

Fiber Indoor/Outdoor cable, LazrSPEED®, Low Smoke Zero Halogen Riser Distribution Cable, 72 fiber multi-unit with 12 fiber subunits, Gel-free, Multimode OM3, Feet jacket marking, Black jacket color, B2ca flame rating

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor/outdoor cable
<b>Product Series</b>	Z-DS

## General Specifications

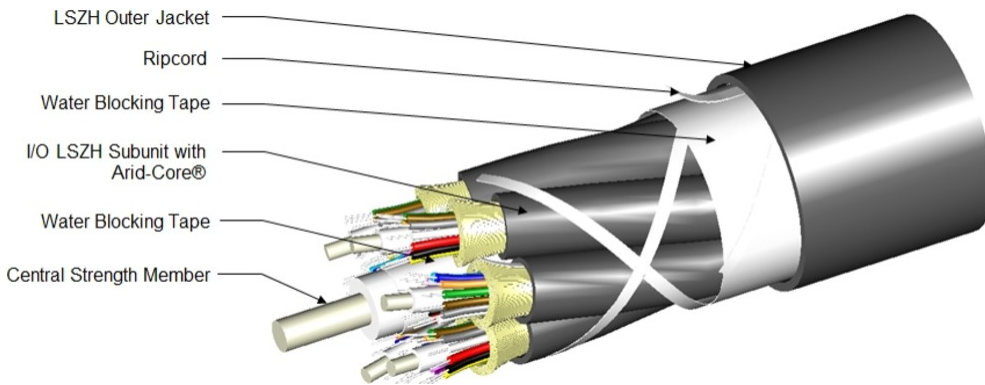
<b>Cable Type</b>	Distribution
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-free
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Feet
<b>Subunit, quantity</b>	6
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	72

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	7.2 mm   0.283 in
<b>Diameter Over Jacket</b>	23.4 mm   0.921 in

## Representative Image

# 760019612 | Z-072-DS-5L-FMUBK/B2



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	351 mm   13.819 in
<b>Minimum Bend Radius, unloaded</b>	234 mm   9.213 in
<b>Tensile Load, long term, maximum</b>	1335 N   300.12 lbf
<b>Tensile Load, short term, maximum</b>	4450 N   1,000.4 lbf
<b>Compression</b>	22 N/mm   125.623 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	100 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	5.88 N-m   52.042 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	285 m   935.039 ft

## Optical Specifications

<b>Fiber Type</b>	OM3, LazrSPEED® 300   OM3, LazrSPEED® 300
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## Environmental Specifications

<b>Installation temperature</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-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-20 (water penetration) | Telcordia GR-409

### EN50575 CPR Cable EuroClass Fire Performance

B2ca

### EN50575 CPR Cable EuroClass Smoke Rating

s1b

### EN50575 CPR Cable EuroClass Droplets Rating

d0

### EN50575 CPR Cable EuroClass Acidity Rating

a1

## Environmental Space

Low Smoke Zero Halogen (LSZH) | Riser

## Flame Test Listing

NEC OFNR-ST1 (ETL) and c(ETL)

## Flame Test Method

IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | UL 1666 | UL 1685

## Jacket UV Resistance

UV stabilized

## Water Penetration

24 h

## Water Penetration Test Method

FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

### Cable Freeze Test Method

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

-40 °C to +70 °C (-40 °F to +158 °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

477 kg/km | 320.529 lb/kft

## Regulatory Compliance/Certifications

### Agency

### Classification

CENELEC

EN 50575 compliant, Declaration of Performance (DoP) available

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

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

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant



## Included Products

CS-5L-TB - LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

## \* Footnotes

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