

Fiber OSP cable, Single Jacket All-Dielectric, 8 fiber Gel-Filled, Outdoor Central Tube, Singlemode G.657.Al, Meters jacket marking, Black jacket color

Product Classification

Regional Availability

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

Portfolio CommScope®
Product Type Fiber OSP cable

Product Series O-CN

General Specifications

Cable TypeCentral loose tube

Construction TypeNon-armoredSubunit TypeGel-filled

Jacket ColorBlackJacket MarkingMeters

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

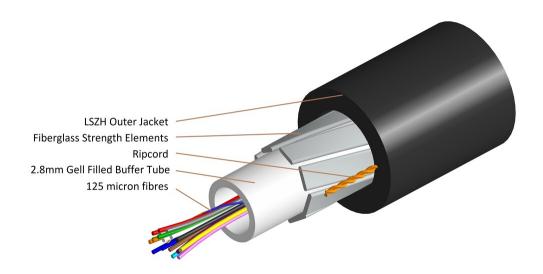
Dimensions

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 15 N/mm | 85.652 lb/in

Compression

IEC 60794-1-2 E3 **Compression Test Method**

Flex 25 cycles

Flex Test Method IEC 60794-1 E6

Impact 5 N-m | 44.254 in lb

IEC 60794-1 E4 Impact Test Method

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

COMMSCOPE®

Fiber Type 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 StandardsANSI/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 $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$

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 www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



Included Products

CS-8F-TB – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode

Fiber

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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable