

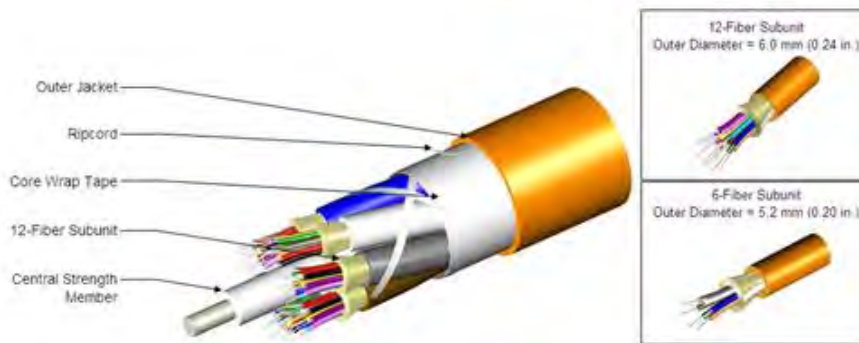


Enterprise Solutions

760009308 | N-048-DS-CM-FMUAQ/8W012/5L036

Low Smoke Zero Halogen Riser Distribution Cable, 48 fiber multi-unit with 12 fiber subunits

Representative Image



General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	Composite fiber LazrSPEED® 300, 50 µm multimode fiber (OM3) TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D OS2)
Total Fiber Count	48
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D OS2)
Fiber Type, quantity	12
Fibers per Subunit, quantity	12
Jacket Color	Aqua
Second Fiber Type	LazrSPEED® 300, 50 µm multimode fiber (OM3)
Second Fiber Type, quantity	36

Dimensions

Buffer Tube/Subunit Diameter	6.20 mm 0.24 in
Cable Weight	151.0 lb/kft 224.0 kg/km
Diameter Over Jacket	16.19 mm 0.64 in
Subunit, quantity	4

Physical Specifications

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Minimum Bend Radius, loaded	24.3 cm		9.6 in
Minimum Bend Radius, unloaded	16.2 cm		6.4 in
Tensile Load, long term, maximum	90 lbf		400 N
Tensile Load, short term, maximum	300 lbf		1335 N
Vertical Rise, maximum	183.0 m		600.4 ft

Flame Test Specifications

Flame Test Listing	NEC OFNR-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	10 N/mm		57 lb/in
Compression Test Method	FOTP-41		IEC 60794-1-2, Section 7
Flex	100 cycles		
Flex Test Method	FOTP-104		IEC 60794-1-2, Section 10
Impact	4.34 ft lb		5.88 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 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



Included Products

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

CS-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber