## 760053801 | D-144-LA-5K-F12NS



Fiber OSP cable, LazrSPEED® Single Jacket/Single Armor, 144 fiber, Gel-Free, Stranded Loose Tube, Multimode OM4, Feet jacket marking, Black jacket color

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

### **Product Classification**

Regional Availability

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

America

Portfolio CommScope®

Product Type Fiber OSP cable

Product Series D-LA

### General Specifications

Armor Type Corrugated steel

 Cable Type
 Stranded loose tube

Construction TypeArmoredSubunit TypeGel-free

Jacket Color Black
Jacket Marking Feet

Subunit, quantity 12

Fibers per Subunit, quantity 12

**Total Fiber Count** 144

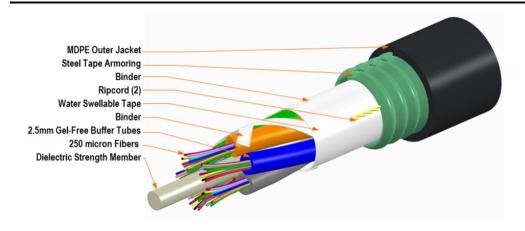
#### **Dimensions**

Buffer Tube/Subunit Diameter2.5 mm | 0.098 inDiameter Over Jacket17.1 mm | 0.673 in

### Representative Image



# 760053801 | D-144-LA-5K-F12NS



#### Material Specifications

Jacket Material PE

## Mechanical Specifications

Minimum Bend Radius, loaded257 mm | 10.118 inMinimum Bend Radius, unloaded171 mm | 6.732 inTensile Load, long term, maximum800 N | 179.847 lbfTensile Load, short term, maximum2700 N | 606.984 lbf

 Compression
 44 N/mm | 251.246 lb/in

 Compression Test Method
 FOTP-41 | IEC 60794-1 E3

Flex 25 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 5.88 N-m | 52.042 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** 349 m | 1,145.013 ft

Optical Specifications

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



## 760053801 | D-144-LA-5K-F12NS

### **Environmental Specifications**

Installation temperature

-30 °C to +70 °C (-22 °F to +158 °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)

Cable Qualification Standards

ANSI/ICEA S-87-640 | EN 187105

Environmental Space Aerial, lashed | Buried

Jacket UV Resistance UV stabilized

Water Penentration 24 h

Water Penetration Qualification Method ANSI/ICEA S-87-640

Water Penentration 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**  $-30 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-22 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$ 

**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** 234 kg/km | 157.241 lb/kft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

Included Products

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

Fiber

\* Footnotes

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

