760136051 | R-144-LN-5L-F12BK/25D



Fiber Indoor/Outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Riser Rated, 144 fiber, Gel-Free, Stranded Loose Tube, Multimode OM3, Feet jacket marking, Black jacket color

Product Classification

Regional Availability	Asia Australia/New Zealand Latin America Middle East /Africa North America	
Portfolio	CommScope®	
Product Type	Fiber indoor/outdoor cable	
Product Series	R-LN	
General Specifications		
Cable Type	Stranded loose tube	
Construction Type	Non-armored	
Subunit Type	Gel-free	
Jacket Color	Black	
Jacket Marking	Feet	
Subunit, quantity	12	
Fibers per Subunit, quantity	12	
Total Fiber Count	144	
Dimensions		
Buffer Tube/Subunit Diameter	2.5 mm 0.098 in	
Diameter Over Jacket	17.1 mm 0.673 in	

Representative Image

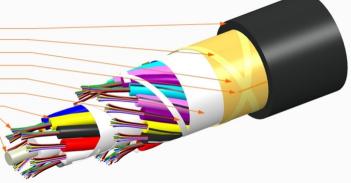
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PVC Outer Jacket __ Binder --Flame Retardant Tape --Ripcord (1) --Water Swellable Tape --Binder --2.5mm Gel-Free Buffer Tubes --250 micron Fibers --Dielectric Strength Member --



Mechanical Specifications

Minimum Bend Radius, loaded	257 mm 10.118 in
Minimum Bend Radius, unloaded	171 mm 6.732 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	5.88 N-m 52.042 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	309 m 1,013.78 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)

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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 Penentration	24 h	
Water Penentration 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

264 kg/km | 177.4 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
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ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

Included Products

CS-5L-LT

 LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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