

LazrSPEED® Single Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable

Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber OSP cable

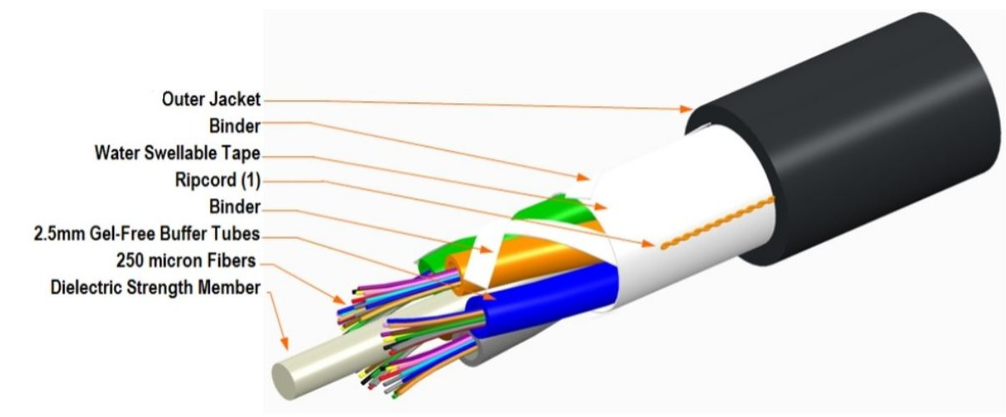
General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Fiber Type, quantity	8
Fibers per Subunit, quantity	8
Filler, quantity	8
Jacket Color	Black
Jacket Marking	Feet
Subunit Type	Gel-free
Subunit, quantity	1
Total Fiber Count	8

Dimensions

Buffer Tube/Subunit Diameter	2.5 mm   0.098 in
Diameter Over Jacket	10.2 mm   0.402 in

Representative Image



Material Specifications

Jacket Material

PE

Mechanical Specifications

Minimum Bend Radius, loaded

153 mm | 6.024 in

Minimum Bend Radius, unloaded

102 mm | 4.016 in

Tensile Load, long term, maximum

800 N | 179.847 lbf

Tensile Load, short term, maximum

2700 N | 606.984 lbf

Compression

22 N/mm | 125.623 lb/in

Compression Test Method

FOTP-41 | IEC 60794-1 E3

Flex

35 cycles

Flex Test Method

FOTP-104 | IEC 60794-1 E6

Impact

4.41 N-m | 39.032 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

1307 m | 4,288.058 ft

Optical Specifications

Fiber Type

OM4, LazrSPEED® 550 | OM4, LazrSPEED® 550

## 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   Telcordia GR-20
Environmental Space	Aerial, lashed   Buried
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	63 kg/km   42.334 lb/kft
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## 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
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## \* Footnotes

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