810010181/DB | L-096-LN-8W-M12YL/15D/B



Product Classification

Single Jacket All-Dielectric, Gel-Free, Indoor Stranded Microsheath Tube Cable

Regional Availability Asia | Australia/New Zealand | EMEA | Latin America Portfolio CommScope® **Product Type** Fiber indoor cable **Product Series** L-LN General Specifications Cable Type Stranded microsheath tube Non-armored **Construction Type** Gel-free Subunit Type Yellow **Jacket Color Jacket Marking** Custom printing **Jacket Marking Method** Inkjet COMMSCOPE GB OPTICAL CABLE 810010178/DB 24 X G657A1 EN50575 **Jacket Marking Text** CLASS C ULSZH [Serial number] [metre mark] Subunit, quantity 8 Fibers per Subunit, quantity 12 **Total Fiber Count** 96 Dimensions **Buffer Tube/Subunit Diameter** 1.5 mm | 0.059 in **Diameter Over Jacket** 8.7 mm | 0.343 in

Representative Image

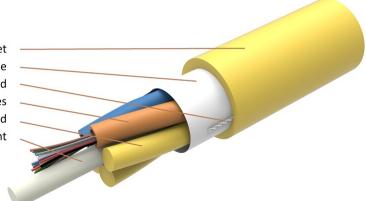
Page 1 of 3

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LSZH Jacket Water Blocking Tape Ripcord Microsheath Loose Tubes LSZH Filler Rod Central Strength Element



Material Specifications

Inner Jacket Material

Mechanical Specifications

Low Smoke Zero Halogen (LSZH)

Minimum Bend Radius, unloaded	130 mm 5.118 in
Tensile Load, long term, maximum	150 N 33.721 lbf
Tensile Load, short term, maximum	700 N 157.366 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.652.D and G.657.A1

Environmental Specifications

Page 2 of 3

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COMMSCOPE°

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Installation temperature		0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature		-10 °C to +60 °C (+14 °F to +140 °F)
Storage Temperature		-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Stand	lards	IEC 60794-1-2
EN50575 CPR Cable Euro	Class Fire Performance	B2ca
EN50575 CPR Cable Euro	Class Smoke Rating	s1a
EN50575 CPR Cable Euro	Class Droplets Rating	d0
EN50575 CPR Cable Euro	Class Acidity Rating	a1
Environmental Space		Low Smoke Zero Halogen (LSZH)
Environmental Test Specifications		
Temperature Cycle		-10 °C to +60 °C (+14 °F to +140 °F)
Temperature Cycle Test I	Method	IEC 60794-1 F1
Packaging and Weights		
Cable weight		82 kg/km 55.101 lb/kft
Regulatory Compliance/Certifications		
Agency	Classification	
CHINA-ROHS	Below maximum concentration	/alue

CHINA ROHS Classification Below maximum concentration value Compliant Compliant

UK-ROHS

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 3 of 3

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