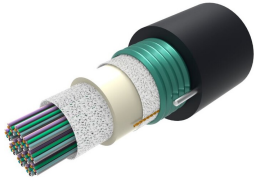


# 810010017/DB | D-864-CA-RR-F12NS/8W/99A



Fiber OSP cable, Armored, All-Dielectric, Arid-Core, Dry Central Tube  
Rollable Ribbon, 864 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

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

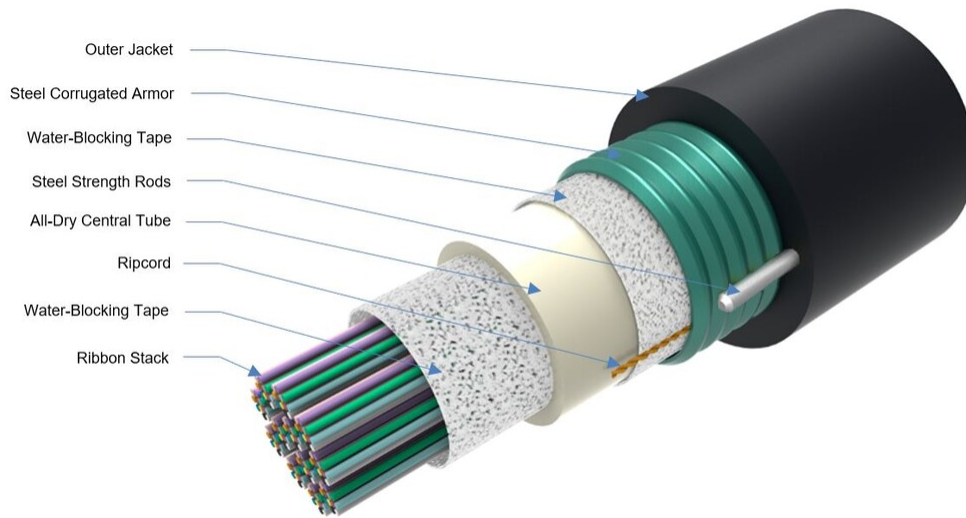
## General Specifications

<b>Cable Type</b>	Ribbon central tube
<b>Construction Type</b>	Armored
<b>Subunit Type</b>	Gel-free
<b>Fibers per Ribbon, quantity</b>	12
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Feet
<b>Total Fiber Count</b>	864

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	14.7 mm   0.579 in
<b>Diameter Over Jacket</b>	20.6 mm   0.811 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	309 mm   12.165 in
<b>Minimum Bend Radius, unloaded</b>	309 mm   12.165 in
<b>Tensile Load, long term, maximum</b>	800 N   179.847 lbf
<b>Tensile Load, short term, maximum</b>	2700 N   606.984 lbf
<b>Compression</b>	22 N/mm   125.623 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	4.4 N-m   38.943 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7

## Optical Specifications

<b>Fiber Type</b>	G.652.D and G.657.A1   G.652.D and G.657.A1
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## Environmental Specifications

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

## Environmental Test Specifications

<b>Heat Age</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	340 kg/km   228.469 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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

## \* Footnotes

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