810010180/DB | L-072-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	6
Fibers per Subunit, quantity	12
Total Fiber Count	48
Dimensions	
Buffer Tube/Subunit Diameter	1.5 mm 0.059 in
Diameter Over Jacket	7.2 mm 0.283 in

Representative Image

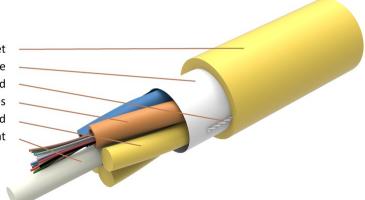
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LSZH Jacket Water Blocking Tape Ripcord Microsheath Loose Tubes LSZH Filler Rod Central Strength Element



Material Specifications

Inner Jacket Material

Mechanical Specifications

Low Smoke Zero Halogen (LSZH)

Minimum Bend Radius, unloaded	96 mm 3.78 in
Tensile Load, long term, maximum	150 N 33.721 lbf
Tensile Load, short term, maximum	600 N 134.885 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, TeraSPEED®

Environmental Specifications

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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 Standards	IEC 60794-1-2	
EN50575 CPR Cable EuroClass Fire Performance	B2ca	
EN50575 CPR Cable EuroClass Smoke Rating	s1a	
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 Method	IEC 60794-1 F1	
Packaging and WeightsCable weight69.5 kg/km 46.702 lb/kft		
	09.0 kg/km 10.7 02 lb/kit	
CS-8W-LT – TeraSPEED® G652D/G657A1 Singlemode Fiber		

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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