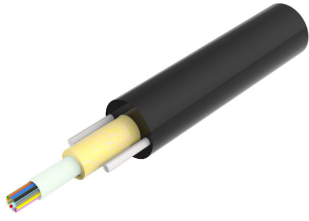


810010477/DB | D-012-DN-8G-M12BK/AY-0500-UK00



Optical Fiber OSP Drop cable, HDPE jacket, ST buffer, Singlemode, G.657. A2, 12 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

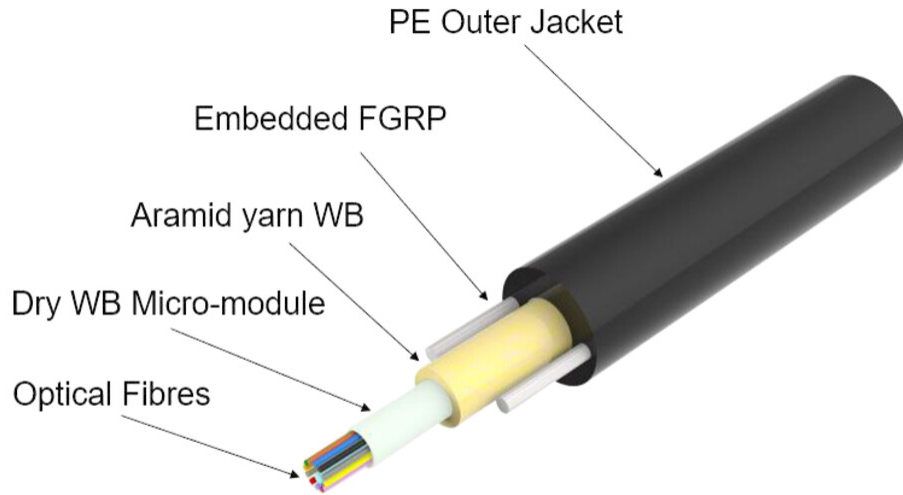
General Specifications

Cable Type	Drop
Construction Type	Non-armored
Jacket Color	Black
Jacket Marking	Meters
Fibers per Subunit, quantity	12
Total Fiber Count	12
Buffer Type	Micro-module
Buffer Strip	500 mm 19.685 in

Dimensions

Cable Length	500 m 1,640.42 ft
Buffer Tube/Subunit Diameter	1.45 mm 0.057 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