



Fiber indoor/outdoor cable, Loose Tube Gel-filled, 24 fiber, Singlemode G. 652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

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|-----------------------|------------------------------|
| Regional Availability | Asia Australia/New Zealand |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | C-LN |

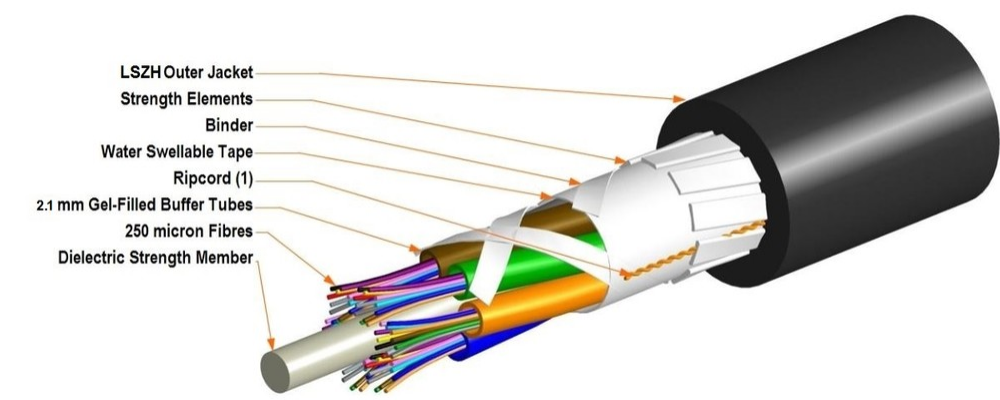
General Specifications

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|------------------------------|---------------------|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Fibers per Subunit, quantity | 6 |
| Total Fiber Count | 24 |

Dimensions

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|------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 1.8 mm 0.071 in |
| Diameter Over Jacket | 10 mm 0.394 in |

Representative Image



Mechanical Specifications

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|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 200 mm 7.874 in |
| Minimum Bend Radius, unloaded | 100 mm 3.937 in |
| Tensile Load, long term, maximum | 890 N 200.08 lbf |
| Tensile Load, short term, maximum | 2700 N 606.984 lbf |
| Compression | 10 N/mm 57.101 lb/in |
| Compression Test Method | IEC 60794-1-2 E3 |
| Strain | See long and short term tensile loads |
| Strain Test Method | IEC 60794-1-21 E1 |

Optical Specifications

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|------------|----------------------------|
| Fiber Type | G.652.D and G.657.A1 OS2 |
|------------|----------------------------|

Optical Specifications, Wavelength Specific

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| Attenuation, maximum | 0.30 dB/km @ 1,550 nm 0.40 dB/km @ 1,310 nm |
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Environmental Specifications

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|-------------------------------|--|
| Installation temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Environmental Space | Buried Ducted Indoor/Outdoor Low Smoke Zero Halogen (LSZH) |
| Flame Test Method | IEC 60332-1 |
| Water Penetration | 24 h |
| Water Penetration Test Method | IEC 60794-1 F5C |

Environmental Test Specifications

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|-------------------------------|--------------------------------------|
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1-2 F1 |

Packaging and Weights

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|--------------|---------------------------|
| Cable weight | 107 kg/km 71.901 lb/kft |
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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

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| CS-8Z-LT | – Low Water Peak, Dispersion-Unshifted Singlemode Fiber |
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* Footnotes

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| Operating Temperature | Specification applicable to non-terminated bulk fiber cable |
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