

Fiber indoor/outdoor cable, LightScope® ZWP Gel-filled loose tube, 6 fiber, Singlemode , 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                                |

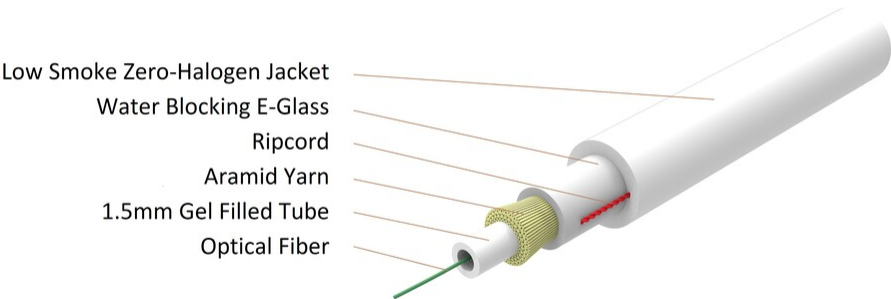
General Specifications

|                              |                    |
|------------------------------|--------------------|
| Cable Type                   | Central loose tube |
| Construction Type            | Non-armored        |
| Subunit Type                 | Gel-filled         |
| Jacket Color                 | Black              |
| Jacket Marking               | Meters             |
| Jacket Marking Method        | Inkjet             |
| Subunit, quantity            | 1                  |
| Fibers per Subunit, quantity | 6                  |
| Total Fiber Count            | 6                  |

Dimensions

|                              |                   |
|------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 1.5 mm   0.059 in |
| Diameter Over Jacket         | 4.6 mm   0.181 in |

Representative Image



Mechanical Specifications

|                                   |                        |
|-----------------------------------|------------------------|
| Minimum Bend Radius, loaded       | 25 mm   0.984 in       |
| Minimum Bend Radius, unloaded     | 25 mm   0.984 in       |
| Tensile Load, long term, maximum  | 600 N   134.885 lbf    |
| Tensile Load, short term, maximum | 1500 N   337.214 lbf   |
| Cable Crush Resistance, maximum   | 15 N/mm   85.652 lb/in |
| Compression Test Method           | IEC 60794-1-2 E3       |
| Impact                            | 10 N-m   88.507 in lb  |
| Impact Test Method                | IEC 60794-1 E4         |
| Twist                             | 100 cycles             |
| Twist Test Method                 | IEC 60794-1 E7         |

Optical Specifications

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

Environmental Specifications

|  |                                      |
|--|--------------------------------------|
| 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                        |
| EN50575 CPR Cable EuroClass Fire Performance | Dca                                  |

810010402/DB | C-006-DN-8W-M06WHT/15G/D

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|   |   |
|---|---|
| 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

|                               |                                      |
|-------------------------------|--------------------------------------|
| Temperature Cycle             | -30 °C to +70 °C (-22 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1-2 F1                     |

### Packaging and Weights

|              |                          |
|--------------|--------------------------|
| Cable weight | 30 kg/km   20.159 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