760244231 | C-012-DN-8G-M12BK/20G/D

Fiber indoor/outdoor cable, LightScope® ZWP Gel-filled loose tube, 12 fiber, Singlemode G.657.A2, 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
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 760244231 12F ITU-T G657A2 LSZH [Serial NUMBER] [METRE MARK]
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Buffer Tube/Subunit Diameter	2 mm	0.079 in
Diameter Over Jacket	5.05 mm	0.199 in

Representative Image

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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	400 N | 89.924 lbf
Tensile Load, short term, maximum	1500 N | 337.214 lbf
Cable Crush Resistance, maximum	15 N/mm | 85.652 lb/in
Compression	15 N/mm | 85.652 lb/in
Compression Test Method	IEC 60794-1-2 E3
Impact	3 N-m | 26.552 in lb
Impact Test Method	IEC 60794-1 E4
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.657.A2

Optical Specifications, Wavelength Specific

Attenuation, maximum	0.35 dB/km @ 1,300 nm

Environmental Specifications

Installation temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	0 °C to +70 °C (+32 °F to +158 °F)

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Cable Qualification Standards	IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
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	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	34 kg/km	22.847 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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