

Fiber OSP cable, Single Jacket All-Dielectric, 8 fiber Gel-Filled, Outdoor Central Tube, Singlemode G.652.D, Meters jacket marking, Black jacket color

Product Classification

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

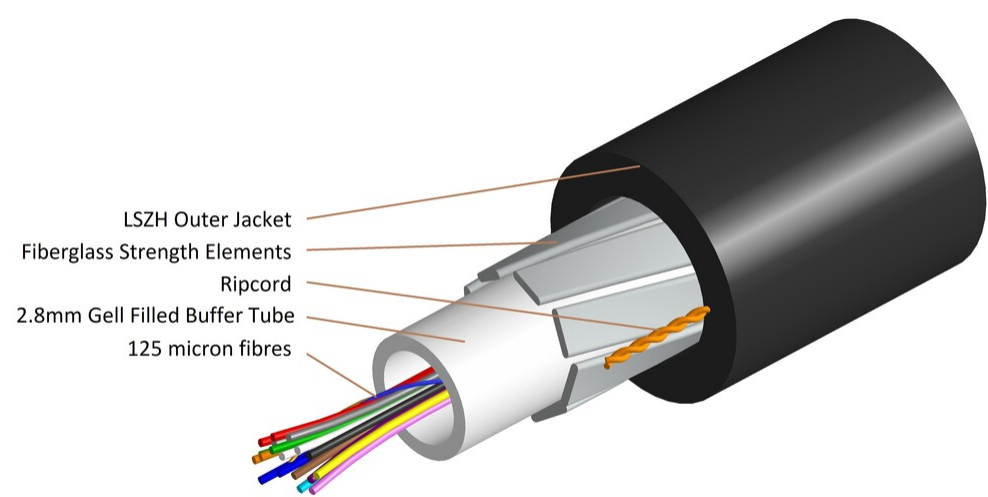
General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMScope GB F.O. CABLE 810009999/DB 8 x 9 /125 G857A1 HDPE (serial number) (metre mark)
Subunit, quantity	1
Fibers per Subunit, quantity	8
Total Fiber Count	8

Dimensions

Buffer Tube/Subunit Diameter	2.8 mm   0.11 in
Diameter Over Jacket	5.3 mm   0.209 in

Representative Image



## Material Specifications

Jacket Material

High density polyethylene (HDPE)

## Mechanical Specifications

Minimum Bend Radius, loaded	80 mm   3.15 in
Minimum Bend Radius, unloaded	50 mm   1.969 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1200 N   269.771 lbf
Compression	15 N/mm   85.652 lb/in
Compression Test Method	IEC 60794-1-2 E3
Flex	25 cycles
Flex Test Method	IEC 60794-1 E6
Impact	5 N-m   44.254 in lb
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1-2-E1
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

## Optical Specifications

Fiber Type	G.652.D and G.657.A1
Environmental Specifications	
Installation temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-30 °C to +70 °C (-22 °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

Environmental Test Specifications	
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	IEC 60794-1 F1

Packaging and Weights	
Cable weight	27 kg/km   18.143 lb/kft

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



Included Products	
CS-8W-250-EMEA	LightScope® ZWP Singlemode Fiber
8W-250um	

## \* Footnotes

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