

700210982 | Z-012-DS-5L-FSUBK/D

**LazrSPEED® Indoor/Outdoor Low Smoke Zero Halogen Riser Distribution Cable, 12 fiber single-unit**

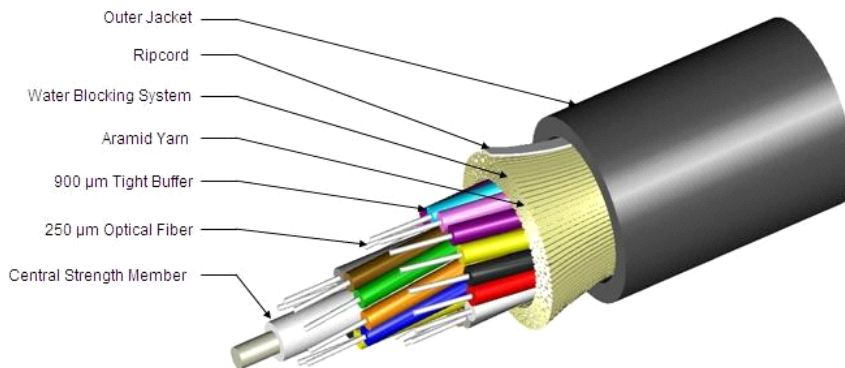
## Product Classification

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

## Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca   s1a   d1   a2
Cable Qualification Standards	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-20 (water penetration)   Telcordia GR-409

## Representative Image



## General Specifications

Construction Type	Non-armored
Cable Type	Distribution

## Construction Materials

Total Fiber Count	12
Fiber Type	OM3, LazrSPEED® 300
Fiber Type Solution	OM3, LazrSPEED® 300
Fiber Type, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

## Dimensions

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Cable Weight	33.0 lb/kft   49.0 kg/km
Diameter Over Jacket	7.20 mm   0.28 in

## Physical Specifications

Minimum Bend Radius, loaded	10.8 cm   4.3 in
Minimum Bend Radius, unloaded	7.2 cm   2.8 in
Tensile Load, long term, maximum	120 lbf   534 N
Tensile Load, short term, maximum	400 lbf   1780 N
Vertical Rise, maximum	500.0 m   1640.4 ft

## Flame Test Specifications

Flame Test Listing	NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   UL 1666   UL 1685

## Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)   Riser
Installation Temperature	-30 °C to +60 °C (-22 °F to +140 °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	126 lb/in   22 N/mm
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	100 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	4.34 ft lb   5.88 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 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

## Regulatory Compliance/Certifications

700210982 | Z-012-DS-5L-FSUBK/D

**Agency**

RoHS 2011/65/EU  
ISO 9001:2008

**Classification**

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



## Included Products

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CS-5L-TB (Product Component—not orderable) — LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

### \* Footnotes

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Operating Temperature Specification applicable to non-terminated bulk fiber cable