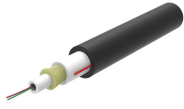# 810010141/DB | C-002-DN-8G-M02BK/15G/V6/D

Fiber Drop Cable, Façade, Duct and Aerial, FTTH, 4 fibers, Singlemode, G. 657.A2, Gel-filled, Meters jacket marking, White jacket, Dca Flame Rating

Product Classification

Regional Availability	Asia | Australia/New Zealand | EMEA | North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-DN

General Specifications

Cable Type	Central loose tube | Drop | Tight buffer
Construction Type	Non-armored
Subunit Type	Gel-filled
Inner Jacket Color	White
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB F.O. CABLE 810009825 /DB G657A2 SM 2 FIBER CLASS D [SERIAL NUMBER] [MM /YY] [METRE MARK]
Subunit, quantity	1
Fibers per Subunit, quantity	2
Total Fiber Count	2

Dimensions

Cable Length	1,999.793 m | 6561 ft
Buffer Tube/Subunit Diameter	1.5 mm | 0.059 in
Diameter Over Jacket	4.5 mm | 0.177 in

Representative Image

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Low Smoke Zero-Halogen Jacket
Water Blocking E-Glass
Ripcord
Aramid Yarn
1.5mm Gel Filled Tube
Optical Fiber
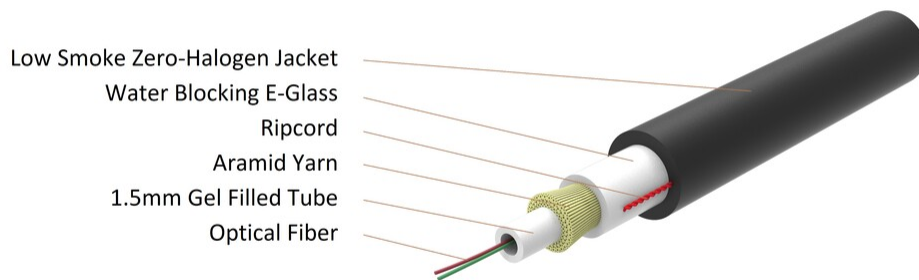
Material Specifications

Jacket Material	Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded	75 mm	2.953 in
Tensile Load, long term, maximum	300 N	67.443 lbf
Tensile Load, short term, maximum	1000 N	224.809 lbf
Compression	10 N/mm	57.101 lb/in
Compression Test Method	IEC 60794-1 E3
Impact	2 N-m	17.701 in lb
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1 E1
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.657.A2, TeraSPEED®

Environmental Specifications

Installation temperature	0 °C to +60 °C (-32 °F to +140 °F)
Operating Temperature	-25 °C to +70 °C (-13 °F to +158 °F)

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810010141/DB | C-002-DN-8G-M02BK/15G/V6/D

Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Drop	Ducted	Façade	Indoor/Outdoor	UV resistant for outdoor and Low Smoke Zero Halogen
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Temperature Cycle	-25 °C to +70 °C (-13 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-22 F1

Packaging and Weights

Cable weight	26 kg/km	17.471 lb/kft

Included Products

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

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