

760003947 | O-012-CA-8W-F12NS

**TeraSPEED® Single Jacket/Single Armor, Gel-Filled, Outdoor Central Tube Cable**

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

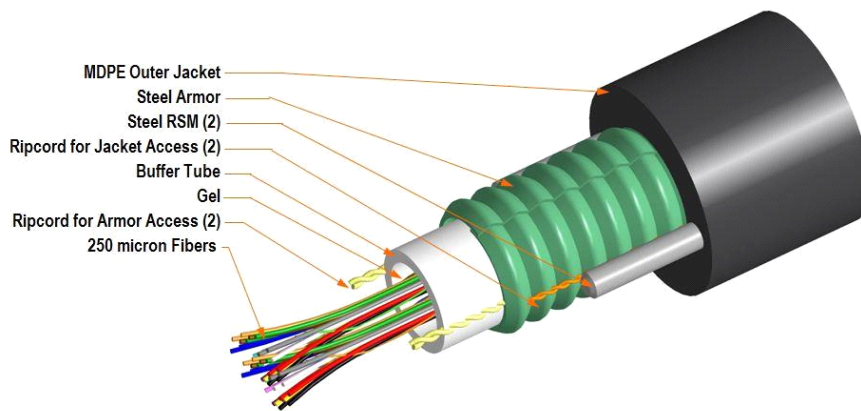
## Product Classification

Portfolio	CommScope®
Product Type	Fiber OSP cable
Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America

## Standards And Qualifications

Cable Qualification Standards	ANSI/ICEA S-87-640   EN 187105   Telcordia GR-20
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## Representative Image



## General Specifications

Cable Type	Central loose tube
Construction Type	Armored
Subunit Type	Gel-filled

## Construction Materials

Fiber Type Solution	G.652.D and G.657.A1 , TeraSPEED®   OS2
Jacket Material	PE
Total Fiber Count	12
Armor Type	Corrugated steel
Fiber Type	G.652.D and G.657.A1 , TeraSPEED®   OS2
Fiber Type, quantity	12
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

## Dimensions

Buffer Tube/Subunit Diameter	4.00 mm   0.16 in
Cable Weight	135.0 kg/km   91.0 lb/kft
Diameter Over Jacket	11.00 mm   0.43 in
Subunit, quantity	1

## Physical Specifications

Minimum Bend Radius, loaded	16.5 cm   6.5 in
Minimum Bend Radius, unloaded	11.0 cm   4.3 in
Tensile Load, long term, maximum	180 lbf   800 N
Tensile Load, short term, maximum	2700 N   607 lbf
Vertical Rise, maximum	607.0 m   1991.5 ft

## Environmental Specifications

Environmental Space	Aerial, lashed   Buried
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)

## Mechanical Test Specifications

Compression	250 lb/in   44 N/mm
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	2.17 ft lb   2.94 N-m
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
Water Penetration	24 h
Water Penetration Test Method	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

Cable Freeze	-2 °C   28 °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 °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

## Regulatory Compliance/Certifications

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**Agency**

RoHS 2011/65/EU

ISO 9001:2008

**Classification**

Compliant

Designed, manufactured and/or distributed under this quality management system



## Included Products

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CS-8W-LT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

### \* Footnotes

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Operating Temperature Specification applicable to non-terminated bulk fiber cable