

Fiber OSP cable, A2 Dual-sheathed HDPE Drop, LSZH Subunit, Loose buffer, Singlemode, G.657.A2, 2 fibers, Gel-free, Meters jacket marking, 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	D-DD

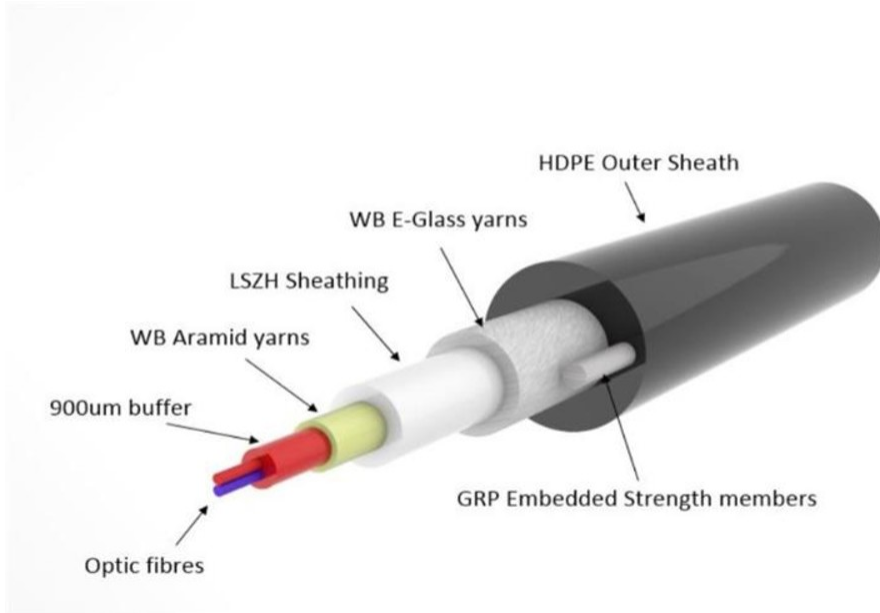
General Specifications

Cable Type	Outdoor drop with indoor subunit
Construction Type	Non-armored
Subunit Type	Gel-free
Inner Jacket Color	White
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB F.O. CABLE 810009820/DB G657A2 SM 2 FIBER [SERIAL NUMBER] [MM /YY] [METRE MARK]
Subunit, quantity	1
Fibers per Subunit, quantity	2
Total Fiber Count	2

Dimensions

Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Jacket	5 mm 0.197 in

Representative Image



Material Specifications

Jacket Material	High density polyethylene (HDPE)
Inner Jacket Material	Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded	40 mm 1.575 in
Minimum Bend Radius, unloaded	30 mm 1.181 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	880 N 197.832 lbf
Compression	30 N/mm 171.304 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	7 N-m 61.955 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

810009820/DB | D-002-DD-8G-M02BK/GY/20 /AY/D

Fiber Type G.657.A2 | G.657.A2, TeraSPEED®

Environmental Specifications

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 IEC 60794-1-2 | Telcordia GR-20
Environmental Space Aerial, lashed | Buried | Drop | Façade | Underground (duct)
Jacket UV Resistance UV stabilized
Water Penetration 168 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
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 23.5 kg/km | 15.791 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