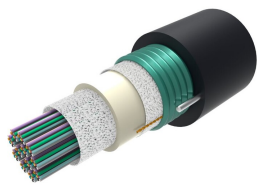


# 810010012/DB | D-144-CA-RR-F12NS/8W/99A



Fiber OSP cable, Armored, Arid-Core, Dry Central Tube Rollable Ribbon, 144 fiber, Singlemode G.652.D and G.657.A1, Gel-free, Feet jacket marking, Black jacket color

- \*Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

## Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	D-CN
Government Requirements	Build America Buy America (BABA) compliant*

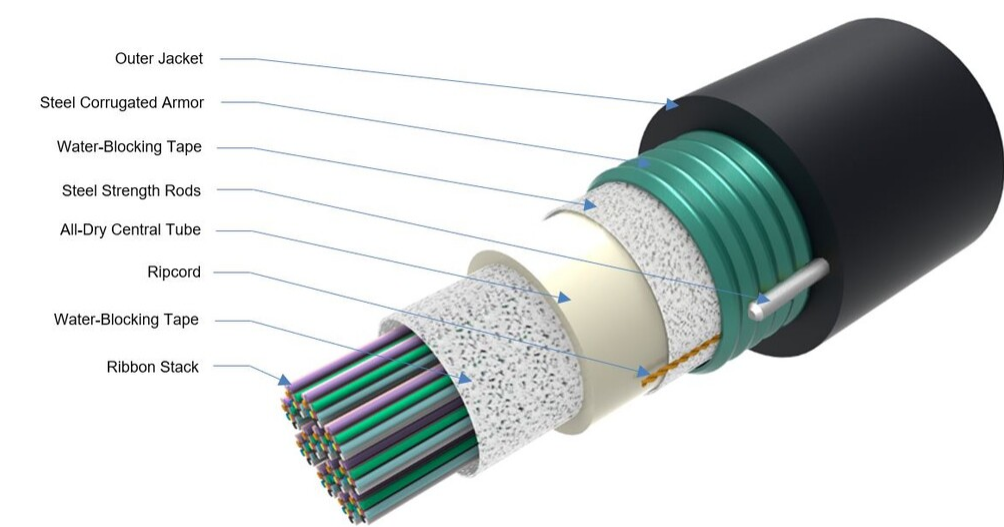
## General Specifications

Cable Type	Ribbon central tube
Construction Type	Armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Jacket Color	Black
Jacket Marking	Feet
Location of Manufacturing	Carrollton, Georgia
Total Fiber Count	144

## Dimensions

Buffer Tube/Subunit Diameter	6.1 mm   0.24 in
Diameter Over Jacket	12 mm   0.472 in

## Representative Image



## Mechanical Specifications

Minimum Bend Radius, loaded	180 mm   7.087 in
Minimum Bend Radius, unloaded	180 mm   7.087 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	G.652.D and G.657.A1   G.652.D and G.657.A1
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## Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
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# 810010012/DB | D-144-CA-RR-F12NS/8W/99A

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °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 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

Cable weight	159 kg/km   106.843 lb/kft
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## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

CS-8W-RB-OUTDOOR	TeraSPEED® Singlemode Fiber Rollable Ribbon
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## \* Footnotes

Operating Temperature	Specification applicable to non-terminated bulk fiber cable
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