



760171488 | R-048-LZ-5K-F12BK/25D

**LazrSPEED® Indoor/Outdoor, Riser Rated, Gel-Free, Stranded Loose Tube Cable with Aluminum Interlocking Armor containing a Riser Rated Outer Jacket**

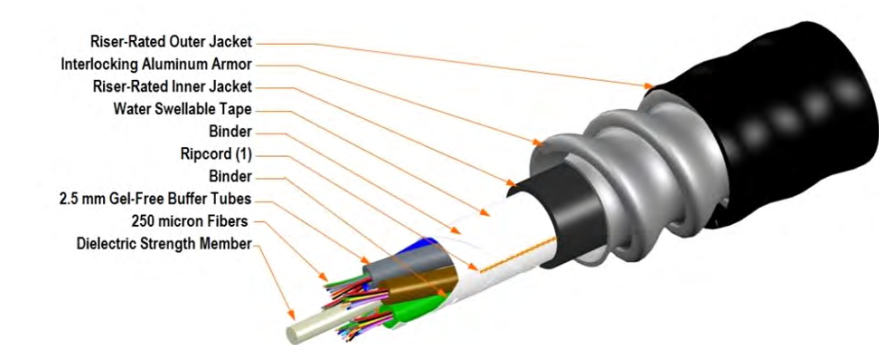
## Product Classification

Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America

## Standards And Qualifications

Cable Qualification Standards	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409
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## Representative Image



## General Specifications

Construction Type	Armored
Cable Type	Stranded loose tube
Subunit Type	Gel-free

## Construction Materials

Total Fiber Count	48
Armor Type	Interlocking aluminum
Fiber Type	OM4, LazrSPEED® 550
Fiber Type Solution	OM4, LazrSPEED® 550
Fiber Type, quantity	48
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

## Dimensions

Buffer Tube/Subunit Diameter	2.50 mm   0.10 in
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Cable Weight	320.0 kg/km   215.0 lb/kft
Diameter Over Armor	18.40 mm   0.72 in
Diameter Over Jacket	20.50 mm   0.81 in
Filler, quantity	1
Subunit, quantity	4

## Physical Specifications

Minimum Bend Radius, loaded	40.9 cm   16.1 in
Minimum Bend Radius, unloaded	28.6 cm   11.3 in
Tensile Load, long term, maximum	400 N   90 lbf
Tensile Load, short term, maximum	1335 N   300 lbf
Vertical Rise, maximum	125.0 m   410.1 ft

## Flame Test Specifications

Flame Test Listing	NEC OFCR (ETL) and c(ETL)
Flame Test Method	UL 1666

## Environmental Specifications

Environmental Space	Riser
Installation Temperature	-30 °C to +70 °C (-22 °F to +158 °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)

## Mechanical Test Specifications

Compression	483 lb/in   85 N/mm
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	25.81 ft lb   35.00 N-m
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
Water Penetration	24 h
Water Penetration Test Method	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

Cable Freeze	-2 °C   28 °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

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Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)  
Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



## Included Products

CS-5K-LT (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

## \* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable