760242821 | C-006-LN-5G-F06BK/25D/HTS/B2



Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), Multimode OM5, 6 fiber, 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 4

Jacket Color Black

Jacket Marking Feet

Subunit, quantity 1

Fibers per Subunit, quantity 6

Total Fiber Count 6

Dimensions

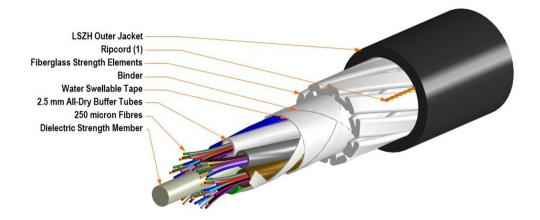
Buffer Tube/Subunit Diameter 2.5 mm | 0.098 in

Diameter Over Jacket 13.61 mm | 0.536 in

Representative Image



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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 $-30 \,^{\circ}\text{C to} + 55 \,^{\circ}\text{C (-22 °F to} + 131 °F)$ Operating Temperature $-40 \,^{\circ}\text{C to} + 60 \,^{\circ}\text{C (-40 °F to} + 140 °F)$

Page 2 of 4



C-006-LN-5G-F06BK/25D/HTS/B2 760242821 |

Storage Temperature -40 °C to +65 °C (-40 °F to +149 °F)

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

EN50575 CPR Cable EuroClass Fire Performance B2ca **EN50575 CPR Cable EuroClass Smoke Rating** s1a

EN50575 CPR Cable EuroClass Droplets Rating EN50575 CPR Cable EuroClass Acidity Rating a1

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

d0

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 °C to +55 °C (-22 °F to +131 °F)

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

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

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

Packaging and Weights

Cable weight 194 kg/km | 130.362 lb/kft

Regulatory Compliance/Certifications

Classification Agency

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

 LazrSPEED® OM5 WideBand Multimode CS-5G-LT

Fiber



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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable