

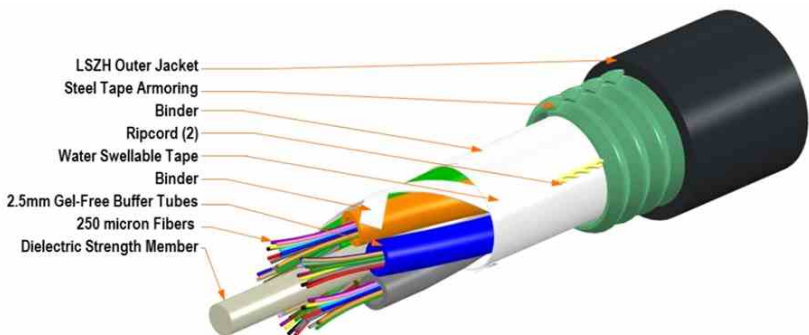


760155051 | Z-024-LA-5L-F12BK/25D

Indoor/Outdoor, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), Gel-Free, Stranded Loose Tube Cable

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

Representative Image



General Specifications

Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Total Fiber Count	24
Armor Type	Corrugated steel
Fiber Type	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Fiber Type, quantity	24
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.50 mm 0.10 in
Cable Weight	177.0 kg/km 119.0 lb/kft
Diameter Over Jacket	13.00 mm 0.51 in
Filler, quantity	3
Subunit, quantity	2

Physical Specifications

Minimum Bend Radius, loaded	19.5 cm 7.7 in
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Minimum Bend Radius, unloaded	13.0 cm		5.1 in
Tensile Load, long term, maximum	800 N		180 lbf
Tensile Load, short term, maximum	2700 N		607 lbf
Vertical Rise, maximum	461.0 m		1512.0 ft

Flame Test Specifications

Flame Test Listing	NEC OFC-LS (ETL) and c(ETL)		
Flame Test Method	IEC 60332-3	IEC 60754-2	IEC 61034-2 IEEE 1202 IEEE 383 UL 1685

Environmental Specifications

Environmental Space	Aerial, lashed	Buried	Low Smoke Zero Halogen (LSZH)
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	250 lb/in		44 N/mm
Compression Test Method	FOTP-41		IEC 60794-1 E3
Flex	35 cycles		
Flex Test Method	FOTP-104		IEC 60794-1 E6
Impact	2.21 ft lb		3.00 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
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-20	Telcordia GR-409
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Regulatory Compliance/Certifications

Agency	Classification
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RoHS 2011/65/EU Compliant
ISO 9001:2008 Designed, manufactured and/or distributed under this quality management system



Included Products

CS-5L-LT (Product Component—not orderable) — LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable