760152884 | R-002-LN-5L-F02BK/25D



Fiber Indoor/Outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Riser Rated, Gel-Free, 2-fiber, 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	
Filler, quantity	4	
Jacket Color	Black	
Jacket Marking	Feet	
Subunit, quantity	1	
Fibers per Subunit, quantity	2	
Total Fiber Count	2	
Dimensions		
Buffer Tube/Subunit Diameter	2.5 mm 0.098 in	
Diameter Over Jacket	11.5 mm 0.453 in	

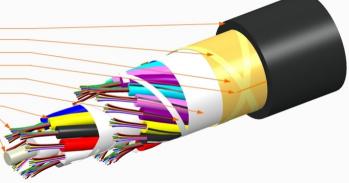
Representative Image

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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	173 mm 6.811 in
Minimum Bend Radius, unloaded	115 mm 4.528 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	2.94 N-m 26.021 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	692 m 2,270.341 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 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

118 kg/km | 79.292 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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