

Fiber OSP cable, Single Jacket All-Dielectric, 6 fiber Gel-Filled, Outdoor Central Tube, Singlemode G.652.D, Meters jacket marking, Black jacket color

Product Classification

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|-----------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America |
| Portfolio | CommScope® |
| Product Type | Fiber OSP cable |
| Product Series | O-CN |

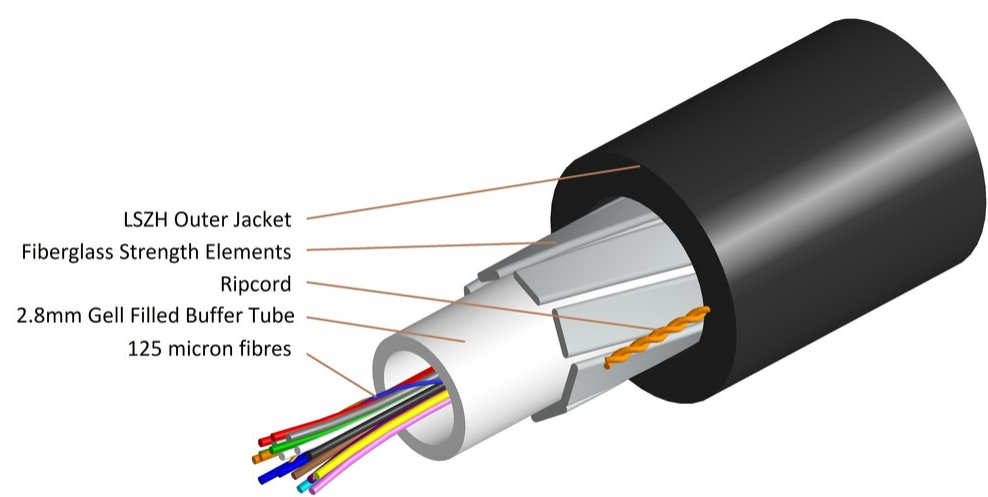
General Specifications

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|------------------------------|--|
| Cable Type | Central loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMScope GB F.O. CABLE 810009998/DB 6 x 9 /125 G857A1 HDPE (serial number) (metre mark) |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 6 |
| Total Fiber Count | 6 |

Dimensions

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|------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 2.8 mm 0.11 in |
| Diameter Over Jacket | 5.3 mm 0.209 in |

Representative Image



Material Specifications

Jacket Material

High density polyethylene (HDPE)

Mechanical Specifications

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| Minimum Bend Radius, loaded | 120 mm 4.724 in |
| Minimum Bend Radius, unloaded | 100 mm 3.937 in |
| Tensile Load, long term, maximum | 800 N 179.847 lbf |
| Tensile Load, short term, maximum | 1200 N 269.771 lbf |
| Compression | 15 N/mm 85.652 lb/in |
| Compression Test Method | IEC 60794-1-2 E3 |
| Flex | 25 cycles |
| Flex Test Method | IEC 60794-1 E6 |
| Impact | 5 N-m 44.254 in lb |
| Impact Test Method | IEC 60794-1 E4 |
| Strain | See long and short term tensile loads |
| Strain Test Method | IEC 60794-1-2-E1 |
| Twist | 5 cycles |
| Twist Test Method | IEC 60794-1 E7 |

Optical Specifications

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|-------------------------------|--------------------------------------|
| Fiber Type | G.652.D and G.657.A1 |
| Environmental Specifications | |
| Installation temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Operating Temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Cable Qualification Standards | ANSI/ICEA S-87-640 EN 187105 |
| Environmental Space | Aerial, lashed Buried |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |

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|-----------------------------------|--------------------------------------|
| Environmental Test Specifications | |
| 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 | IEC 60794-1 F1 |

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| Packaging and Weights | |
| Cable weight | 27 kg/km 18.143 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