# R-002-DS-5L-FSU

Fiber indoor cable, LazrSPEED® Riser Distribution, 2-Fiber Single-Unit, Multimode OM3, Feet jacket 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-DS

#### General Specifications

 Cable Type
 Distribution

 Construction Type
 Non-armored

 Subunit Type
 Gel-free

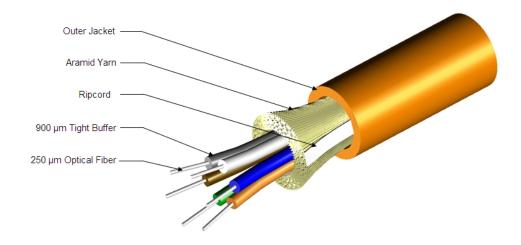
 Jacket Marking
 Feet

 Total Fiber Count
 2

**Dimensions** 

**Diameter Over Jacket** 3.91 mm | 0.154 in

### Representative Image



Mechanical Specifications

COMMSCOPE®

## R-002-DS-5L-FSU

Minimum Bend Radius, loaded 59 mm | 2.323 in

Minimum Bend Radius, unloaded 39 mm | 1.535 in

Minimum Bend Radius, unioaded 39 mm | 1.535 in

**Tensile Load, long term, maximum** 200 N | 44.962 lbf

**Tensile Load, short term, maximum** 667 N | 149.948 lbf

**Compression** 10 N/mm | 57.101 lb/in

**Compression Test Method** FOTP-41 | IEC 60794-1 E3

Flex 100 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 5.88 N-m | 52.042 in lb

Impact Test Method FOTP-25 | IEC 60794-1 E4

**Strain** See long and short term tensile loads

Strain Test Method FOTP-33 | IEC 60794-1 E1

Twist 10 cycles

Twist Test Method FOTP-85 | IEC 60794-1 E7

**Vertical Rise, maximum** 500 m | 1,640.42 ft

**Optical Specifications** 

Fiber Type OM3, LazrSPEED® 300 | OM3, LazrSPEED® 300

### **Environmental Specifications**

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

**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 OFNR (ETL) and c(ETL)

Flame Test Method UL 1666

### **Environmental Test Specifications**

**Heat Age**  $-20 \, ^{\circ}\text{C} \text{ to } +85 \, ^{\circ}\text{C} \, (-4 \, ^{\circ}\text{F to } +185 \, ^{\circ}\text{F})$ 

**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

**COMMSCOPE®** 

## R-002-DS-5L-FSU

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

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

Packaging and Weights

Cable weight 13 kg/km | 8.736 lb/kft

Regulatory Compliance/Certifications

Agency Classification

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

**ISO** 9001:2015

#### Included Products

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

Fiber

#### \* Footnotes

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

