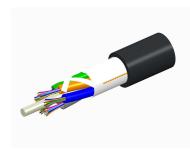
## 760242825 | C-006-LN-5L-F06BK/25D/LTS/B2



Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), Gel-Free, 6 fiber, Stranded Loose Tube, Multimode OM3, Feet jacket marking, Black jacket color, B2ca flame rating

#### **Product Classification**

Regional Availability

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

America

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

Product Series C-LN

General Specifications

Cable Type Stranded loose tube

Construction Type Non-armored

**Subunit Type** Gel-free

Filler, quantity 3

Jacket Color Black

Jacket Marking Feet

Subunit, quantity 1

Fibers per Subunit, quantity 6

Total Fiber Count 6

Dimensions

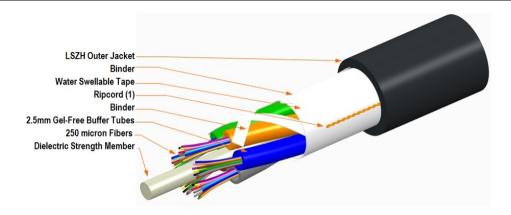
**Buffer Tube/Subunit Diameter** 2.5 mm | 0.098 in

**Diameter Over Jacket** 10.83 mm | 0.426 in

Representative Image



## 760242825 | C-006-LN-5L-F06BK/25D/LTS/B2



#### Mechanical Specifications

Minimum Bend Radius, loaded157 mm6.181 inMinimum Bend Radius, unloaded104 mm4.094 inTensile Load, long term, maximum400 N | 89.924 lbf

Tensile Load, short term, maximum 1335 N | 300.12 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 436 m | 1,430.446 ft

**Optical Specifications** 

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

### **Environmental Specifications**

Installation temperature  $-30 \,^{\circ}\text{C}$  to  $+55 \,^{\circ}\text{C}$  (-22  $^{\circ}\text{F}$  to +131  $^{\circ}\text{F}$ )

Operating Temperature  $-40 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (-40  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

Page 2 of 4

#### C-006-LN-5L-F06BK/25D/LTS/B2 760242825 l

-40 °C to +65 °C (-40 °F to +149 °F) **Storage Temperature** 

ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-20 | Telcordia GR-**Cable Qualification Standards** 

**EN50575 CPR Cable EuroClass Fire Performance** B2ca

**EN50575 CPR Cable EuroClass Smoke Rating** s1a

**EN50575 CPR Cable EuroClass Droplets Rating** 

**EN50575 CPR Cable EuroClass Acidity Rating** а1

Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH) **Environmental Space** 

d0

Flame Test Method IEC 60332-1 | IEC 60754-2 | IEC 61034-2

**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 +55 °C (-22 °F to +131 °F)

Low High Bend Test Method FOTP-37 | IEC 60794-1 E11

**Temperature Cycle** -40 °C to +60 °C (-40 °F to +140 °F)

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight 95 kg/km | 63.837 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

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

Fiber



# 760242825 | C-006-LN-5L-F06BK/25D/LTS/B2

\* Footnotes

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