

Fiber Drop Cable, Façade, Duct and Aerial, FTTH, 1 fiber, Singlemode, G. 657.A2, Gel-filled, Meters jacket marking, Black jacket, Dca Flame Rating

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor/outdoor cable
<b>Product Series</b>	C-DN

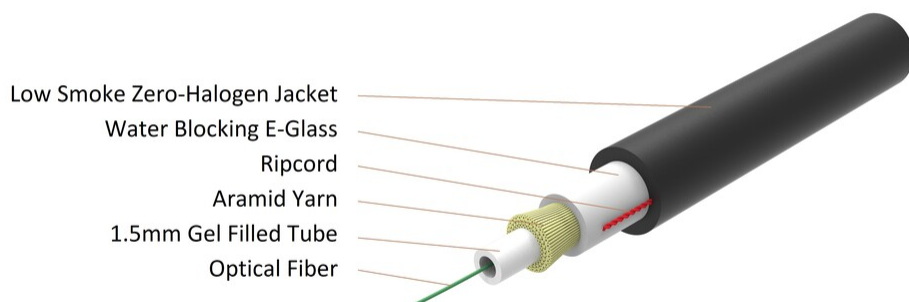
## General Specifications

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

## Dimensions

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

## Representative Image



## 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)

# 810009825/DB | C-001-DN-8G-M01BK/15G/V6/D

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<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	IEC 60794-1-2
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Dca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d1
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Outdoor
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5

## Environmental Test Specifications

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

## Packaging and Weights

<b>Cable weight</b>	26 kg/km   17.471 lb/kft
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## Included Products

CS-8G-TB	–	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)
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## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable