

Fiber drop cable, LightScope® ZWP Single Jacket Single Armor Outdoor Drop Cable, 8 fiber Arid Core construction, central loose tube, Gel-filled, 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 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-DA  |
| Government Requirements | Build America Buy America (BABA) compliant*                         |

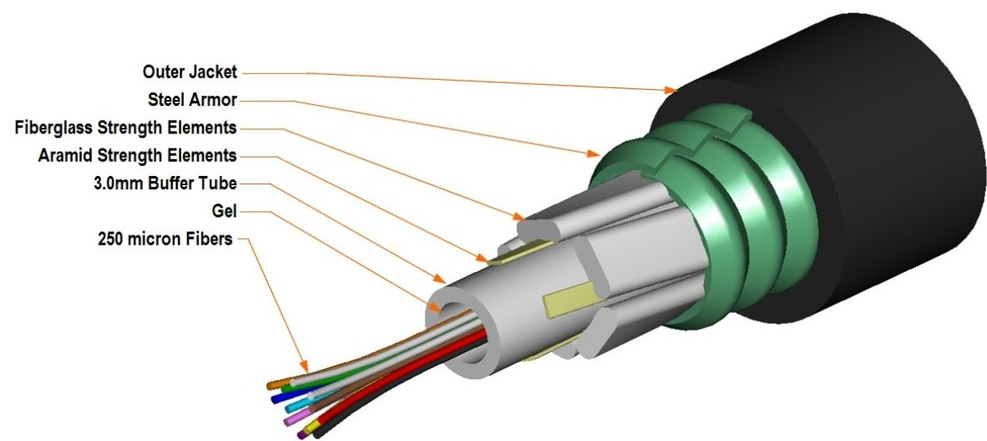
## General Specifications

|                              |                           |
|------------------------------|---------------------------|
| Armor Type                   | Corrugated steel          |
| Cable Type                   | Central loose tube        |
| Construction Type            | Armored                   |
| Subunit Type                 | Gel-filled                |
| Jacket Color                 | Black                     |
| Jacket Marking               | Feet                      |
| Location of Manufacturing    | Claremont, North Carolina |
| Subunit, quantity            | 1                         |
| Fibers per Subunit, quantity | 8                         |
| Total Fiber Count            | 8                         |

## Dimensions

|                              |                 |
|------------------------------|-----------------|
| Buffer Tube/Subunit Diameter | 3 mm   0.118 in |
| Diameter Over Jacket         | 8 mm   0.315 in |

Representative Image



Material Specifications

Jacket Material

PE

Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 120 mm   4.724 in                     |
| Minimum Bend Radius, unloaded     | 80 mm   3.15 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            | 595 m   1,952.1 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-110-717                  |
| 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 °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 | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|              |                          |
|--------------|--------------------------|
| Cable weight | 69 kg/km   46.366 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="https://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