## R-048-DZ-5L-FMU

Fiber indoor cable, LazrSPEED® Riser Distribution, interlocking aluminum armored, Multimode OM3, 48 fiber multi-unit with 12 fiber subunits, Feet cable marking

#### Product Classification

Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East

/Africa | North America

 Portfolio
 CommScope®

 Product Type
 Fiber indoor cable

**Product Series** R-DZ

General Specifications

Armor Type Interlocking aluminum

Cable TypeDistributionConstruction TypeArmoredSubunit TypeGel-freeJacket MarkingFeetSubunit, quantity4

Fibers per Subunit, quantity 12

Total Fiber Count 48

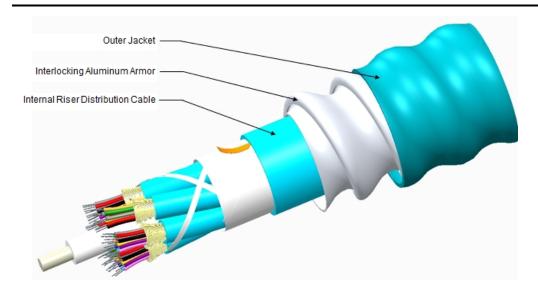
Dimensions

Buffer Tube/Subunit Diameter5.95 mm | 0.234 inDiameter Over Armor20.96 mm | 0.825 inDiameter Over Jacket23 mm | 0.906 in

Representative Image



# R-048-DZ-5L-FMU



### Mechanical Specifications

Minimum Bend Radius, loaded

Minimum Bend Radius, unloaded

Tensile Load, long term, maximum

Tensile Load, short term, maximum

Compression

**Compression Test Method** 

Flex

Flex Test Method

Impact

**Impact Test Method** 

**Strain** 

Strain Test Method

**Twist** 

**Twist Test Method** 

Vertical Rise, maximum

**Optical Specifications** 

Fiber Type

460 mm | 18.11 in

322 mm | 12.677 in

400 N | 89.924 lbf

1335 N | 300.12 lbf

85 N/mm | 485.363 lb/in

FOTP-41 | IEC 60794-1 E3

25 cycles

FOTP-104 | IEC 60794-1 E6

35 N-m | 309.776 in lb

FOTP-25 | IEC 60794-1 E4

See long and short term tensile loads

FOTP-33 | IEC 60794-1 E1

10 cycles

FOTP-85 | IEC 60794-1 E7

93 m | 305.118 ft

OM3, LazrSPEED® 300 | OM3, LazrSPEED® 300

### **Environmental Specifications**

COMMSC PE°

## R-048-DZ-5L-FMU

Installation temperature  $-20 \,^{\circ}\text{C to} + 70 \,^{\circ}\text{C } (-4 \,^{\circ}\text{F to} + 158 \,^{\circ}\text{F})$ Operating Temperature  $-20 \,^{\circ}\text{C to} + 70 \,^{\circ}\text{C } (-4 \,^{\circ}\text{F to} + 158 \,^{\circ}\text{F})$ 

**Storage Temperature**  $-40 \,^{\circ}\text{C to} + 70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to} + 158 \,^{\circ}\text{F})$ 

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

Environmental Space Riser

Flame Test Listing NEC OFCR (ETL) and c(ETL)

Flame Test Method UL 1666

**Environmental Test Specifications** 

**Heat Age** -20 °C to +85 °C (-4 °F to +185 °F)

**Heat Age Test Method** IEC 60794-1 F9

**Low High Bend**  $-20 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-4 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

**Low High Bend Test Method** FOTP-37 | IEC 60794-1 E11

**Temperature Cycle**  $-20 \,^{\circ}\text{C to} + 70 \,^{\circ}\text{C} \left(-4 \,^{\circ}\text{F to} + 158 \,^{\circ}\text{F}\right)$ 

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

Packaging and Weights

**Cable weight** 438 kg/km | 294.322 lb/kft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system



#### Included Products

CS-5L-TB – LazrSPEED® 300 OM3 Bend-Insensitive Multimode

Fiber

#### \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

