760238361 | R-012-LZ-5G-F12BK/25D



Fiber indoor/outdoor cable, LazrSPEED®, 12 fiber, Multimode OM5, Gel-Free, Stranded Loose Tube with Aluminum Interlocking Armor containing a Riser Rated Outer Jacket, Feet jacket marking, Black jacket color

Product Classification

PortfolioCommScope®Product TypeFiber indoor/outdoor cableProduct SeriesR-LZGeneral SpecificationsInterocking aluminumArmor TypeInterocking aluminumGable TypeStranded loose tubeConstruction TypeArmoredSubunit TypeGel-freeJaket ColorBackJaket ColorInterocking aluminumJaket ColorIJaket MarkingPeetSubunit, quantity1Fibers per Subunit, quantity1Total Fiber CountIDimensionsStram I (0.098 inBuffer Tube/Subunit DiameterStram I (0.098 inBuffer Tube/Subunit DiameterStram I (0.2724 in)	Regional Availability	Asia Australia/New Zealand Latin America Middle East /Africa North America
Product SeriesRLZProduct SeriesRelZGeneral SpecificationsInterlocking aluminumArmor TypeInterlocking aluminumCable TypeStranded loose tubeConstruction TypeArmoredSubunit TypeGel-freeFiller, quantity4Jacket ColorBlackJacket Color1Subunit quantity12Fibers per Subunit, quantity12Total Fiber Count12DimensionsSimm [0.098 inBuffer Tube/Subunit Diameter18.4mm [0.724 in	Portfolio	CommScope®
General SpecificationsArmor TypeInterlocking aluminumCable TypeStranded loose tubeConstruction TypeArmoredSubunit TypeGel-freeFiller, quantity4Jacket ColorBlackJacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity12Total Fiber Court12DimensionsSum 0.098 inBuffer Tube/Subunit Diameter2.5 mm 0.098 inDiameter Over Armor18.4 mm 0.724 in	Product Type	Fiber indoor/outdoor cable
Armor TypeInterlocking aluminumCable TypeStranded loose tubeConstruction TypeArmoredSubunit TypeGel freeFiller, quantity4Jacket ColorBlackJacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity12Total Fiber Court12Birter Tube/Subunt Diameter2.5mm 0.098 inBuffer Tube/Subunt Diameter8.4mm 0.724 in	Product Series	R-LZ
Cable TypeStranded loose tubeConstruction TypeArmoredSubunit TypeGel-freeFiller, quantity4Jacket ColorBlackJacket ColorBlackSubunit, quantity1Fibers per Subunit, quantity12Total Fiber Count12Buffer Tube/Subunit Diameter2.5 mm 0.098 inBuffer Tube/Subunit Diameter18.4 mm 0.724 in	General Specifications	
Construction TypeArmoredSubunit TypeGel-freeFiller, quantity4Jacket ColorBlackJacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity12Total Fiber Count12Buffer Tube/Subunit Diameter2.5 mm 0.098 inBuffer Tube/Subunit Diameter18.4 mm 0.724 in	Armor Type	Interlocking aluminum
Suburit TypeGel-freeFiller, quantity4Jacket ColorBlackJacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity12Total Fiber Count12Dimensions2.5 mm 0.098 inBuffer Tube/Subunit Diameter2.5 mm 0.724 in	Cable Type	Stranded loose tube
Filler, quantity4Filler, quantity4Jacket ColorBlackJacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity12Total Fiber Count12Dimensions2.5 mm 0.098 inBuffer Tube/Subunit Diameter2.5 mm 0.724 in	Construction Type	Armored
Jacket ColorBlackJacket ColorBlackJacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity12Total Fiber Count12DimensionsSuburit CountBuffer Tube/Subunit Diameter2.5 mm 0.098 inDiameter Over Armor18.4 mm 0.724 in	Subunit Type	Gel-free
Jacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity12Total Fiber Count12Dimensions	Filler, quantity	4
Subunit, quantity1Fibers per Subunit, quantity12Total Fiber Count12Dimensions2.5 mm 0.098 inDiameter Over Armor18.4 mm 0.724 in	Jacket Color	Black
Fibers per Subunit, quantity12Total Fiber Count12Dimensions2.5 mm 0.098 inDiameter Over Armor18.4 mm 0.724 in	Jacket Marking	Feet
Total Fiber Count12Dimensions2.5 mm 0.098 inDiameter Over Armor18.4 mm 0.724 in	Subunit, quantity	1
DimensionsBuffer Tube/Subunit Diameter2.5 mm 0.098 inDiameter Over Armor18.4 mm 0.724 in	Fibers per Subunit, quantity	12
Buffer Tube/Subunit Diameter2.5 mm 0.098 inDiameter Over Armor18.4 mm 0.724 in	Total Fiber Count	12
Diameter Over Armor18.4 mm 0.724 in	Dimensions	
	Buffer Tube/Subunit Diameter	2.5 mm 0.098 in
	Diameter Over Armor	18.4 mm 0.724 in
Diameter Over Jacket20.5 mm 0.807 in	Diameter Over Jacket	20.5 mm 0.807 in

Representative Image

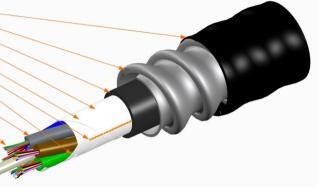
Page 1 of 3

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Mechanical Specifications

Minimum Bend Radius, loaded	409 mm 16.102 in
Minimum Bend Radius, unloaded	286 mm 11.26 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1335 N 300.12 lbf
Compression	85 N/mm 485.363 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	35 N-m 309.776 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	125 m 410.105 ft
Optical Specifications	
Fiber Type	OM5, LazrSPEED® wideband OM5, LazrSPEED® wideband

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)

Page 2 of 3

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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 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

320 kg/km | 215.03 lb/kft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

Included Products

CS-5G-LT – LazrSPEED® OM5 WideBand Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 3 of 3

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