810009829/DB | 0-002-CN-8F-M02BK/28G/HD



Fiber OSP cable, Single Jacket All-Dielectric, 2 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 | North America

Portfolio CommScope® **Product Type** Fiber OSP cable

Product Series 0-CN

General Specifications

Cable Type Central loose tube

Construction Type Non-armored **Subunit Type** Gel-filled **Jacket Color** Black

Jacket Marking Jacket Marking Method Inkjet

COMMSCOPE GB F.O. CABLE 810009829/DB OSP GLT 2X9/125 G657A1 HDPE **Jacket Marking Text**

Meters

[SERIAL NUMBER] [METRE MARK]

Subunit, quantity 1 Fibers per Subunit, quantity 2 **Total Fiber Count** 2

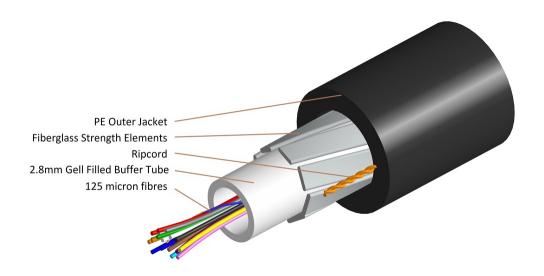
Dimensions

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

Representative Image



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Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

Minimum Bend Radius, loaded120 mm | 4.724 inMinimum Bend Radius, unloaded100 mm | 3.937 inTensile Load, long term, maximum800 N | 179.847 lbfTensile Load, short term, maximum1200 N | 269.771 lbfCompression15 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

COMMSCOPE®

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Fiber Type G.652.D

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 $-40 \,^{\circ}\text{C} \text{ to } +85 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +185 \,^{\circ}\text{F})$

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

Included Products

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

Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

