

LazrSPEED® Indoor/Outdoor, Single Jacket All-Dielectric, Riser Rated, Gel-Free, Stranded Loose Tube Cable

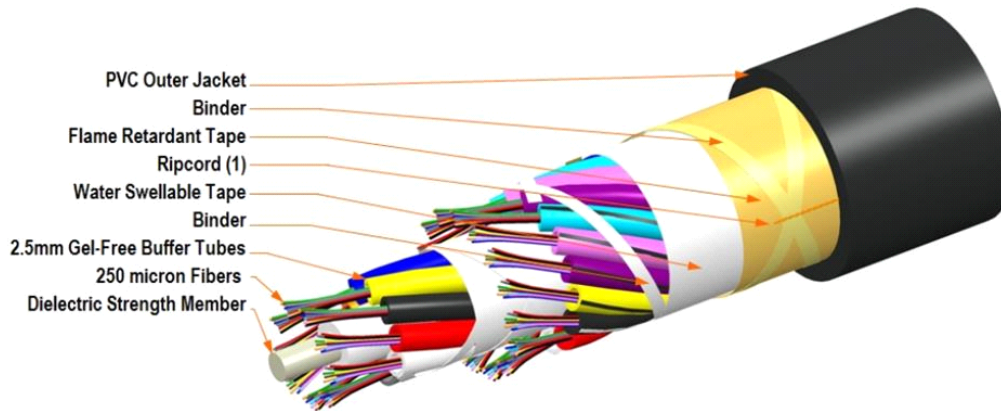
## Product Classification

<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor/outdoor cable
<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America

## Standards And Qualifications

<b>Cable Qualification Standards</b>	ANSI/ICEA S-104-696   EN 187105   Telcordia GR-409
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## Representative Image



## General Specifications

<b>Construction Type</b>	Non-armored
<b>Cable Type</b>	Stranded loose tube
<b>Subunit Type</b>	Gel-free

## Construction Materials

<b>Fiber Type Solution</b>	OM4, LazrSPEED® 550
<b>Total Fiber Count</b>	72
<b>Fiber Type</b>	OM4, LazrSPEED® 550
<b>Fiber Type, quantity</b>	72
<b>Fibers per Subunit, quantity</b>	12
<b>Jacket Color</b>	Black

**Jacket UV Resistance** UV stabilized

## Dimensions

**Buffer Tube/Subunit Diameter** 2.50 mm | 0.10 in  
**Cable Weight** 127.0 kg/km | 85.0 lb/kft  
**Diameter Over Jacket** 11.90 mm | 0.47 in  
**Subunit, quantity** 6

## Physical Specifications

**Minimum Bend Radius, loaded** 23.9 cm | 9.4 in  
**Minimum Bend Radius, unloaded** 9.4 cm | 3.7 in  
**Tensile Load, long term, maximum** 180 lbf | 800 N  
**Tensile Load, short term, maximum** 2700 N | 607 lbf  
**Vertical Rise, maximum** 646.0 m | 2119.4 ft

## Flame Test Specifications

**Flame Test Listing** NEC OFNR (ETL) and c(ETL)  
**Flame Test Method** UL 1666

## Environmental Specifications

**Environmental Space** Riser  
**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)

## Mechanical Test Specifications

**Compression** 125 lb/in | 22 N/mm  
**Compression Test Method** FOTP-41 | IEC 60794-1 E3  
**Flex** 35 cycles  
**Flex Test Method** FOTP-104 | IEC 60794-1 E6  
**Impact** 2.17 ft lb | 2.94 N-m  
**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  
**Water Penetration** 24 h  
**Water Penetration Test Method** FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

<b>Cable Freeze</b>	-2 °C   28 °F
<b>Cable Freeze Test Method</b>	FOTP-98   IEC 60794-1 F15
<b>Heat Age</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## Included Products

CS-5K-LT (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

## \* Footnotes

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