# 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 Type	Armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Black
Jacket Marking	Feet
Total Fiber Count	96
Dimensions	
Buffer Tube/Subunit Diameter	7.9 mm   0.311 in
Diameter Over Jacket	15.5 mm   0.61 in

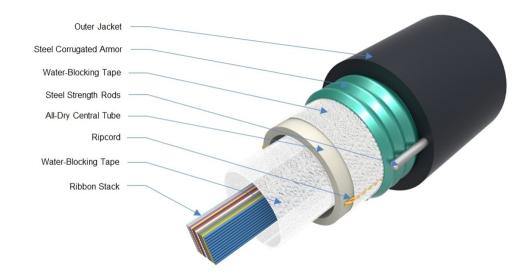
### Representative Image

Page 1 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 6, 2025



## 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	2700 N   606.984 lbf
Compression	22 N/mm   125.623 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
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
Strain Test Method	FOTP-33   IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85   IEC 60794-1 E7
Optical Specifications	
Fiber Type	OM4, bend insensitive   OM4, bend insensitive

## Environmental Specifications

Page 2 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 6, 2025

**COMMSCOPE**°

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

Operating Temperature-40 °C to +70 °C (-40 °F to +158 °F)Storage Temperature-40 °C to +75 °C (-40 °F to +167 °F)Cable Qualification StandardsANSI/ICEA S-87-640   Telcordia GR-20	Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Cable Qualification Standards ANSI/ICEA S-87-640   Telcordia GR-20	Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °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	Environmental Space	Aerial, lashed   Buried
Jacket UV Resistance UV stabilized	Jacket UV Resistance	UV stabilized
Water Penetration24 h	Water Penetration	24 h
Water Penetration Test MethodFOTP-82IEC 60794-1 F5	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 °C to +70 °C (-40 °F to +158 °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

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: May 6, 2025

**COMMSCOPE**°