

760146902 | Z-048-LN-5L-F12BK/20G/HTS

**LazrSPEED® Indoor/Outdoor High Tensile Strength Riser Rated Low Smoke Zero Halogen (LSZH) Mini All-Dielectric Single Jacket, Gel-Filled, Stranded Loose Tube, Arid Core® Cable**

- Additional layer of e-glass for enhanced rodent resistance

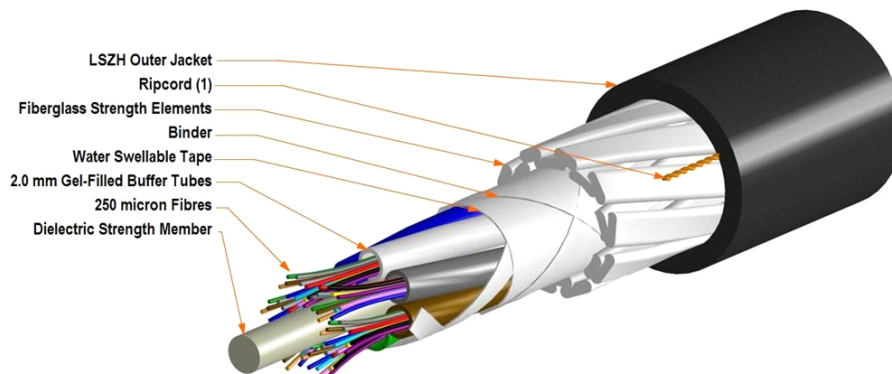
## Product Classification

Portfolio	CommScope®
Brand	LazrSPEED®
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 | s2 | d1 | a1

## Representative Image



## General Specifications

Construction Type	Non-armored
Cable Type	Stranded loose tube
Fiber Short Description	Z-072-LN-XY-F12NS/20G/HTS
Subunit Type	Gel-filled

## Construction Materials

Total Fiber Count	48
Fiber Type	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Fiber Type Solution	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Fiber Type, quantity	48
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

## Dimensions

Buffer Tube/Subunit Diameter	2.00 mm   0.08 in
Cable Weight	166.0 kg/km   112.0 lb/kft
Diameter Over Jacket	12.80 mm   0.50 in
Filler, quantity	2
Subunit, quantity	4

## Physical Specifications

Minimum Bend Radius, loaded	19.6 cm   7.7 in
Minimum Bend Radius, unloaded	13.1 cm   5.2 in
Tensile Load, long term, maximum	1334 N   300 lbf
Tensile Load, short term, maximum	1000 lbf   4448 N
Vertical Rise, maximum	807.0 m   2647.6 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	Aerial, lashed   Buried   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	125 lb/in   22 N/mm
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	2.17 ft lb   2.94 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
Drip	70 °C   158 °F
Drip Test Method	FOTP-81   IEC 60794-1 E14

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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

## Qualification Specifications

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

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

### \* Footnotes

Operating Temperature    Specification applicable to non-terminated bulk fiber cable