

Fiber Indoor/Outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Riser Rated, 144 fiber, Gel-Free, Stranded Loose Tube, Multimode OM3, Feet jacket marking, Black jacket color

#### **Product Classification**

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

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/Africa | North America

**Portfolio** CommScope®

**Product Type** Fiber indoor/outdoor cable

**Product Series** R-LN

General Specifications

Cable Type Stranded loose tube

**Construction Type** Non-armored

**Subunit Type** Gel-free

**Jacket Color** Black

**Jacket Marking** Feet

Subunit, quantity 12 Fibers per Subunit, quantity

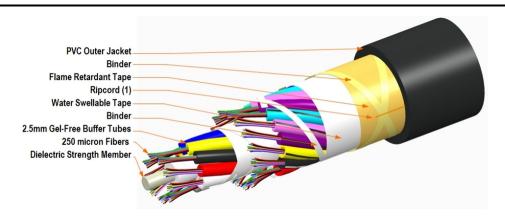
**Total Fiber Count** 144

**Dimensions** 

**Buffer Tube/Subunit Diameter** 2.5 mm | 0.098 in **Diameter Over Jacket** 17.1 mm | 0.673 in

Representative Image





### Mechanical Specifications

Minimum Bend Radius, loaded 257 mm | 10.118 in

Minimum Bend Radius, unloaded 171 mm | 6.732 in

**Tensile Load, long term, maximum** 800 N | 179.847 lbf

Tensile Load, short term, maximum 2700 N | 606.984 lbf

**Compression** 22 N/mm | 125.623 lb/in

Compression Test Method FOTP-41 | IEC 60794-1 E3

Flex 25 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 5.88 N-m | 52.042 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** 309 m | 1,013.78 ft

**Optical Specifications** 

Fiber Type OM3, LazrSPEED® 300 | OM3, LazrSPEED® 300

#### **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  $^{\circ}\text{F}$ )

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

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**Cable Qualification Standards** ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-409

**Environmental Space** Riser

Flame Test Listing NEC OFNR (ETL) and c(ETL)

Flame Test Method UI 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 264 kg/km | 177.4 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
CHINA DOUG	Polow movimum

Below maximum concentration value CHINA-ROHS

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

ROHS Compliant **UK-ROHS** Compliant



#### Included Products

LazrSPEED® 300 OM3 Bend-Insensitive Multimode CS-5L-LT



\* Footnotes

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