## 760214056 | D-096-CA-RB-F12NS/5K/99A



Fiber OSP cable, Steel Armored, Arid-Core, Dry Central Tube Ribbon, Multimode OM4, bend insensitive, Feet jacket marking, Black jacket color

### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

America

 Portfolio
 CommScope®

 Product Type
 Fiber OSP cable

Product Series D-CA

General Specifications

Armor Type Corrugated steel

Cable Type Ribbon central tube

Construction TypeArmoredSubunit TypeGel-free

Fibers per Ribbon, quantity 12

Jacket Color Black

Jacket Marking Feet

Total Fiber Count 96

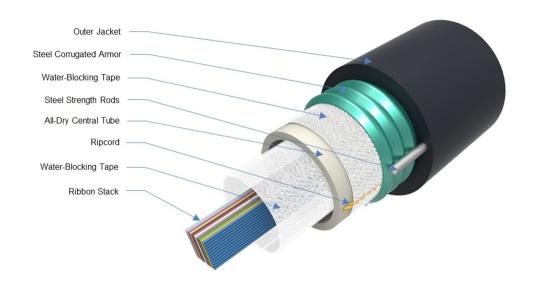
**Dimensions** 

Buffer Tube/Subunit Diameter7.9 mm | 0.311 inDiameter Over Jacket15.5 mm | 0.61 in

Representative Image



# 760214056 | D-096-CA-RB-F12NS/5K/99A



### Mechanical Specifications

Minimum Bend Radius, loaded 309.9 mm | 12.201 in

Minimum Bend Radius, unloaded 154.9 mm | 6.098 in

Tensile Load, long term, maximum 800 N | 179.847 lbf

Tensile Load, short term, maximum Compression 22 N/mm | 125.623 lb/in

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

2700 N | 606.984 lbf

Flex 25 cycles

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

**Impact** 4.4 N-m | 38.943 in lb

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

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

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

**Twist** 10 cycles

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

**Optical Specifications** 

**Fiber Type** OM4, bend insensitive | OM4, bend insensitive

### **Environmental Specifications**



# 760214056 | D-096-CA-RB-F12NS/5K/99A

Installation temperature  $-30 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (-22  $^{\circ}\text{F}$  to  $+140 \,^{\circ}\text{F}$ )

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

Storage Temperature -40 °C to +75 °C (-40 °F to +167 °F)

Cable Qualification Standards ANSI/ICEA S-87-640 | Telcordia GR-20

**Environmental Space**Aerial, lashed | Buried

Jacket UV Resistance UV stabilized

Water Penetration 24 h

Water Penetration Test Method FOTP-82 | IEC 60794-1 F5

**Environmental Test Specifications** 

**Heat Age** -40 °C to +85 °C (-40 °F to +185 °F)

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

**Low High Bend** -30 °C to +60 °C (-22 °F to +140 °F)

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

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

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

Packaging and Weights

**Cable weight** 213 kg/km | 143.129 lb/kft

## Regulatory Compliance/Certifications

Agency Classification

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

#### Included Products

CS-5X-RB – 50µm OM4 Bend-Insensitive Multimode

Fiber

#### \* Footnotes

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

