

760151704 | Z-024-LN-5K-F12BK/20G/HTS

LazrSPEED® Indoor/Outdoor High Tensile Strength Riser Rated Low Smoke Zero Halogen (LSZH) Mini All-Dielectric Single Jacket, Gel-Filled, Stranded Loose Tube, Arid Core® Cable

- Additional layer of e-glass for enhanced rodent resistance

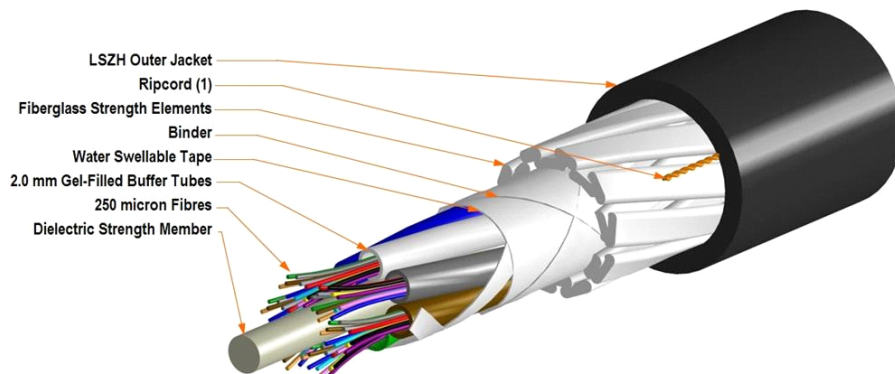
Product Classification

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

Standards And Qualifications

EN50575 CPR Cable EuroClass Dca | s2 | d1 | a1

Representative Image



General Specifications

Construction Type	Non-armored
Cable Type	Stranded loose tube
Fiber Short Description	Z-072-LN-XY-F12NS/20G/HTS
Subunit Type	Gel-filled

Construction Materials

Total Fiber Count	24
Fiber Type	LazrSPEED® 550, 50 µm multimode fiber (OM4)
Fiber Type Solution	LazrSPEED® 550, 50 µm multimode fiber (OM4)
Fiber Type, quantity	24
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.00 mm 0.08 in
Cable Weight	166.0 kg/km 112.0 lb/kft
Diameter Over Jacket	12.80 mm 0.50 in
Filler, quantity	4
Subunit, quantity	2

Physical Specifications

Minimum Bend Radius, loaded	19.6 cm 7.7 in
Minimum Bend Radius, unloaded	13.1 cm 5.2 in
Tensile Load, long term, maximum	1334 N 300 lbf
Tensile Load, short term, maximum	1000 lbf 4448 N
Vertical Rise, maximum	807.0 m 2647.6 ft

Flame Test Specifications

Flame Test Listing	NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method	IEC 60332-3 IEC 60754-2 IEC 61034-2 IEEE 383 UL 1666 UL 1685

Environmental Specifications

Environmental Space	Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) Riser
Installation Temperature	-30 °C to +60 °C (-22 °F to +140 °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

Cable Freeze	-2 °C 28 °F
Cable Freeze Test Method	FOTP-98 IEC 60794-1 F15
Drip	70 °C 158 °F
Drip Test Method	FOTP-81 IEC 60794-1 E14

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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

Qualification Specifications

Cable Qualification Standards ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-409

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	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