

Fiber OSP cable, LightScope ZWP® Blown Single Jacket, 72 fiber, All-Dielectric Stranded Microsheath Tube Construction, Gel-free, Singlemode G.657.A1, Meters jacket marking, Black jacket color

Product Classification

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

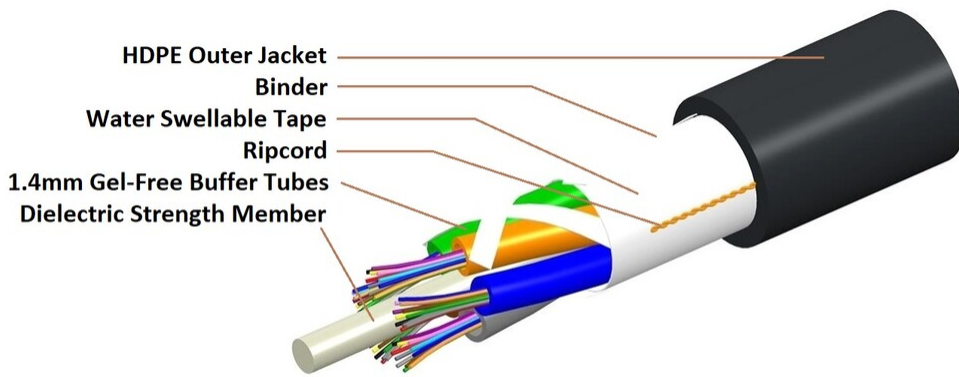
General Specifications

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|-------------------------------------|--|
| Cable Type | Microcable Stranded microsheath tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB F.O. CABLE 810009902/DB 72 X 9/125 G657A1 HDPE (serial number) (meter mark) |
| Subunit, quantity | 6 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 72 |

Dimensions

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|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 1.4 mm 0.055 in |
| Diameter Over Jacket | 5.9 mm 0.232 in |

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

| | |
|---|---------------------------------------|
| Minimum Bend Radius, loaded | 120 mm 4.724 in |
| Minimum Bend Radius, storage coils | 75 mm 2.953 in |
| Minimum Bend Radius, unloaded | 75 mm 2.953 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 |
| 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 | 5 cycles |
| Twist Test Method | IEC 60794-1-21 E7 |

Optical Specifications

Fiber Type G.657.A1

Environmental Specifications

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|--------------------------------------|--------------------------------------|
| Installation temperature | -10 °C to +50 °C (+14 °F to +122 °F) |
| Operating Temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | IEC 60794-1-2 |
| 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

| | |
|--------------------------------------|--------------------------------------|
| Low High Bend | -15 °C to +23 °C (+5 °F to +73 °F) |
| Low High Bend Test Method | IEC 60794-1-21 E11 |
| Temperature Cycle | -30 °C to +60 °C (-22 °F to +140 °F) |
| Temperature Cycle Test Method | IEC 60794-1-22 F1 |

Packaging and Weights

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|---------------------|----------------------------|
| Cable weight | 28.4 kg/km 19.084 lb/kft |
|---------------------|----------------------------|

Included Products

- CS-8F-LT – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable