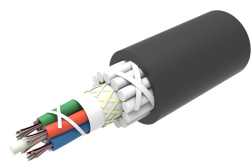


760254754 | C-072-LA-8W-M12BK/25G/GRP/E

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Indoor/Outdoor Low Smoke Zero Halogen, TeraSPEED® GRP Armoured, Stranded Loose Tube Fiber Optic Cable, 72-fiber, Singlemode OS2, Gel-filled, black. Provides Rodent Resistance.

Product Classification

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

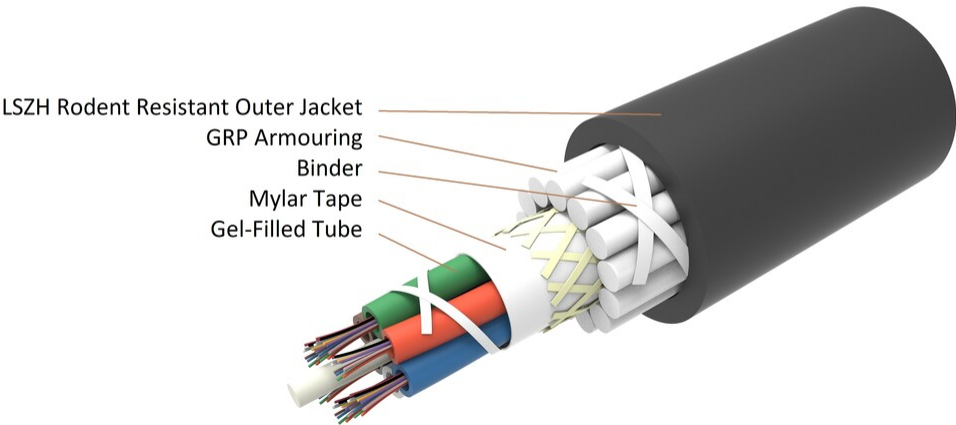
General Specifications

|                              |   |
|------------------------------|---|
| Armor Type                   | Non-metallic rods   |
| Cable Type                   | Loose tube  |
| Construction Type            | Armored   |
| Subunit Type                 | Gel-filled  |
| Jacket Color                 | Black   |
| Jacket Marking               | Meters  |
| Jacket Marking Method        | Inkjet  |
| Jacket Marking Text          | COMMScope GB OPTICAL CABLE 760254754<br>OS2 SM 72 FIBER EN50575 CLASS Dca [SERIAL NUMBER] [MM /YY] [METRE MARK] |
| Subunit, quantity            | 6   |
| Fibers per Subunit, quantity | 12  |
| Total Fiber Count            | 72  |

Dimensions

|                              |                      |
|------------------------------|----------------------|
| Cable Length                 | 2000 m   6,561.68 ft |
| Buffer Tube/Subunit Diameter | 2.5 mm   0.098 in    |
| Diameter Over Jacket         | 16.8 mm   0.661 in   |

Representative Image



Mechanical Specifications

|                                   |                         |
|-----------------------------------|-------------------------|
| Minimum Bend Radius, loaded       | 340 mm   13.386 in      |
| Minimum Bend Radius, unloaded     | 250 mm   9.843 in       |
| Tensile Load, long term, maximum  | 6000 N   1,348.854 lbf  |
| Tensile Load, short term, maximum | 9000 N   2,023.281 lbf  |
| Cable Crush Resistance, maximum   | 40 N/mm   228.406 lb/in |
| Compression Test Method           | IEC 60794-1-2 E3        |
| Impact                            | 15 N-m   132.761 in lb  |
| Impact Test Method                | IEC 60794-1 E4          |
| Twist                             | 5 cycles                |
| Twist Test Method                 | IEC 60794-1 E7          |

Optical Specifications

|            |     |
|------------|-----|
| Fiber Type | 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                     | -5 °C to +50 °C (+23 °F to +122 °F)  |
| Operating Temperature                        | -25 °C to +70 °C (-13 °F to +158 °F) |
| Storage Temperature                          | -20 °C to +70 °C (-4 °F to +158 °F)  |
| EN50575 CPR Cable EuroClass Fire Performance | Eca                                  |
| Environmental Space                          | Low Smoke Zero Halogen (LSZH)        |
| Water Penetration                            | 24 h                                 |
| Water Penetration Test Method                | IEC 60794-1 F5                       |

Environmental Test Specifications

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

Packaging and Weights

|              |                            |
|--------------|----------------------------|
| Cable weight | 223 kg/km   149.849 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