810010182/DB | L-144-LN-8W-M12YL/15D/B



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

Product Classification

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	
Construction Type	Non-armored	
Subunit Type	Gel-free	
Jacket Color	Yellow	
Jacket Marking	Custom printing	
Jacket Marking Method	Inkjet	
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 810010178/DB 24 X G657A1 EN50575 CLASS C ULSZH [Serial number] [metre mark]	
Subunit, quantity	12	
Fibers per Subunit, quantity	12	
Total Fiber Count	144	
Dimensions		
Buffer Tube/Subunit Diameter	1.5 mm 0.059 in	
Diameter Over Jacket	10.7 mm 0.421 in	

Representative Image

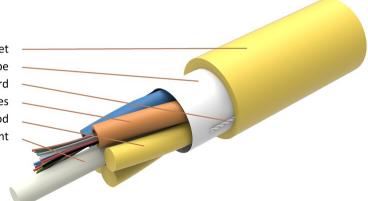
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LSZH Jacket Water Blocking Tape Ripcord Microsheath Loose Tubes LSZH Filler Rod Central Strength Element



Material Specifications

Inner Jacket Material

Mechanical Specifications

Low Smoke Zero Halogen (LSZH)

Minimum Bend Radius, unloaded	120 mm 4.724 in
Tensile Load, long term, maximum	150 N 33.721 lbf
Tensile Load, short term, maximum	1200 N 269.771 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

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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 Standards		IEC 60794-1-2
EN50575 CPR Cable EuroClass Fire Performance		B2ca
EN50575 CPR Cable EuroClass Smoke Rating		sla
EN50575 CPR Cable EuroClass Droplets Rating		d0
EN50575 CPR Cable EuroClass 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		118 kg/km 79.292 lb/kft
Regulatory Compliance/Certifications		
Agency	Classification	
CHINA-ROHS	Below maximum concentration value	
ROHS	Compliant	

UK-ROHS



Included Products

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

Compliant

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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