



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

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®
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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)
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	s1
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Outdoor
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