

LightScope ZWP® Single Jacket Single Armor Outdoor Drop Cable, 1–12 fiber Arid Core construction, central loose tube

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

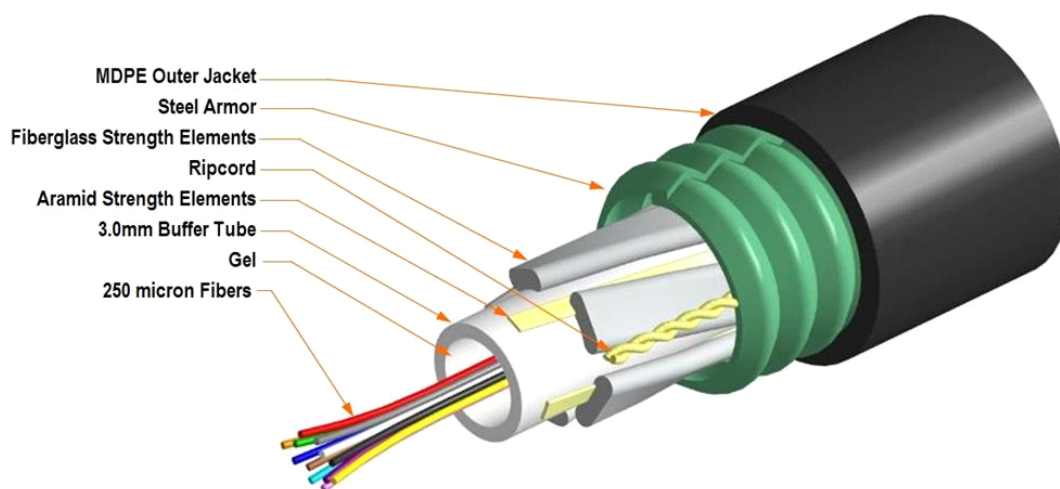
Product Classification

| | |
|------------------------------|---|
| Portfolio | CommScope® |
| Product Type | Fiber drop cable |
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |

Standards And Qualifications

| | |
|--------------------------------------|---------------------|
| Cable Qualification Standards | ANSI/ICEA S-110-717 |
|--------------------------------------|---------------------|

Representative Image



General Specifications

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|--------------------------|--------------------|
| Cable Type | Central loose tube |
| Construction Type | Armored |
| Subunit Type | Gel-filled |

Construction Materials

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|----------------------------|----------------------|
| Fiber Type Solution | G.652.D and G.657.A1 |
| Jacket Material | PE |
| Total Fiber Count | 2 |

| | |
|-------------------------------------|----------------------|
| Armor Type | Corrugated steel |
| Fiber Type | G.652.D and G.657.A1 |
| Fiber Type, quantity | 2 |
| Fibers per Subunit, quantity | 2 |
| Jacket Color | Black |
| Jacket UV Resistance | UV stabilized |

Dimensions

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|-------------------------------------|--------------------------|
| Buffer Tube/Subunit Diameter | 3.00 mm 0.12 in |
| Cable Weight | 47.0 lb/kft 69.0 kg/km |
| Diameter Over Jacket | 8.00 mm 0.31 in |
| Subunit, quantity | 1 |

Physical Specifications

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|--|---------------------|
| Minimum Bend Radius, loaded | 12.0 cm 4.7 in |
| Minimum Bend Radius, unloaded | 8.0 cm 3.1 in |
| Tensile Load, long term, maximum | 400 N 90 lbf |
| Tensile Load, short term, maximum | 1334 N 300 lbf |
| Vertical Rise, maximum | 1931.0 ft 589.0 m |

Environmental Specifications

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|---------------------------------|--------------------------------------|
| Environmental Space | Aerial, lashed |
| 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) |

Mechanical Test Specifications

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|--------------------------------------|---------------------------------------|
| Compression | 10 N/mm 57 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 35 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 2.17 ft lb 2.94 N-m |
| 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 |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

| | |
|--------------------------------------|--------------------------------------|
| Cable Freeze | -2 °C 28 °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 |

Regulatory Compliance/Certifications

| Agency | Classification |
|-----------------|--|
| RoHS 2011/65/EU | Compliant |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



Included Products

DB-8W-LT (Product Component—not orderable) — LightScope ZWP® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable