



Fiber OSP cable, LightScope ZWP® Blown Single Jacket All-Dielectric Outdoor Central Tube Construction, Singlemode G.657.A1, Gel-filled, Meters jacket marking, Black jacket color

Product Classification

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

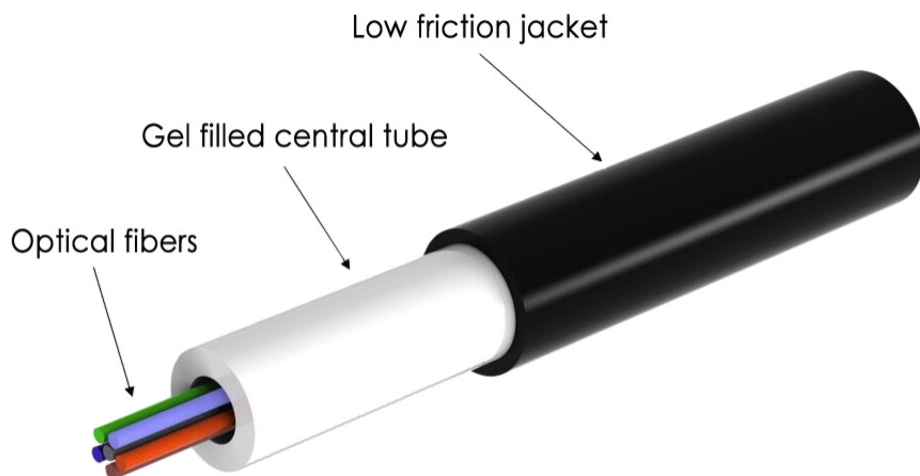
General Specifications

| | |
|-------------------------------------|--|
| Cable Type | Central tube, all dielectric Microcable |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 0 |
| Inner Jacket Color | White |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE 810010145/DB 8x G657A1 SM [SERIAL NUMBER] [METER MARK] |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 8 |
| Total Fiber Count | 8 |

Dimensions

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|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 1.9 mm 0.075 in |
| Diameter Over Jacket | 2.5 mm 0.098 in |

Representative Image



Material Specifications

Jacket Material Nylon

Mechanical Specifications

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|---|---------------------------------------|
| Minimum Bend Radius, loaded | 30 mm 1.181 in |
| Minimum Bend Radius, storage coils | 30 mm 1.181 in |
| Minimum Bend Radius, unloaded | 30 mm 1.181 in |
| Tensile Load, long term, maximum | 75 N 16.861 lbf |
| Compression | 10 N/mm 57.101 lb/in |
| Compression Test Method | IEC 60794-1-21 E3 |
| Flex | 25 cycles |
| Impact | 2 N-m 17.701 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.657.A1

Environmental Specifications

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|--------------------------------------|--------------------------------------|
| Installation temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
| Operating Temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Storage Temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Cable Qualification Standards | IEC 60794-1-2 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 F5 |

Environmental Test Specifications

| | |
|--------------------------------------|-------------------------------------|
| Low High Bend Test Method | IEC 60794-1-21 E11 |
| Temperature Cycle | -20 °C to +60 °C (-4 °F to +140 °F) |
| Temperature Cycle Test Method | IEC 60794-1-22 F1 |

Packaging and Weights

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|---------------------|--------------------------|
| Cable weight | 6.4 kg/km 4.301 lb/kft |
|---------------------|--------------------------|

Included Products

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| CS-8F-LT | - | Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber |
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable