# 760155044  |  Z-012-LA-5L-F12BK/25D/C

Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), 12 fiber, Gel-Free, Stranded Loose Tube, Multimode OM3, Black jacket color, Feet jacket marking, Cca flame rating

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia  |  Australia/New Zealand  |  EMEA  |  Europe  |  Latin America  |  North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber indoor/outdoor cable |
| **Product Series** | Z-LA |

## General Specifications

| | |
|---|---|
| **Armor Type** | Corrugated steel |
| **Cable Type** | Stranded loose tube |
| **Construction Type** | Armored |
| **Subunit Type** | Gel-free |
| **Filler, quantity** | 4 |
| **Jacket Color** | Black |
| **Jacket Marking** | Feet |
| **Subunit, quantity** | 1 |
| **Fibers per Subunit, quantity** | 12 |
| **Total Fiber Count** | 12 |

## Dimensions

| | |
|---|---|
| **Buffer Tube/Subunit Diameter** | 2.5 mm  |  0.098 in |
| **Diameter Over Jacket** | 13 mm  |  0.512 in |

## Representative Image

COMMSCOPE®

LSZH Outer Jacket
Steel Tape Armoring
Binder
Ripcord (2)
Water Swellable Tape
Binder
2.5mm Gel-Free Buffer Tubes
250 micron Fibers
Dielectric Strength Member

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 195 mm  \|  7.677 in |
| **Minimum Bend Radius, unloaded** | 130 mm  \|  5.118 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** | 3 N-m  \|  26.552 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** | 461 m  \|  1,512.467 ft |

## Optical Specifications

| | |
|---|---|
| **Fiber Type** | OM3, LazrSPEED® 300   \|   OM3, LazrSPEED® 300 |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -30 °C to +60 °C (-22 °F to +140 °F) |
| **Operating Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |

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# 760155044 | Z-012-LA-5L-F12BK/25D/C

| | |
|---|---|
| **Storage Temperature** | -40 °C to +75 °C (-40 °F to +167 °F) |
| **Cable Qualification Standards** | ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-20 | Telcordia GR-409 |
| **EN50575 CPR Cable EuroClass Fire Performance** | Cca |
| **EN50575 CPR Cable EuroClass Smoke Rating** | s1b |
| **EN50575 CPR Cable EuroClass Droplets Rating** | d2 |
| **EN50575 CPR Cable EuroClass Acidity Rating** | a1 |
| **Environmental Space** | Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH) |
| **Flame Test Listing** | EN 50399 | NEC OFC-ST1 (ETL) and c(ETL) |
| **Flame Test Method** | EN 50399 | IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | IEEE 1202 | 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 |
| **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** | 177 kg/km | 118.939 lb/kft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

**CENELEC**

## Included Products

**COMMSCOPE®**

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

## * Footnotes

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