

Fiber OSP cable, TeraSPEED® Single Jacket/Single Armor, Gel-Filled, 4 fiber, 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

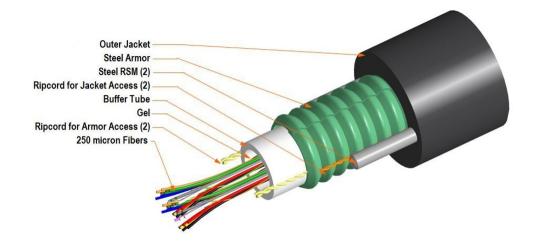
Construction Type Armored
Subunit Type Gel-filled
Jacket Color Black
Jacket Marking Feet
Subunit, quantity 1
Fibers per Subunit, quantity 4
Total Fiber Count 4

Dimensions

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

Representative Image





Material Specifications

Compression Test Method

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, loaded165 mm | 6.496 inMinimum Bend Radius, unloaded110 mm | 4.331 inTensile Load, long term, maximum800 N | 179.847 lbfTensile Load, short term, maximum2700 N | 606.984 lbfCompression44 N/mm | 251.246 lb/in

Flex 25 cycles

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

FOTP-41 | IEC 60794-1 E3

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



Environmental Specifications

Installation temperature -30 °C to +70 °C (-22 °F to +158 °F) -40 °C to +70 °C (-40 °F to +158 °F) **Operating Temperature 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

UV stabilized **Jacket UV Resistance**

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 °C to +85 °C (-40 °F to +185 °F)

IEC 60794-1 F9 **Heat Age Test Method**

Low High Bend -30 °C to +60 °C (-22 °F to +140 °F)

FOTP-37 | IEC 60794-1 E11 Low High Bend Test Method

-40 °C to +70 °C (-40 °F to +158 °F) **Temperature Cycle**

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



Included Products

CS-8W-LT

 TeraSPEED® G652D/G657A1 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

