# 760175216 | P-144-LZ-5K-F12BK/25D



Fiber indoor/outdoor cable, LazrSPEED®, Plenum Rated, Gel-Free, Stranded Loose Tube with Aluminum Interlocking Armor containing a Plenum Rated Outer Jacket, 144 fiber, Multimode OM4, Feet jacket marking, Black jacket color

### Product Classification

Regional Availability	Asia   Australia/New Zealand   Latin America   Middle East /Africa   North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	P-LZ
General Specifications	
Armor Type	Interlocking aluminum
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	12
Fibers per Subunit, quantity	12
Total Fiber Count	144
Dimensions	
Buffer Tube/Subunit Diameter	2.5 mm   0.098 in
Diameter Over Armor	21 mm   0.827 in
Diameter Over Jacket	23 mm   0.906 in

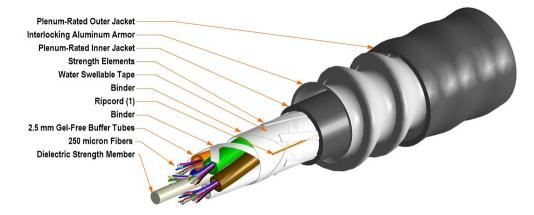
# Representative Image

Page 1 of 3

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# 760175216 | P-144-LZ-5K-F12BK/25D



## Mechanical Specifications

Minimum Bend Radius, loaded	459 mm   18.071 in
Minimum Bend Radius, unloaded	321 mm   12.638 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1335 N   300.12 lbf
Compression	85 N/mm   485.363 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	35 N-m   309.776 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	82 m   269.029 ft
Optical Specifications	
Fiber Type	OM4, LazrSPEED® 550   OM4, LazrSPEED® 550

#### **Environmental Specifications**

Installation temperature

**Operating Temperature** 

-30 °C to +70 °C (-22 °F to +158 °F) -40 °C to +70 °C (-40 °F to +158 °F)

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Page 2 of 3

# 760175216 | P-144-LZ-5K-F12BK/25D

Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)	
Cable Qualification Standards	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409	
Environmental Space	Plenum	
Flame Test Listing	NEC OFCP (ETL) and c(ETL)	
Flame Test Method	NFPA 130   NFPA 262	
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** 

500 kg/km | 335.984 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

Page 3 of 3

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