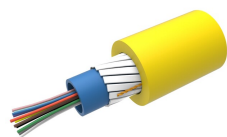


810009859/DB | C-012-CN-8W-M12BK/28G/GY/E



Fiber indoor/outdoor cable, LightScope® ZWP , Gel-Filled loose tube, 12 fiber, Singlemode G.652.D, Meters jacket marking, Yellow jacket color, Eca flame rating. Provides Rodent Resistance

**OBSOLETE**  
This product was discontinued on: March 31, 2023

Product Classification

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

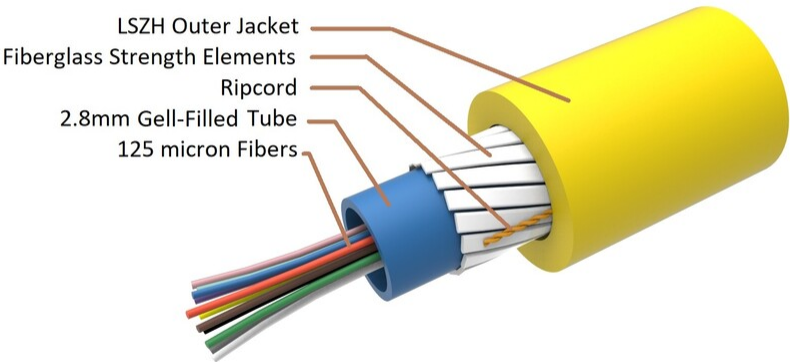
General Specifications

|                              |            |
|------------------------------|------------|
| Cable Type                   | Loose tube |
| Subunit Type                 | Gel-filled |
| Jacket Color                 | Yellow     |
| Jacket Marking               | Meters     |
| Subunit, quantity            | 1          |
| Fibers per Subunit, quantity | 12         |
| Total Fiber Count            | 12         |

Dimensions

|                              |                      |
|------------------------------|----------------------|
| Cable Length                 | 1000 m   3,280.84 ft |
| Buffer Tube/Subunit Diameter | 2.8 mm   0.11 in     |
| Diameter Over Jacket         | 6.4 mm   0.252 in    |

Representative Image



Mechanical Specifications

|                                   |                         |
|-----------------------------------|-------------------------|
| Minimum Bend Radius, loaded       | 130 mm   5.118 in       |
| Minimum Bend Radius, unloaded     | 130 mm   5.118 in       |
| Tensile Load, long term, maximum  | 650 N   146.126 lbf     |
| Tensile Load, short term, maximum | 1000 N   224.809 lbf    |
| Cable Crush Resistance, maximum   | 20 N/mm   114.203 lb/in |
| Compression Test Method           | IEC 60794-1-2 E3        |
| Impact                            | 5 N-m   44.254 in lb    |
| Impact Test Method                | IEC 60794-1 E4          |
| Twist                             | 5 cycles                |
| Twist Test Method                 | IEC 60794-1 E7          |

Optical Specifications

|            |               |
|------------|---------------|
| Fiber Type | G.652.D   OS2 |
|------------|---------------|

Optical Specifications, Wavelength Specific

|                      |   |
|----------------------|---|
| Attenuation, maximum | 0.35 dB/km @ 1,300 nm   0.35 dB/km @ 1,550 nm   0.45 dB/km @ 1,310 nm |
| Standards Compliance | IEC 60794-1   TIA-492CAAB (OS2)                                       |

Environmental Specifications

|  |  |
|--|--|
| Installation temperature                     | -10 °C to +60 °C (+14 °F to +140 °F)     |
| Operating Temperature                        | -10 °C to +60 °C (+14 °F to +140 °F)     |
| Storage Temperature                          | -10 °C to +60 °C (+14 °F to +140 °F)     |
| EN50575 CPR Cable EuroClass Fire Performance | Eca                                      |
| Environmental Space                          | Universal Low Smoke Zero Halogen (ULSZH) |

Packaging and Weights

|              |                          |
|--------------|--------------------------|
| Cable weight | 40 kg/km   26.879 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