

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

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio

CommScope®

Product Type

Fiber drop cable

General Specifications

Bundle, quantity

2

Cable Type

Riser rated low smoke

Construction Type

Non-armored

Fiber Type, quantity

24

Jacket Color

Black

Subunit Type

Gel-filled

Subunit, quantity

1

Total Fiber Count

24

Dimensions

Buffer Tube/Subunit Diameter

4 mm | 0.157 in

Diameter Over Jacket

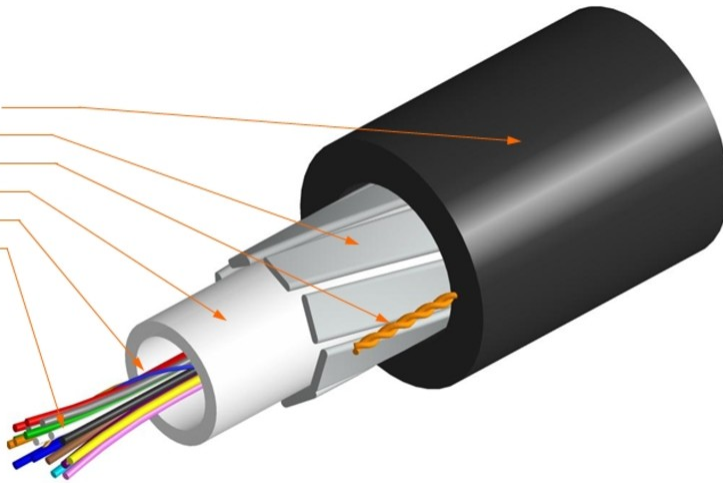
8.3 mm | 0.327 in

Representative Image

760103457 | Z-024-DN-5K-F12BK/D

16-Fiber Cable Shown

LSZH Outer Jacket
Fiberglass Strength Elements
Ripcord
4.0mm Gel-Filled Buffer Tube
Binder Identification Threads
250 micron Fibers



Material Specifications

Jacket Material Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 12.5 cm 4.921 in |
| Minimum Bend Radius, unloaded | 8.3 cm 3.268 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1334 N 299.895 lbf |
| Compression | 10 N/mm 57.101 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 35 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 2.94 N-m 26.021 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 | 572 m 1,876.64 ft |

Optical Specifications

Fiber Type OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

Environmental Specifications

| | |
|---|--|
| 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) |
| Cable Qualification Standards | ANSI/ICEA S-110-717 |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s2 |
| EN50575 CPR Cable EuroClass Droplets Rating | d1 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) Riser |
| Flame Test Method | IEC 60332-3 IEC 60754-2 IEC 61034-2 IEEE 383 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 | -2 °C 28.4 °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 |
| 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 |

Packaging and Weights

| | |
|---------------------|--------------------------|
| Cable weight | 72 kg/km 48.382 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
ROHS Compliant



Included Products

CS-5K-LT – LazrSPEED® 550 OM4 Bend-Insensitive Multimode
Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable