

Fiber OSP cable, PE, Gel-filled Central Tube, 12 fiber, Singlemode G657.A1 /G652.D, Meters jacket marking, Black jacket color

## Product Classification

Regional Availability	Asia   Australia/New Zealand
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-CN

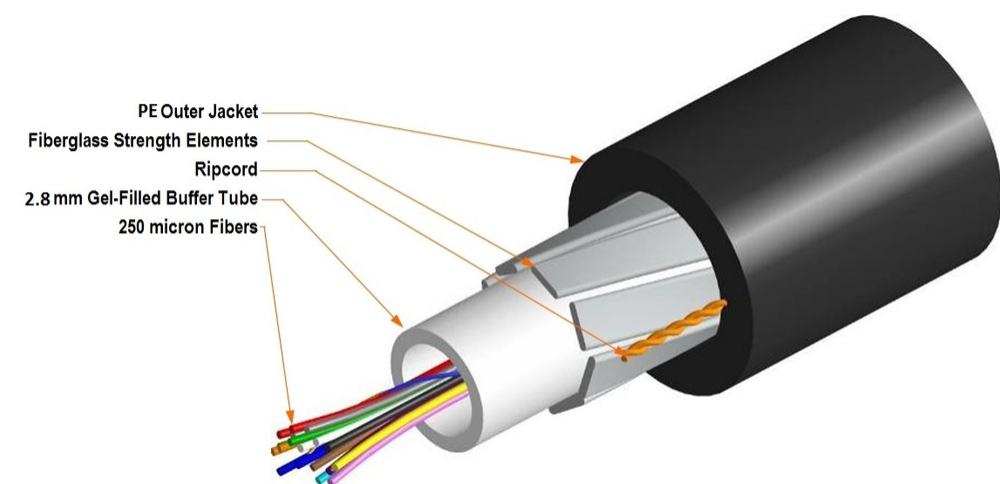
## General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Fibers per Subunit, quantity	12
Total Fiber Count	12

## Dimensions

Buffer Tube/Subunit Diameter	2.8 mm   0.11 in
Diameter Over Jacket	6 mm   0.236 in

## Representative Image



Material Specifications

Jacket MaterialPE

Mechanical Specifications

Minimum Bend Radius, loaded120 mm | 4.724 in

Minimum Bend Radius, unloaded60 mm | 2.362 in

Tensile Load, long term, maximum300 N | 67.443 lbf

Tensile Load, short term, maximum1000 N | 224.809 lbf

Compression15 N/mm | 85.652 lb/in

Compression Test MethodIEC 60794-1-2 E3

Flex25 cycles

StrainSee long and short term tensile loads

Strain Test MethodIEC 60794-1-2-E1

Optical Specifications

Fiber TypeG.652.D and G.657.A1

Optical Specifications, Wavelength Specific

Attenuation, maximum0.22 dB/km @ 1,550 nm | 0.38 dB/km @ 1,310 nm

Environmental Specifications

Installation temperature-10 °C to +60 °C (+14 °F to +140 °F)

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Environmental Space	Buried   Ducted   Outdoor
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5C

Environmental Test Specifications

Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-2 F1

Packaging and Weights

Cable weight	35 kg/km   23.519 lb/kft
--------------	--------------------------

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



Included Products

CS-8F-LT	– Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber
CS-8W-MP	– TeraSPEED® OS2 Singlemode Fiber

\* Footnotes

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