# 760130930 | R-096-LN-5L-F12BK/25D



Fiber Indoor/Outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Riser Rated, 96 fiber, Gel-Free, Stranded Loose Tube, Multimode OM3, Feet jacket marking, Black jacket color

### Product Classification

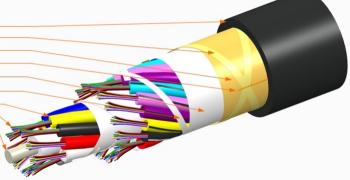
PortfolioCommScope®Product TypeFiber indoor/outdoor cableProduct SeriesR-LNGeneral SpecificationsStranded loose tubeCable TypeStranded loose tubeConstruction TypeOon-armoredSubmit TypeCal fare	Regional Availability	Asia   Australia/New Zealand   Latin America   Middle East /Africa   North America
Product SeriesR-LNGeneral SpecificationsStranded loose tubeCable TypeStranded loose tubeConstruction TypeNon-armored	Portfolio	CommScope®
General SpecificationsCable TypeStranded loose tubeConstruction TypeNon-armored	Product Type	Fiber indoor/outdoor cable
Cable Type Stranded loose tube   Construction Type Non-armored	Product Series	R-LN
Construction Type Non-armored	General Specifications	
	Cable Type	Stranded loose tube
	Construction Type	Non-armored
Subunit Type Gernee	Subunit Type	Gel-free
Jacket Color Black	Jacket Color	Black
Jacket Marking Feet	Jacket Marking	Feet
Subunit, quantity 8	Subunit, quantity	8
Fibers per Subunit, quantity12	Fibers per Subunit, quantity	12
Total Fiber Count 96	Total Fiber Count	96
Dimensions	Dimensions	
Buffer Tube/Subunit Diameter2.5 mm   0.098 in	Buffer Tube/Subunit Diameter	2.5 mm   0.098 in
Diameter Over Jacket     13.5 mm   0.531 in	Diameter Over Jacket	13.5 mm   0.531 in

### Representative Image



## 760130930 | R-096-LN-5L-F12BK/25D

PVC Outer Jacket Binder Flame Retardant Tape Ripcord (1) Water Swellable Tape Binder 2.5mm Gel-Free Buffer Tubes 250 micron Fibers Dielectric Strength Member



## Mechanical Specifications

Minimum Bend Radius, loaded	202 mm   7.953 in
Minimum Bend Radius, unloaded	134 mm   5.276 in
Tensile Load, long term, maximum	800 N   179.847 lbf
Tensile Load, short term, maximum	2700 N   606.984 lbf
Compression	22 N/mm   125.623 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	4.41 N-m   39.032 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
Twist	10 cycles
Twist Test Method	FOTP-85   IEC 60794-1 E7
Vertical Rise, maximum	500 m   1,640.42 ft
Optical Specifications	
Fiber Type	OM3, LazrSPEED® 300   OM3, LazrSPEED® 300

### **Environmental Specifications**

Installation temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

Page 2 of 4



# 760130930 | R-096-LN-5L-F12BK/25D

Cable Qualification Standards	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409
Environmental Space	Riser
Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

Cable Freeze	-2 °C   28.4 °F
Cable Freeze Test Method	FOTP-98   IEC 60794-1 F15
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-37   IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

### Packaging and Weights

Cable weight

164 kg/km | 110.203 lb/kft

### Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



#### Included Products

CS-5L-LT

LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

Page 3 of 4



### \* Footnotes

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

Page 4 of 4

