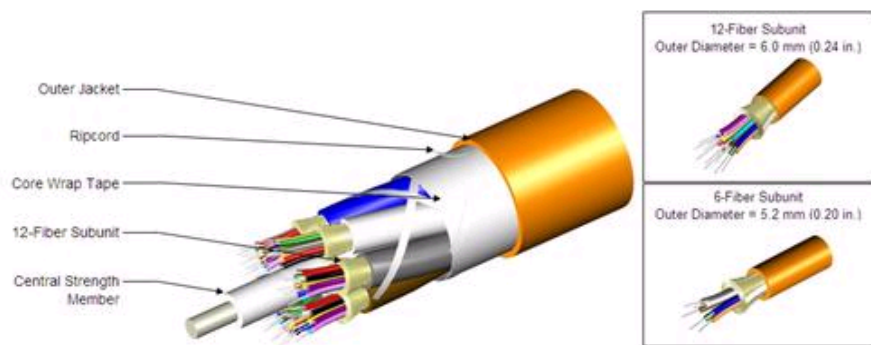


760026872 | R-144-DS-5K-FMUAQ  
Riser Distribution Cable, 144 fiber multi-unit with 12 fiber subunits

## Representative Image



## General Specifications

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

## Construction Materials

Fiber Type Solution	LazrSPEED® 550, 50 µm multimode fiber
Total Fiber Quantity	144
Fiber Type	LazrSPEED® 550, 50 µm multimode fiber
Fiber Type, quantity	144
Fibers Per Subunit, quantity	12
Jacket Color	Aqua

## Dimensions

Buffer Tube/Subunit Diameter	6.00 mm   0.24 in
Cable Weight	351.0 lb/kft   522.0 kg/km
Diameter Over Jacket	26.10 mm   1.03 in
Subunit, quantity	12

## Physical Specifications

Minimum Bend Radius, loaded	39.1 cm   15.4 in
Minimum Bend Radius, unloaded	26.1 cm   10.3 in
Tensile Load, long term, maximum	1335 N   300 lbf

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Tensile Load, short term, maximum 1000 lbf | 4450 N  
Vertical Rise, maximum 261.0 m | 856.3 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-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Multimode Fiber