

Fiber outdoor drop cable, LightScope® ZWP Self-Supporting All-Dielectric, Singlemode G.652.D and G.657.A1, 8 fiber Arid Core construction, Gel-filled, central loose tube, Feet jacket marking, Black jacket color

- \*Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

## Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber drop cable
Product Series	O-DF
Government Requirements	Build America Buy America (BABA) compliant*

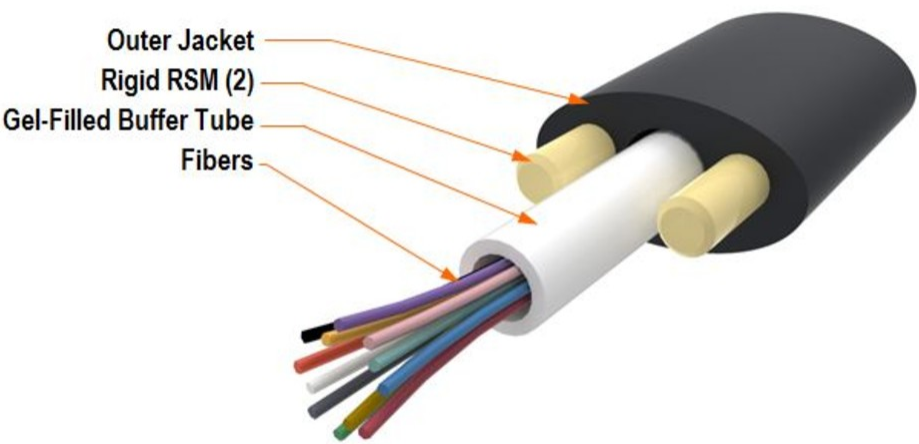
## General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Feet
Location of Manufacturing	Catawba, North Carolina
Subunit, quantity	1
Fibers per Subunit, quantity	8
Total Fiber Count	8

## Dimensions

Height Over Jacket	4.5 mm   0.177 in
Buffer Tube/Subunit Diameter	3 mm   0.118 in
Diameter Over Jacket	7.9 mm   0.311 in

Representative Image



Material Specifications

Jacket Material	PE
-----------------	----

Mechanical Specifications

Minimum Bend Radius, loaded	90 mm   3.543 in
Minimum Bend Radius, unloaded	81 mm   3.189 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1334 N   299.895 lbf
Compression	10 N/mm   57.101 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	35 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	1047 m   3,435.039 ft

## Optical Specifications

Fiber TypeG.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 StandardsANSI/ICEA S-110-717 | Telcordia GR-20

Environmental SpaceAerial, self-support | Buried

Jacket UV ResistanceUV stabilized

Water Penetration24 h

Water Penetration Test MethodFOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

Cable Freeze-2 °C | 28.4 °F

Cable Freeze Test MethodFOTP-98 | IEC 60794-1 F15

Drip70 °C | 158 °F

Drip Test MethodFOTP-81 | IEC 60794-1 E14

Heat Age-40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test MethodIEC 60794-1 F9

Low High Bend-30 °C to +60 °C (-22 °F to +140 °F)

Low High Bend Test MethodFOTP-37 | IEC 60794-1 E11

Temperature Cycle-40 °C to +70 °C (-40 °F to +158 °F)

Temperature Cycle Test MethodFOTP-3 | IEC 60794-1 F1

## Packaging and Weights

Cable weight39 kg/km | 26.207 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
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

DB-8W-LT – LightScope® ZWP Singlemode  
Fiber

## \* Footnotes

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