

Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket All-Dielectric, Plenum Rated, 144 fiber, Multimode/Singlemode, Gel-Free, Stranded Loose Tube, PVDF jacket, Black jacket color, Feet cable marking

## 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-LN

## General Specifications

### Cable Type

Stranded loose tube

### Construction Type

Non-armored

### Subunit Type

Gel-free

### Jacket Color

Black

### Jacket Marking

Feet

### Subunit, quantity

12

### Fibers per Subunit, quantity

12

### Composite Fiber Count

72 + 72

### Total Fiber Count

144

## Dimensions

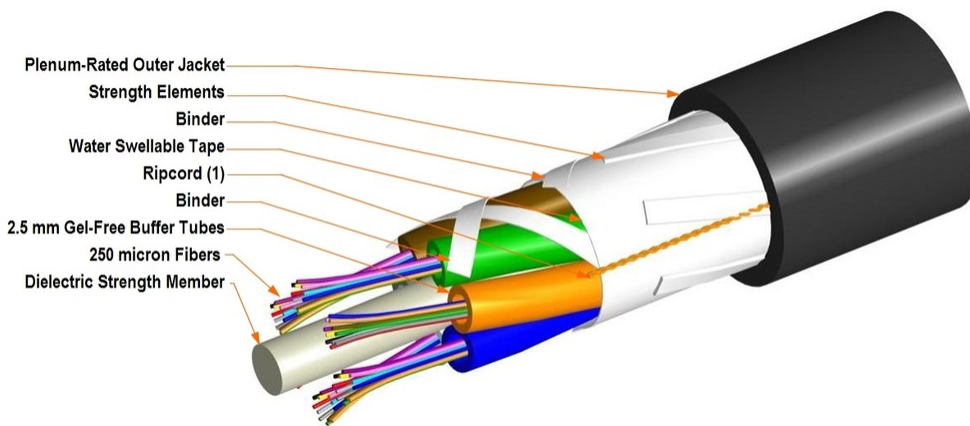
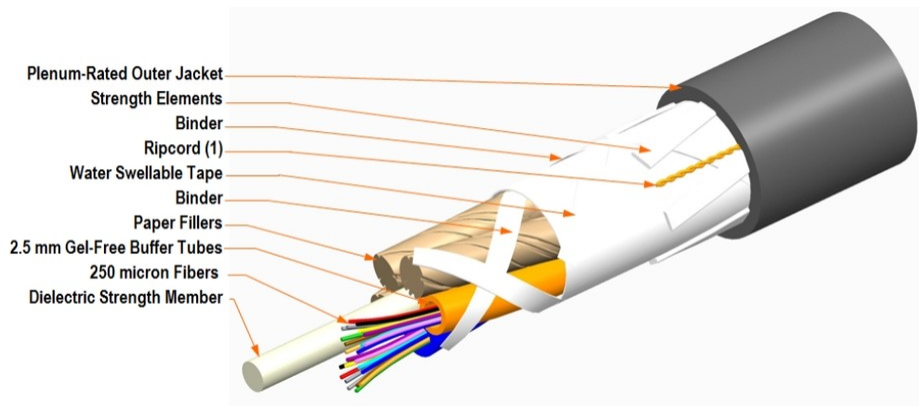
### Buffer Tube/Subunit Diameter

2.5 mm | 0.098 in

### Diameter Over Jacket

15.3 mm | 0.602 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	230 mm   9.055 in
<b>Minimum Bend Radius, unloaded</b>	153 mm   6.024 in
<b>Tensile Load, long term, maximum</b>	800 N   179.847 lbf
<b>Tensile Load, short term, maximum</b>	2700 N   606.984 lbf
<b>Compression</b>	22 N/mm   125.623 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	4.41 N-m   39.032 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles

# 760231639 | P-144-LN-CM-F12BK/25D/8W072 /5K072

**Twist Test Method** FOTP-85 | IEC 60794-1 E7

**Vertical Rise, maximum** 327 m | 1,072.835 ft

## Optical Specifications

**Fiber Type** Composite MM/SM | G.652.D and G.657.A1, TeraSPEED® | OM4, LazrSPEED® 550 | OS2 | OS2

## 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-104-696 | EN 187105 | Telcordia GR-409

**Environmental Space** Plenum

**Flame Test Listing** NEC OFNP (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** 250 kg/km | 167.992 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
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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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

- CS-5K-LT – LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber
- CS-8W-IOLT – TeraSPEED® OS2 Singlemode Fiber

## \* Footnotes

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