



Fiber OSP cable, LightScope ZWP® Blown Micro Single Jacket, 96 fiber, All-Dielectric Stranded Loose Tube Arid-Core® Construction, Gel-filled, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

| | |
|------------------------------|-----------------|
| Regional Availability | EMEA |
| Portfolio | CommScope® |
| Product Type | Fiber OSP cable |
| Product Series | B-LN |

General Specifications

| | |
|-------------------------------------|---------------------|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Subunit, quantity | 8 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 96 |

Dimensions

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|-------------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 1.25 mm 0.049 in |
| Diameter Over Jacket | 5.4 mm 0.213 in |

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 180 mm 7.087 in |
| Minimum Bend Radius, unloaded | 105 mm 4.134 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1000 N 224.809 lbf |
| Compression | 5 N/mm 28.551 lb/in |
| Compression Test Method | IEC 60794-1-21 E3 |
| Flex | 25 cycles |
| Flex Test Method | IEC 60794-1 E6 |
| Impact | 1 N-m 8.851 in lb |
| Impact Test Method | IEC 60794-1-21 E4 |
| Strain | See long and short term tensile loads |
| Strain Test Method | IEC 60794-1-21 E1 |
| Twist | 10 cycles |
| Twist Test Method | IEC 60794-1-21 E7 |

Optical Specifications

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

Environmental Specifications

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|--------------------------------------|--------------------------------------|
| Installation temperature | -15 °C to +40 °C (+5 °F to +104 °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 | IEC 60794-5-10 |
| Environmental Space | Air-blown, microduct |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | IEC 60794-1 F4 |

Environmental Test Specifications

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|--------------------------------------|--------------------------------------|
| Drip | 70 °C 158 °F |
| Drip Test Method | IEC 60794-1-21 E14 |
| Heat Age | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1-22 F9 |
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1-22 F1 |

Packaging and Weights

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|---------------------|--------------------------|
| Cable weight | 27 kg/km 18.143 lb/kft |
|---------------------|--------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|---|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

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

* Footnotes

810010386/DB | B-096-LN-8W-M12NS/13G

Operating Temperature Specification applicable to non-terminated bulk fiber cable