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



Product Classification

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
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



Low Smoke Zero Halogen (LSZH)

### Material Specifications

**Jacket Material** 

### Mechanical Specifications

Minimum Bend Radius, loaded 75 mm | 2.953 in Tensile Load, long term, maximum 300 N | 67.443 lbf 1000 N | 224.809 lbf Tensile Load, short term, maximum Compression 10 N/mm | 57.101 lb/in IEC 60794-1 E3 **Compression Test Method** 2 N-m | 17.701 in lb Impact 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

#### **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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Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)	
Cable Qualification Standards	IEC 60794-1-2	
EN50575 CPR Cable EuroClass Fire Perfe	ormance Dca	
EN50575 CPR Cable EuroClass Smoke R	lating s1a	
EN50575 CPR Cable EuroClass Droplets	Rating d1	
EN50575 CPR Cable EuroClass Acidity R	lating 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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