#### D-012-CN-RB-F12NS/8W/99A 760213439



Fiber OSP Cable, Non-Armored, All-Dielectric, Arid-Core, Dry Central Tube Ribbon, 12 fibers, 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

Ribbon central tube Cable Type

Non-armored **Construction Type** 

Gel-free **Subunit Type** 

12 Fibers per Ribbon, quantity

Black **Jacket Color** Feet

**Jacket Marking** 

**Location of Manufacturing** Carrollton, Georgia

**Total Fiber Count** 12

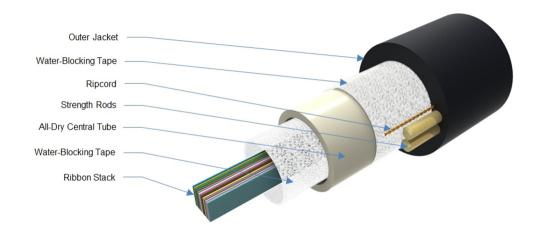
Dimensions

**Buffer Tube/Subunit Diameter** 6 mm | 0.236 in **Diameter Over Jacket** 12.6 mm | 0.496 in

Representative Image



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## Mechanical Specifications

Minimum Bend Radius, loaded 251.5 mm | 9.902 in

Minimum Bend Radius, unloaded 127 mm | 5 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

## **Environmental Specifications**

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  $+158 \,^{\circ}\text{F}$ )

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**Storage Temperature**  $-40 \,^{\circ}\text{C}$  to  $+75 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+167 \,^{\circ}\text{F}$ )

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**  $-40 \,^{\circ}\text{C} \text{ to } +85 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +185 \,^{\circ}\text{F})$ 

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** 130 kg/km | 87.356 lb/kft

## Regulatory Compliance/Certifications

CHINA-ROHS Below maximum concentration value

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

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

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

