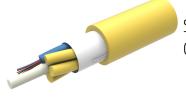
# 810010177/DB | L-012-LN-8W-M12YL/15D/B



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
Filler, quantity	4
Jacket Color	Yellow
Jacket Marking	Custom printing
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 810010177/DB 12 X G657A1 EN50575 CLASS C ULSZH [Serial number] [metre mark]
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12
Dimensions	
Buffer Tube/Subunit Diameter	1.5 mm   0.059 in
Diameter Over Jacket	6.7 mm   0.264 in

## Representative Image

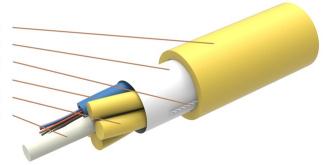
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LSZH Jacket Water Blocking Tape Ripcord Microsheath Loose Tubes LSZH Filler Rod Central Strength Element



### Mechanical Specifications

Minimum Bend Radius, unloaded	80 mm   3.15 in
Tensile Load, long term, maximum	150 N   33.721 lbf
Tensile Load, short term, maximum	480 N   107.908 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
Optical Specifications	
Fiber Type	G.657.A1, TeraSPEED®
Environmental Enerifications	

#### **Environmental Specifications**

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

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EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	al
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Listing	EN 50399
Flame Test Method	EN 50399   IEC 60332-1-2   IEC 60754-2   IEC 61034-2
Environmental Test Specifications	
Temperature Cycle	-10 °C to +60 °C (+14 °F to +140 °F)

Temperature Cycle Test Method

### Packaging and Weights

Cable weight

49 kg/km | 32.926 lb/kft

IEC 60794-1 F1

### Regulatory Compliance/Certifications

AgencyClassificationCHINA-ROHSBelow maximum concentration valueROHSCompliantUK-ROHSCompliant



#### Included Products

CS-8W-LT – TeraSPEED® G652D/G657A1 Singlemode Fiber

### \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

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