

760083378 | Z-012-DN-5L-F12BK

**LazrSPEED® Indoor/Outdoor Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core Drop Cable**

## Product Classification

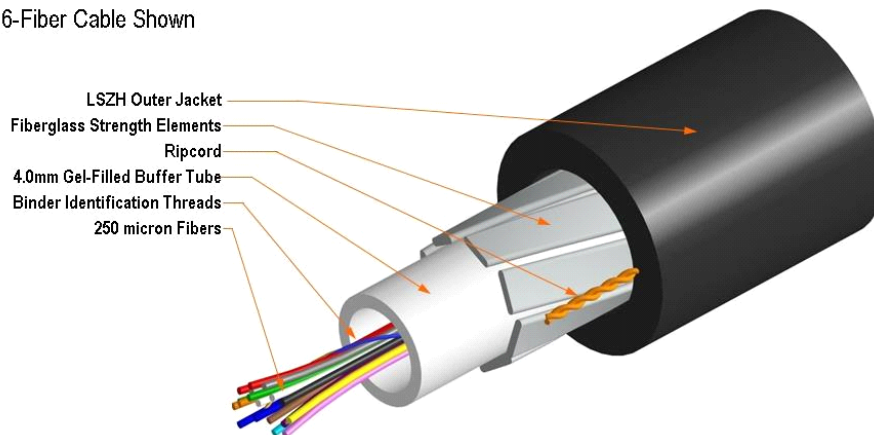
Portfolio	CommScope®
Brand	LazrSPEED®
Product Type	Fiber drop cable
Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America

## Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca   s2   d1   a1
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## Representative Image

16-Fiber Cable Shown



## General Specifications

Cable Type	Riser rated low smoke
Construction Type	Non-armored
Subunit Type	Gel-filled

## Construction Materials

Fiber Type Solution	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Jacket Material	PE
Total Fiber Count	12
Fiber Type	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Fiber Type, quantity	12
Fibers per Subunit, quantity	12

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Jacket Color	Black
Jacket UV Resistance	UV stabilized

## Dimensions

Buffer Tube/Subunit Diameter	4.00 mm   0.16 in
Cable Weight	48.0 lb/kft   72.0 kg/km
Diameter Over Jacket	8.30 mm   0.33 in
Subunit, quantity	1

## Physical Specifications

Minimum Bend Radius, loaded	12.5 cm   4.9 in
Minimum Bend Radius, unloaded	8.3 cm   3.3 in
Tensile Load, long term, maximum	400 N   90 lbf
Tensile Load, short term, maximum	1334 N   300 lbf
Vertical Rise, maximum	572.0 m   1876.6 ft

## Flame Test Specifications

Flame Test Method	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   UL 1666   UL 1685
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## Environmental Specifications

Environmental Space	Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)   Riser
Installation Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-20 °C to +75 °C (-4 °F to +167 °F)

## Mechanical Test Specifications

Compression	10 N/mm   57 lb/in
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 Test Method	IEC 60794-1 F9
Low High Bend	-20 °C to +60 °C (-4 °F to +140 °F)
Low High Bend Test Method	FOTP-37   IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

## Qualification Specifications

Cable Qualification Standards      ANSI/ICEA S-110-717

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available



## 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