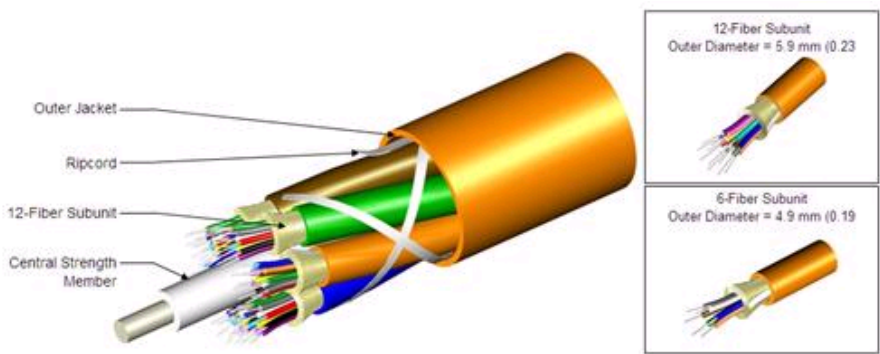


760024554 | P-048-DS-5K-FMUAQ  
Plenum Distribution Cable, 48 fiber multi-unit with 12 fiber subunits

## Representative Image



## General Specifications

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

## Construction Materials

Fiber Type Solution	LazrSPEED® 550, 50 µm multimode fiber
Total Fiber Quantity	48
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	5.90 mm   0.23 in
Cable Weight	138.0 lb/kft   205.0 kg/km
Diameter Over Jacket	15.10 mm   0.59 in
Subunit, quantity	4

## Physical Specifications

Minimum Bend Radius, loaded	22.7 cm   8.9 in
Minimum Bend Radius, unloaded	15.1 cm   5.9 in
Tensile Load, long term, maximum	1068 N   240 lbf

760024554 | P-048-DS-5K-FMUAQ

Tensile Load, short term, maximum 3560 N | 800 lbf  
Vertical Rise, maximum 500.0 m | 1640.4 ft

## Flame Test Specifications

Flame Test Listing	NEC OFNP (ETL) and c(ETL)
Flame Test Method	NFPA 262

## Environmental Specifications

Environmental Space	Plenum
Installation Temperature	0 °C to +70 °C (+32 °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
-------------------------------	---

## Regulatory Compliance/Certifications

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



760024554 | P-048-DS-5K-FMUAQ

## Included Products

---

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