# 760003939 | 0-008-CA-8W-F08NS



Fiber OSP cable, TeraSPEED® Single Jacket/Single Armor, Gel-Filled, 8 fibers, Outdoor Central Tube, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color

 Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

#### **Product Classification**

Regional Availability

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

America

 Portfolio
 CommScope®

 Product Type
 Fiber OSP cable

Product Series O-CA

### General Specifications

Armor Type Corrugated steel

Cable Type Central loose tube

Construction TypeArmoredSubunit TypeGel-filledJacket ColorBlackJacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity8

#### **Dimensions**

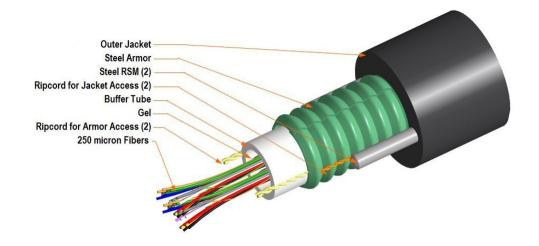
**Total Fiber Count** 

Buffer Tube/Subunit Diameter4 mm | 0.157 inDiameter Over Jacket11 mm | 0.433 in

### Representative Image



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### Material Specifications

**Compression Test Method** 

**Jacket Material** ΡF

### Mechanical Specifications

Minimum Bend Radius, loaded 165 mm | 6.496 in Minimum Bend Radius, unloaded 110 mm | 4.331 in Tensile Load, long term, maximum 800 N | 179.847 lbf Tensile Load, short term, maximum 2700 N | 606.984 lbf Compression 44 N/mm | 251.246 lb/in FOTP-41 | IEC 60794-1 E3

Flex 25 cycles

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

**Impact** 2.94 N-m | 26.021 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

Vertical Rise, maximum 607 m | 1,991.47 ft

**Optical Specifications** 

**Fiber Type** G.652.D and G.657.A1, TeraSPEED® | OS2



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### **Environmental Specifications**

Installation temperature

-30 °C to +70 °C (-22 °F to +158 °F)

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 | EN 187105

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** 

**Cable Freeze** -2 °C | 28.4 °F

Cable Freeze Test Method FOTP-98 | IEC 60794-1 F15

**Drip** 70 °C | 158 °F

**Drip Test Method** FOTP-81 | IEC 60794-1 E14

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

**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** 135 kg/km | 90.716 lb/kft

## Regulatory Compliance/Certifications

Classification

# 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



Agency



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### Included Products

CS-8W-LT

 TeraSPEED® G652D/G657A1 Singlemode Fiber

### \* Footnotes

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

