760131003 | R-144-LZ-5L-F12BK/25D



Fiber indoor/outdoor cable, LazrSPEED®, Riser Rated, Gel-Free, Stranded Loose Tube with Aluminum Interlocking Armor containing a Riser Rated Outer Jacket, 144 fiber, 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-LZ
General Specifications	
Armor Type	Interlocking aluminum
Cable Type	Stranded loose tube
Construction Type	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 Armor	23.5 mm 0.925 in
Diameter Over Jacket	25.5 mm 1.004 in

Representative Image

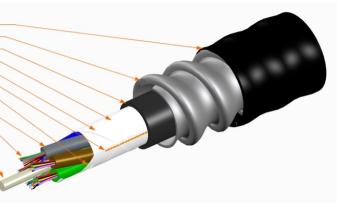
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Riser-Rated Outer Jacket -Interlocking Aluminum Armor -Riser-Rated Inner Jacket -Water Swellable Tape -Binder -Ripcord (1) -Binder -2.5 mm Gel-Free Buffer Tubes -250 micron Fibers -Dielectric Strength Member -



Mechanical Specifications

Minimum Bend Radius, loaded 511 mm 20.118 in
Minimum Bend Radius, unloaded 357 mm 14.055 in
Tensile Load, long term, maximum400 N 89.924 lbf
Tensile Load, short term, maximum1335 N 300.12 lbf
Compression 85 N/mm 485.363 lb/in
Compression Test MethodFOTP-41 IEC 60794-1 E3
Flex25 cycles
Flex Test Method FOTP-104 I IEC 60794-1 E6
Impact 35 N-m 309.776 in lb
Impact Test MethodFOTP-25 IEC 60794-1 E4
Strain See long and short term tensile loads
Strain Test MethodFOTP-33 IEC 60794-1 E1
Twist 10 cycles
Twist Test Method FOTP-85 I IEC 60794-1 E7
Vertical Rise, maximum82 m 269.029 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)

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Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696 EN 187105 Telcordia GR-409
Environmental Space	Riser
Flame Test Listing	NEC OFCR (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

489 kg/km | 328.593 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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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