810010165/DB | C-002-DN-8F-M02BK/20G-P001



Fiber indoor/outdoor cable, LightScope® ZWP Gel-filled loose tube, 2 fiber, Singlemode G.657.A1, 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	OPTICAL CABLE COMMSCOPE ADSS-NOTKtcdD 2J7A1 (1x2)OF 1,5kN {Serial Number} MM/YYYY 1234 M
Subunit, quantity	1
Fibers per Subunit, quantity	2
Total Fiber Count	2
Dimensions	
Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Jacket	5.05 mm 0.199 in

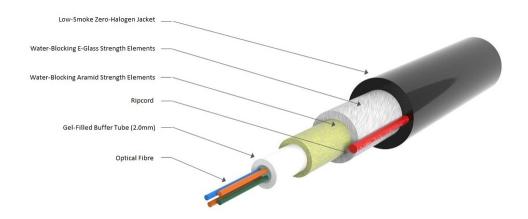
Representative Image

Page 1 of 3

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810010165/DB | C-002-DN-8F-M02BK/20G-P001



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.A1

Optical Specifications, Wavelength Specific

Attenuation, maximum

0.35 dB/km @ 1,300 nm

Environmental Specifications

Installation temperature	-10 °C to +70 °C (+14 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

Page 2 of 3

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Cable Qualification Stand	ards	IEC 60794-1-2		
EN50575 CPR Cable Euro	Class Fire Performance	Dca		
EN50575 CPR Cable Euro	Class Smoke Rating	s1a		
EN50575 CPR Cable Euro	Class Droplets Rating	d0		
EN50575 CPR Cable Euro	Class Acidity Rating	al		
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		
Regulatory Compliance/Certifications				
Agency	ency Classification			
CHINA-ROHS	Below maximum concentration value			
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance			
ROHS	Compliant			
UK-ROHS	Compliant			

Included Products

CS-8F-250-EMEA – LightScope® ZWP Singlemode Fiber 8F-250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 3 of 3

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