 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 Type** G.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 Standards** IEC 60794-1-2 | Telcordia GR-20

**Environmental Space** Aerial, self-support | Buried | Drop | Façade | Underground (duct)

**Jacket UV Resistance** UV stabilized

**Water Penetration** 24 h

**Water Penetration Test Method** FOTP-82 | IEC 60794-1 F5

### Environmental Test Specifications

**Cable Freeze Test Method** FOTP-98 | IEC 60794-1 F15

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

**Heat Age Test Method** IEC 60794-1 F9

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

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

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

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

### Packaging and Weights

**Cable weight** 15 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