



Fiber OSP cable, LightScope® ZWP Blown Micro Single Jacket, 24 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 |

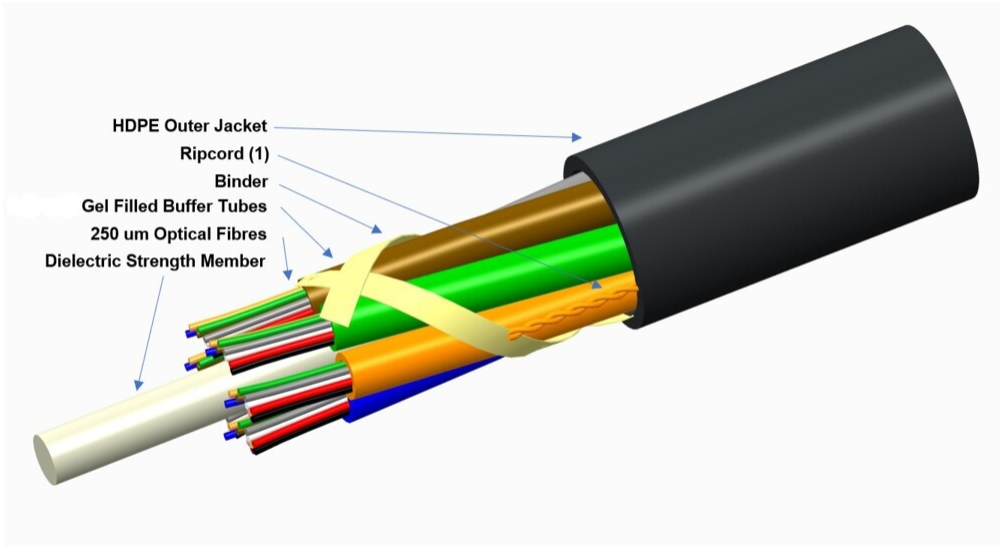
General Specifications

| | |
|------------------------------|---------------------|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 4 |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Subunit, quantity | 2 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 24 |

Dimensions

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|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 1.25 mm 0.049 in |
| Diameter Over Jacket | 4.6 mm 0.181 in |

Representative Image



Material Specifications

Jacket Material

High density polyethylene (HDPE)

Mechanical Specifications

| | |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 95 mm 3.74 in |
| Minimum Bend Radius, unloaded | 60 mm 2.362 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

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

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

| | |
|--------------|--------------------------|
| Cable weight | 19 kg/km 12.767 lb/kft |
|--------------|--------------------------|

Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber
8W-250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable