810010403/DB | C-006-DN-8G-M06BK/15G/D

Fiber indoor/outdoor cable, LightScope® ZWP Gel-filled loose tube, 6 fiber, Singlemode , Meters jacket marking, Black jacket color, 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
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Subunit, quantity	1
Fibers per Subunit, quantity	6
Total Fiber Count	6

Dimensions

Buffer Tube/Subunit Diameter	1.5 mm	0.059 in
Diameter Over Jacket	4.6 mm	0.181 in

Representative Image

COMMSCOPE®

Low-Smoke Zero-Halogen Jacket

Water-Blocking E-Glass Strength Elements

Water-Blocking Aramid Strength Elements

Ripcord

Gel-Filled Buffer Tube (2.0mm)

Optical Fibre
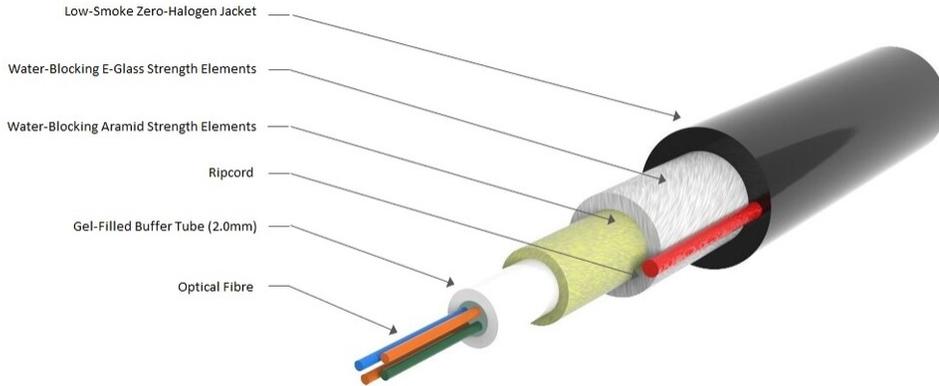
Mechanical Specifications

Minimum Bend Radius, loaded	25 mm | 0.984 in
Minimum Bend Radius, unloaded	25 mm | 0.984 in
Tensile Load, long term, maximum	600 N | 134.885 lbf
Tensile Load, short term, maximum	1500 N | 337.214 lbf
Cable Crush Resistance, maximum	15 N/mm | 85.652 lb/in
Compression Test Method	IEC 60794-1-2 E3
Impact	10 N-m | 88.507 in lb
Impact Test Method	IEC 60794-1 E4
Twist	100 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.652.D and G.657.A1

Environmental Specifications

Installation temperature	-10 °C to +50 °C (+14 °F to +122 °F)
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Storage Temperature	-40 ºC to +70 °C (-40 ºF to +158 ºF)
Cable Qualification Standards	IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1a

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EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Drop	Universal Low Smoke Zero Halogen (ULSZH)
Flame Test Listing	IEC 60332-1-2
Flame Test Method	EN 50399	IEC 60754-2	IEC 61034-2
Water Penetration	24 h

Environmental Test Specifications

Temperature Cycle	-30 °C to +70 °C (-22 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	30 kg/km	20.159 lb/kft

Included Products

CS-8G-LT	–	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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