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



Fiber indoor/outdoor cable, LazrSPEED®, Gel-Free, Stranded Loose Tube with Aluminum Interlocking Armor containing a Riser Rated Outer Jacket, 48 fiber, Multimode OM4, Feet jacket marking, Black jacket color

#### **Product Classification**

**Regional Availability** Asia | Australia/New Zealand | Latin America | Middle East

48

/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

Filler, quantity

**Jacket Color** Black **Jacket Marking** Feet 4 Subunit, quantity 12 Fibers per Subunit, quantity **Total Fiber Count** 

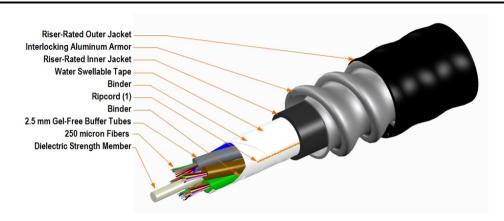
Dimensions

**Buffer Tube/Subunit Diameter** 2.5 mm | 0.098 in **Diameter Over Armor** 18.4 mm | 0.724 in **Diameter Over Jacket** 20.5 mm | 0.807 in

Representative Image



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### Mechanical Specifications

Minimum Bend Radius, loaded409 mm | 16.102 inMinimum Bend Radius, unloaded286 mm | 11.26 inTensile Load, long term, maximum400 N | 89.924 lbfTensile Load, short term, maximum1335 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** OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

### **Environmental Specifications**

Installation temperature  $-10 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (+14  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

Operating Temperature  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-40  $^{\circ}\text{F}$  to +158  $^{\circ}\text{F}$ )

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Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+75 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+167 \,^{\circ}\text{F}$ )

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**  $-30 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-22 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$ 

**Low High Bend Test Method** FOTP-37 | IEC 60794-1 E11

**Temperature Cycle**  $-40 \,^{\circ}\text{C to} + 70 \,^{\circ}\text{C } (-40 \,^{\circ}\text{F to} + 158 \,^{\circ}\text{F})$ 

**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-5K-LT – LazrSPEED® 550 OM4 Bend-Insensitive Multimode

Fiber

\* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

