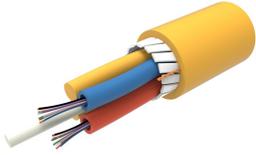# 810009809/DB | L-048-LN-8F-M12YL/14D/GY/C

Fiber indoor cable, Single Jacket All-Dielectric, Gel-Free, 48 fibers, Stranded Microsheath Tube, Singlemode, G.657.A1, Meters jacket marking, Yellow jacket color, Cca Flame rating. Provides Rodent Resistance

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	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 810009809/DB 48x 9/125 G657A1 LSZH EN50575 CLASS C [SERIAL NUMBER] [METER MARK]
Subunit, quantity	4
Fibers per Subunit, quantity	12
Total Fiber Count	48

Dimensions

Buffer Tube/Subunit Diameter	1.4 mm	0.055 in
Diameter Over Jacket	6.6 mm	0.26 in

Representative Image

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LSZH OUTER JACKET

WATER BLOCKING E-GLASS

CENTERAL STRENGTH MEMBER

MICRISHEATH TUBES WITH FIBRES

RIPCORD
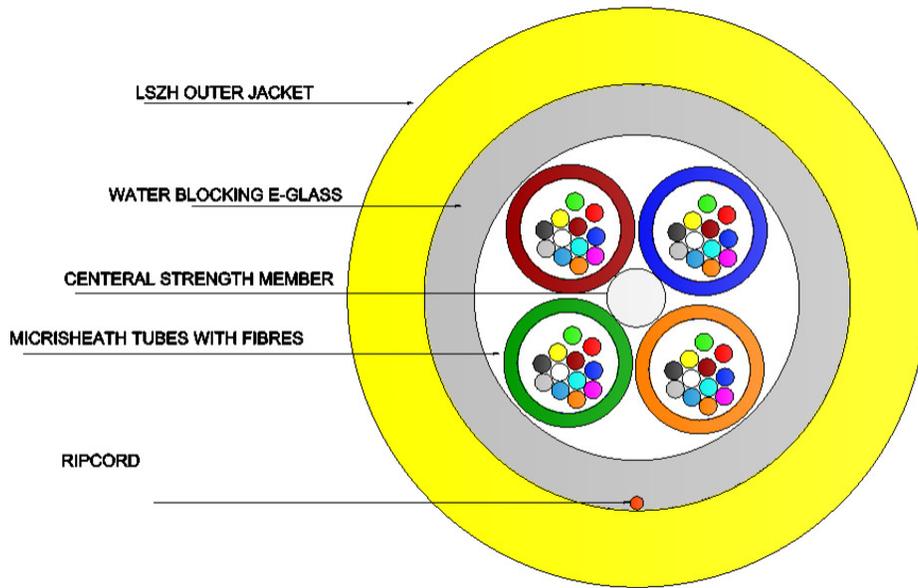
Material Specifications

Inner Jacket Material	Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded	130 mm	5.118 in
Minimum Bend Radius, unloaded	90 mm	3.543 in
Tensile Load, long term, maximum	850 N	191.088 lbf
Tensile Load, short term, maximum	1450 N	325.973 lbf
Compression	10 N/mm	57.101 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Impact	2 N-m	17.701 in lb
Impact Test Method	FOTP-25	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33	IEC 60794-1 E1
Vertical Rise, maximum	1600 m	5,249.344 ft

Optical Specifications

Fiber Type	G.657.A1, TeraSPEED®

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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	Cca
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

Cable Freeze	-2 °C | 28.4 °F
Cable Freeze Test Method	FOTP-98 | IEC 60794-1 F15
Temperature Cycle	-10 °C to +60 °C (+14 °F to +140 °F)
Temperature Cycle Test Method	FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight	46.6 kg/km | 31.314 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ROHS	Compliant
UK-ROHS	Compliant

Included Products

CS-8F-LT	–	Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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