

Fiber OSP cable, LightScope ZWP® Single Jacket/Single Armor, Gel-Filled, 8 fibers, Central Tube Cable, 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

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Portfolio CommScope®

Product Type Fiber OSP cable

Product Series O-CA

General Specifications

Armor Type Corrugated steel

Cable Type Central loose tube

Construction TypeArmoredSubunit TypeGel-filledJacket ColorBlackJacket MarkingFeetSubunit, quantity1Fibers per Subunit, quantity8

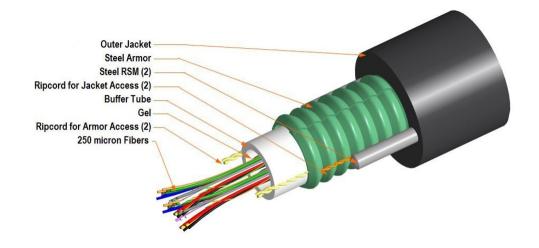
Dimensions

Total Fiber Count

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

Representative Image





Material Specifications

Compression Test Method

Jacket Material ΡF

Mechanical Specifications

Minimum Bend Radius, loaded 165 mm | 6.496 in Minimum Bend Radius, unloaded 110 mm | 4.331 in Tensile Load, long term, maximum 800 N | 179.847 lbf Tensile Load, short term, maximum 2700 N | 606.984 lbf Compression 44 N/mm | 251.246 lb/in FOTP-41 | IEC 60794-1 E3

Flex 25 cycles

Flex Test Method 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

Strain Test Method FOTP-33 | IEC 60794-1 E1

Twist 10 cycles

Twist Test Method FOTP-85 | IEC 60794-1 E7

Vertical Rise, maximum 608 m | 1,994.751 ft

Optical Specifications

Fiber Type G.652.D and G.657.A1 | G.652.D and G.657.A1



Environmental Specifications

Installation temperature

-30 °C to +70 °C (-22 °F to +158 °F)

Operating Temperature

-40 °C to +70 °C (-40 °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

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 $-40 \,^{\circ}\text{C}$ 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 $-30 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-22 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$

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 FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight 134 kg/km | 90.044 lb/kft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

Included Products

DB-8W-LT – LightScope ZWP® Singlemode

* Footnotes



Operating Temperature Specification applicable to non-terminated bulk fiber cable