

Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), 24 fiber, Multimode OM5, Gel-Free, Stranded Loose Tube, Feet jacket marking, Black jacket color, B2ca flame rating. Provides Rodent Resistance

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

America

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

Product Series C-LN

General Specifications

Cable Type Stranded loose tube

Construction Type Non-armored

Subunit Type Gel-free

Filler, quantity 3

Jacket Color Black

Jacket Marking Feet

Subunit, quantity 2

Fibers per Subunit, quantity 12

Total Fiber Count 24

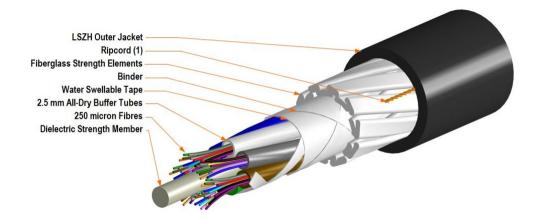
Dimensions

Buffer Tube/Subunit Diameter 2.5 mm | 0.098 in

Diameter Over Jacket 13.61 mm | 0.536 in

Representative Image





Mechanical Specifications

Minimum Bend Radius, loaded204 mm| 8.031 inMinimum Bend Radius, unloaded136 mm| 5.354 inTensile Load, long term, maximum1334 N| 299.895 lbfTensile Load, short term, maximum4448 N| 999.95 lbf

 Compression
 22 N/mm | 125.623 lb/in

 Compression Test Method
 FOTP-41 | IEC 60794-1 E3

Flex 25 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 654 m | 2,145.669 ft

Optical Specifications

Fiber Type OM5, LazrSPEED® wideband | OM5, LazrSPEED® wideband

Environmental Specifications

Installation temperature $-30 \,^{\circ}\text{C}$ to $+55 \,^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to $+131 \,^{\circ}\text{F}$)

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+60 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+140 \,^{\circ}\text{F}$)

Page 2 of 4



Storage Temperature $-40 \,^{\circ}\text{C}$ to $+65 \,^{\circ}\text{C}$ ($-40 \,^{\circ}\text{F}$ to $+149 \,^{\circ}\text{F}$)

Cable Qualification Standards ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-20 | Telcordia GR-

409

EN50575 CPR Cable EuroClass Fire Performance B2ca

EN50575 CPR Cable EuroClass Smoke Rating s1a
EN50575 CPR Cable EuroClass Droplets Rating d0

EN50575 CPR Cable EuroClass Acidity Rating a1

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

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

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 $-30 \,^{\circ}\text{C}$ to $+55 \,^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to $+131 \,^{\circ}\text{F}$)

Low High Bend Test Method FOTP-37 | IEC 60794-1 E11

Temperature Cycle -40 °C to +60 °C (-40 °F to +140 °F)

Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight 194 kg/km | 130.362 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-5G-LT - LazrSPEED® OM5 WideBand Multimode

Fiber



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable