

Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), 24 fiber, Multimode OM4, Gel Filled, Stranded Loose Tube, Black jacket color, Meters jacket marking, Cca flame rating

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

#### **Product Classification**

Regional Availability EMEA

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

Product Series C-LA

### General Specifications

Armor Type Corrugated steel

Cable Type Stranded loose tube

Construction TypeArmoredSubunit TypeGel-filledJacket ColorBlackJacket MarkingMetersJacket Marking MethodInkjet

Jacket Marking Text COMMSCOPE GB OPTICAL CABLE 5K MM 24 FIBER EN50575 CLASS C

[SERIAL NUMBER] [MM/YY] [METRE MARK]

Subunit, quantity 6
Fibers per Subunit, quantity 12
Total Fiber Count 24

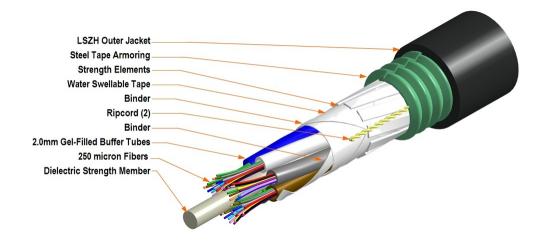
Dimensions

Buffer Tube/Subunit Diameter 2 mm | 0.079 in

Diameter Over Jacket 12.3 mm | 0.484 in

#### Representative Image





### Mechanical Specifications

Minimum Bend Radius, loaded 200 mm | 7.874 in

Minimum Bend Radius, unloaded133 mm5.236 inTensile Load, long term, maximum800 N179.847 lbf

**Tensile Load, short term, maximum** 2700 N | 606.984 lbf

**Compression** 44 N/mm | 251.246 lb/in

**Compression Test Method** IEC 60794-1 E3

Flex 25 cycles

Flex Test Method IEC 60794-1 E6

**Impact** 10 N-m | 88.507 in lb

Impact Test Method 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 IEC 60794-1 E7

**Vertical Rise, maximum** 432 m | 1,417.323 ft

**Optical Specifications** 

Fiber Type OM4, LazrSPEED® 550

**Environmental Specifications** 

Installation temperature -30 °C to +60 °C (-22 °F to +140 °F)

**COMMSCOPE®** 

**Operating Temperature**  $-40 \,^{\circ}\text{C to } +70 \,^{\circ}\text{C } (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+75 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+167 \,^{\circ}\text{F}$ )

**Cable Qualification Standards** EN 187105 | IEC 60794-1-2

 EN50575 CPR Cable EuroClass Fire Performance
 Cca

 EN50575 CPR Cable EuroClass Smoke Rating
 s2

 EN50575 CPR Cable EuroClass Droplets Rating
 d2

 EN50575 CPR Cable EuroClass Acidity Rating
 a1

Environmental Space Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH)

Flame Test Method | IEC 60332-1-2 | IEC 60754-2 | IEC 61034-2

Jacket UV Resistance UV stabilized

Water Penetration 24 h

Water Penetration Test Method IEC 60794-1 F5

**Environmental Test Specifications** 

Cable Freeze-2 °C | 28.4 °FCable Freeze Test MethodIEC 60794-1 F15

**Heat Age** -40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test Method IEC 60794-1 F9

-30 °C to +60 °C (-22 °F to +140 °F)

Low High Bend Test Method IEC 60794-1 E11

**Temperature Cycle**  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

**Temperature Cycle Test Method** IEC 60794-1 F1

Packaging and Weights

**Cable weight** 199.4 kg/km | 133.991 lb/kft

### Regulatory Compliance/Certifications

Agency Classification

CENELEC EN 50575 compliant, Declaration of Performance (DoP) available

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

CENELEC

#### Included Products

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

COMMSCOPE®

Fiber

\* Footnotes

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