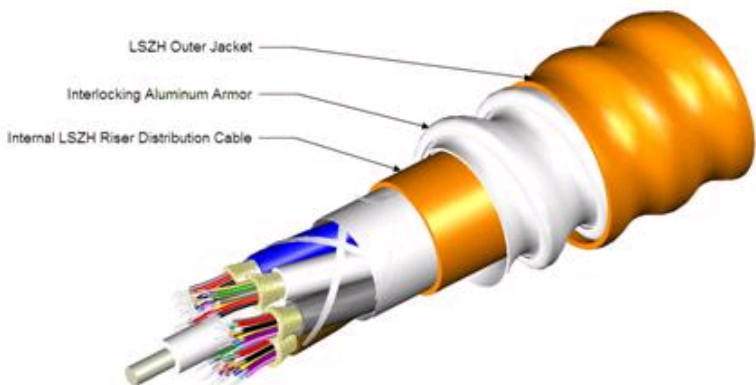


760147058 | N-048-DZ-5K-FMUAQ

Low Smoke Zero Halogen Riser Distribution Cable, interlocking aluminum armored with low smoke zero halogen riser jacket, 48 fiber multi-unit with 12 fiber subunits

Representative Image



General Specifications

Cable Type	Distribution
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	LazrSPEED® 550, 50 µm multimode fiber
Total Fiber Quantity	48
Armor Type	Interlocking aluminum
Fiber Type	LazrSPEED® 550, 50 µm multimode fiber
Fiber Type, quantity	48
Fibers Per Subunit, quantity	12
Jacket Color	Aqua

Dimensions

Buffer Tube/Subunit Diameter	6.20 mm 0.24 in
Cable Weight	298.0 lb/kft 443.0 kg/km
Diameter Over Armor	22.23 mm 0.88 in
Diameter Over Jacket	24.30 mm 0.96 in
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	48.5 cm		19.1 in
Minimum Bend Radius, unloaded	34.0 cm		13.4 in
Tensile Load, long term, maximum	400 N		90 lbf
Tensile Load, short term, maximum	1335 N		300 lbf
Vertical Rise, maximum	92.0 m		301.8 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	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 +70 °C (-40 °F to +158 °F)		

Mechanical Test Specifications

Compression	485 lb/in		85 N/mm
Compression Test Method	FOTP-41		IEC 60794-1-2, Section 7
Flex	25 cycles		
Flex Test Method	FOTP-104		IEC 60794-1-2, Section 10
Impact	25.80 ft lb		35.00 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

Environmental Test Specifications

Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)		
Heat Age Test Method	Not applicable		
Low High Bend	-40 °C to +70 °C (-40 °F to +158 °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-83-596-2001		Telcordia GR-409-CORE Issue 2
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



Included Products

CS-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Multimode Fiber