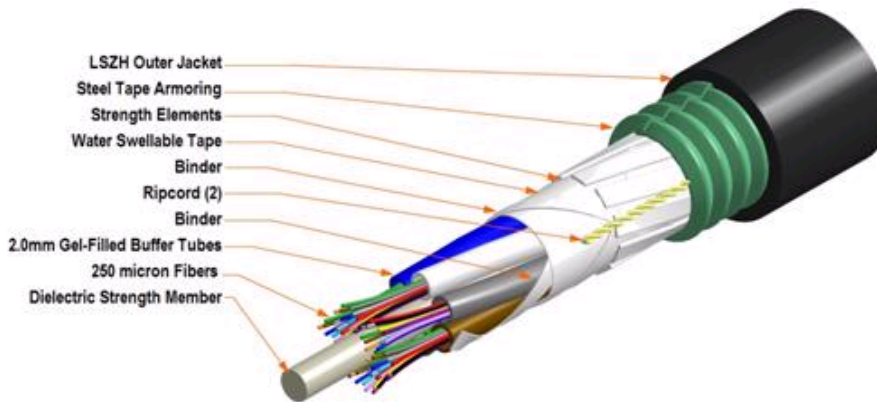


760142059 | Z-048-LA-5L-F12BK/20G

**Indoor/Outdoor Low Smoke Zero Halogen Single Jacket Single Armor Riser Rated Stranded Loose Tube Arid Core® Cable**

## Representative Image



## General Specifications

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

## Construction Materials

Fiber Type Solution	LazrSPEED® 300, 50 µm multimode fiber
Total Fiber Quantity	48
Armor Type	Corrugated steel
Fiber Type	LazrSPEED® 300, 50 µm multimode fiber
Fiber Type, quantity	48
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	183.0 kg/km   123.0 lb/kft
Diameter Over Jacket	12.30 mm   0.48 in
Filler, quantity	2
Subunit, quantity	4

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## Physical Specifications

Minimum Bend Radius, loaded	18.5 cm		7.3 in
Minimum Bend Radius, unloaded	12.3 cm		4.8 in
Tensile Load, long term, maximum	180 lbf		800 N
Tensile Load, short term, maximum	2700 N		607 lbf
Vertical Rise, maximum	447.0 m		1466.5 ft

## Flame Test Specifications

Flame Test Listing	NEC OFCR-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 +70 °C (-22 °F to +158 °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 60794-1-2, Section 7
Flex	35 cycles		
Flex Test Method	FOTP-24		IEC 60794-1-2, Section 10
Impact	2.21 ft lb		3.00 N-m
Impact Test Method	FOTP-25		IEC 60794-1-2, Section 8
Strain	See long and short term tensile loads		
Strain Test Method	FOTP-33		IEC 60794-1-2, Section 5
Twist	10 cycles		
Twist Test Method	FOTP-85		IEC 60794-1-2, Section 11
Water Penetration	24 h		
Water Penetration Test Method	FOTP-82		IEC 60794-1-2, Section 24

## Environmental Test Specifications

Cable Freeze	-2 °C		28 °F
Cable Freeze Test Method	FOTP-98		
Drip	70 °C		158 °F
Drip Test Method	FOTP-81		IEC 60794-1-2, Section 17
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)		
Heat Age Test Method	Not applicable		
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)		
Low High Bend Test Method	FOTP-28		IEC 60794-1-2, Section 28
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)		
Temperature Cycle Test Method	FOTP-3		IEC 60794-1-2, Section 22

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-104-696-2001		EN 187105   Telcordia GR -20-CORE Issue
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## Regulatory Compliance/Certifications

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**Agency**

RoHS 2002/95/EC  
ISO 9001:2008

**Classification**

Compliant  
Designed, manufactured and/or distributed under this quality management system



## Included Products

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