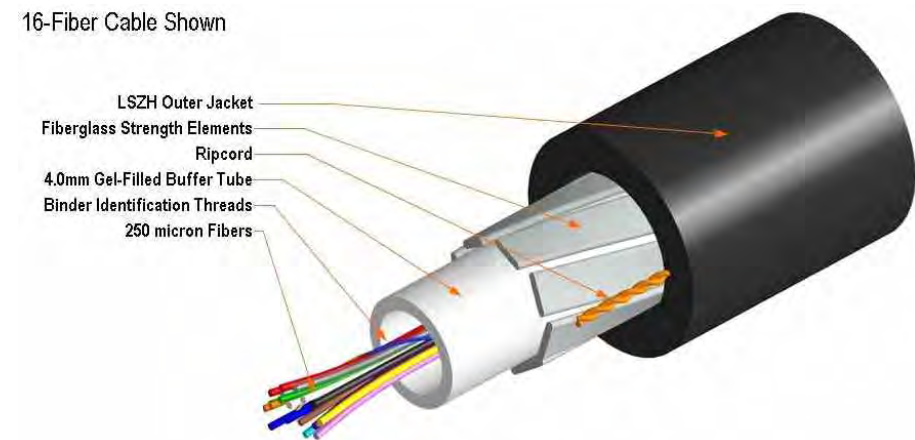




760083386 | Z-024-DN-5L-F12BK  
Indoor/Outdoor Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core Drop Cable

## Representative Image



## General Specifications

Cable Type	Riser rated low smoke
Construction Type	Non-armored
Subunit Type	Gel-filled

## Construction Materials

Fiber Type Solution	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Jacket Material	PE
Total Fiber Count	24
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	4.00 mm   0.16 in
Cable Weight	48.0 lb/kft   72.0 kg/km
Diameter Over Jacket	8.30 mm   0.33 in
Subunit, quantity	2

## Physical Specifications

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Minimum Bend Radius, loaded	12.5 cm		4.9 in
Minimum Bend Radius, unloaded	8.3 cm		3.3 in
Tensile Load, long term, maximum	400 N		90 lbf
Tensile Load, short term, maximum	1334 N		300 lbf
Vertical Rise, maximum	572.0 m		1876.6 ft

## Flame Test Specifications

Flame Test Method	IEC 60332-3		IEC 60754-2		IEC 61034-2		IEEE 383		UL 1666		UL 1685
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## Environmental Specifications

Environmental Space	Aerial, lashed		Buried		Low Smoke Zero Halogen (LSZH)		Riser
Installation Temperature	-20 °C to +60 °C (-4 °F to +140 °F)						
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)						
Storage Temperature	-20 °C to +75 °C (-4 °F to +167 °F)						

## Mechanical Test Specifications

Compression	10 N/mm		57 lb/in
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
Heat Age Test Method	IEC 60794-1 F9		
Low High Bend	-20 °C to +60 °C (-4 °F to +140 °F)		
Low High Bend Test Method	FOTP-37		IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)		
Temperature Cycle Test Method	FOTP-3		IEC 60794-1 F1

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-110-717
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## Regulatory Compliance/Certifications

Agency	Classification
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760083386 | Z-024-DN-5L-F12BK

RoHS 2011/65/EU      Compliant  
ISO 9001:2008      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 Bend-Insensitive Multimode Fiber

## \* Footnotes

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Operating Temperature    Specification applicable to non-terminated bulk fiber cable