



Fiber indoor/outdoor cable, LightScope ZWP® Gel-filled loose tube, 6 fiber, Singlemode G.657.A1, Meters jacket marking, Black jacket color, Dca flame rating

Product Classification

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

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 | OPTICAL CABLE COMMSCOPE ADSS-NOTKtcdD 6J7A1 (1x6)OF 1,5kN {Serial Number} MM/YYYY 1234 M |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 6 |
| Total Fiber Count | 6 |

Dimensions

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| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Jacket | 5.05 mm 0.199 in |

Representative Image



Mechanical Specifications

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| Minimum Bend Radius, loaded | 25 mm 0.984 in |
| Minimum Bend Radius, unloaded | 25 mm 0.984 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1500 N 337.214 lbf |
| Cable Crush Resistance, maximum | 15 N/mm 85.652 lb/in |
| Compression | 15 N/mm 85.652 lb/in |
| Compression Test Method | IEC 60794-1-2 E3 |
| Impact | 3 N-m 26.552 in lb |
| Impact Test Method | IEC 60794-1 E4 |
| Twist | 5 cycles |
| Twist Test Method | IEC 60794-1 E7 |

Optical Specifications

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|-------------------|----------|
| Fiber Type | G.657.A1 |
|-------------------|----------|

Optical Specifications, Wavelength Specific

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|-----------------------------|-----------------------|
| Attenuation, maximum | 0.35 dB/km @ 1,300 nm |
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Environmental Specifications

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|---------------------------------|--------------------------------------|
| Installation temperature | -10 °C to +70 °C (+14 °F to +158 °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) |

810010167/DB | C-006-DN-8F-M06BK/20G-P001

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|---|---|
| Cable Qualification Standards | IEC 60794-1-2 |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Drop Universal Low Smoke Zero Halogen (ULSZH) |
| Flame Test Listing | IEC 60332-1-2 |
| Flame Test Method | EN 50399 IEC 60754-2 IEC 61034-2 |
| Water Penetration | 24 h |

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 | 34 kg/km 22.847 lb/kft |
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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