760252789 | L-048-LN-5G-M12LM/14D/GY/C



Fiber indoor cable, Single Jacket All-Dielectric, Gel-Free, Stranded Microsheath Tube cable, 48 fiber, OM5, Green 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	Lime green	
Jacket Marking	Meters	
Jacket Marking Method	Inkjet	
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

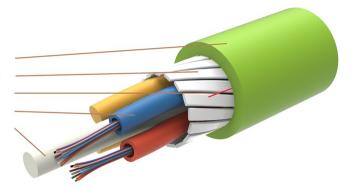
Page 1 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 21, 2025



760252789 | L-048-LN-5G-M12LM/14D/GY/C

LSZH Outer Jacket Water Blocking E-Glass Ripcord Microsheath Tubes Central Strength Member



Material Specifications

Inner Jacket Material

Mechanical Specifications

Low Smoke Zero Halogen (LSZH)

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

OM5

Environmental Specifications

Page 2 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 21, 2025

COMMSCOPE[®]

760252789 | L-048-LN-5G-M12LM/14D/GY/C

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	Сса
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	

46.6 kg/km | 31.314 lb/kft

Included Products

Cable weight

CS-5G-LT

 LazrSPEED® OM5 WideBand Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 3 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 21, 2025

