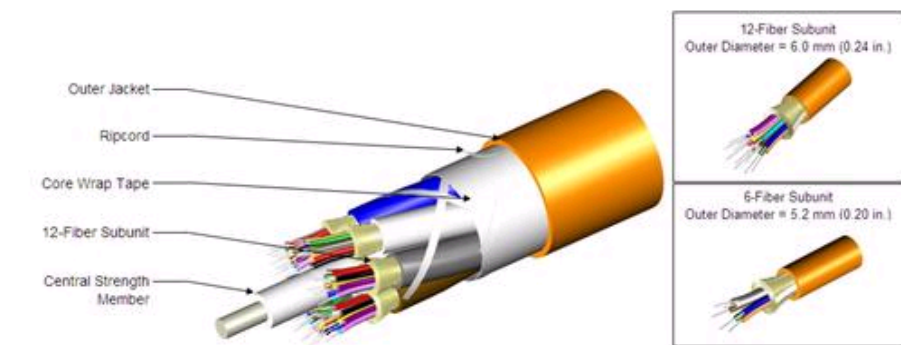


760007971 | R-024-DS-CM-

FMUAQ/8W012/5L012

Riser Distribution Cable, 24 fiber multi-unit with 6 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   TeraSPEED®, zero water peak singlemode fiber
Total Fiber Quantity	24
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	12
Fibers Per Subunit, quantity	6
Jacket Color	Aqua
Second Fiber Type	LazrSPEED® 300, 50 µm multimode fiber
Second Fiber Type, quantity	12

Dimensions

Buffer Tube/Subunit Diameter	5.10 mm   0.20 in
Cable Weight	107.0 lb/kft   159.0 kg/km
Diameter Over Jacket	14.10 mm   0.56 in
Subunit, quantity	4

Physical Specifications

760007971 | R-024-DS-CM-FMUAQ/8W012/5L012

Minimum Bend Radius, loaded	21.1 cm		8.3 in
Minimum Bend Radius, unloaded	14.1 cm		5.6 in
Tensile Load, long term, maximum	180 lbf		801 N
Tensile Load, short term, maximum	2670 N		600 lbf
Vertical Rise, maximum	500.0 m		1640.4 ft

## Flame Test Specifications

Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666

## Environmental Specifications

Environmental Space	Riser
Installation Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °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	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)
Low High Bend Test Method	FOTP-28   IEC 60794-1-2, Section 28
Temperature Cycle	-20 °C to +70 °C (-4 °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

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

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