760242818 | C-012-LN-5K-F12BK/25D/HTS/B2

Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), 12 fiber, Multimode OM4, 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	12
Total Fiber Count	12

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, loaded	204 mm	8.031 in
Minimum Bend Radius, unloaded	136 mm	5.354 in
Tensile Load, long term, maximum	1334 N	299.895 lbf
Tensile Load, short term, maximum	4448 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	OM4, LazrSPEED® 550	OM4, LazrSPEED® 550

Environmental Specifications

Installation temperature	-30 °C to +55 °C (-22 °F to +131 °F)
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)

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Storage Temperature	-40 °C to +65 °C (-40 °F to +149 °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 °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)
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
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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