

Fiber drop cable, LightScope® ZWP Single Jacket Single Armor Outdoor Drop Cable, 6 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* |

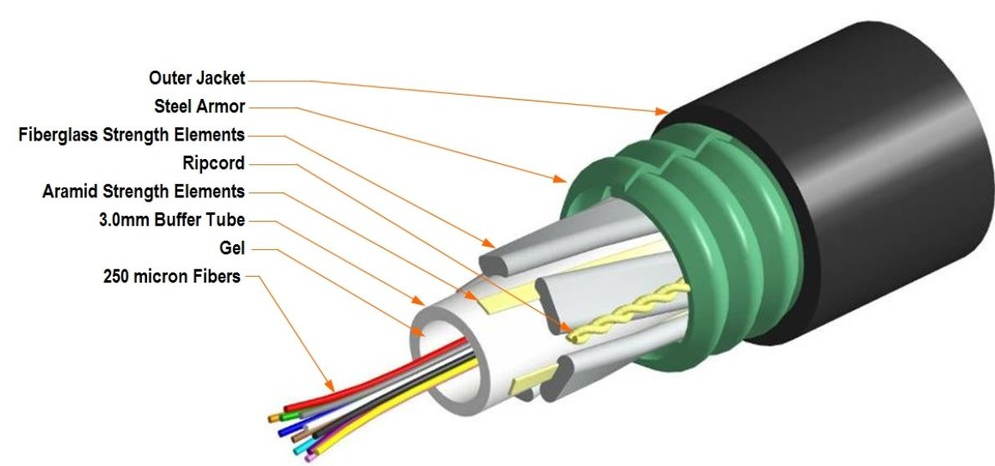
General Specifications

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|------------------------------|-------------------------|
| 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 | Catawba, North Carolina |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 6 |
| Total Fiber Count | 6 |

Dimensions

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

Representative Image



Material Specifications

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|-----------------------------------|--------------------------|
| 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 | 589 m 1,932.415 ft |

Optical Specifications

8107920/DB | O-006-DA-8W-F06NS/BP

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 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

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|--------------------------------------|--------------------------------------|
| 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

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|---------------------|--------------------------|
| Cable weight | 69 kg/km 46.366 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 Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable