



Fiber Drop Cable, Façade, Duct and Aerial, FTTH, 1 fiber, Singlemode, G. 657.A2, Gel-filled, Meters jacket marking, Black jacket color, 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
Construction Type	Breakout   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 [YYYY] 1F.O. 10.D-7 A2 EXT CLASS Dca-s1, d0, a1 [SERIAL NUMBER] [MM/YY] [METRES] M
Subunit, quantity	1
Fibers per Subunit, quantity	1
Total Fiber Count	1

## 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

## Material Specifications

Jacket Material	Low Smoke Zero Halogen (LSZH)
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## Mechanical Specifications

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

## Optical Specifications

<b>Fiber Type</b>	G.657.A2
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## Environmental Specifications

<b>Installation temperature</b>	0 °C to +60 °C (-32 °F to +140 °F)
<b>Operating Temperature</b>	-25 °C to +70 °C (-13 °F to +158 °F)
<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>	s1
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d0
<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

**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