



Fiber Indoor/Outdoor cable, TeraSPEED®, 120 min Fire Survival, Low Smoke Zero Halogen (LSZH), 12 fiber, Gel-Filled, Central Loose Tube, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color. Provides Rodent Resistance.

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   Middle East/Africa |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor/outdoor cable                        |
| <b>Product Series</b>        | C-L2  |

## General Specifications

|                                     |                  |
|-------------------------------------|------------------|
| <b>Armor Type</b>                   | Corrugated steel |
| <b>Cable Type</b>                   | Loose tube       |
| <b>Subunit Type</b>                 | Gel-filled       |
| <b>Jacket Color</b>                 | Black            |
| <b>Jacket Marking</b>               | Meters           |
| <b>Jacket Marking Method</b>        | Inkjet           |
| <b>Fibers per Subunit, quantity</b> | 12               |
| <b>Total Fiber Count</b>            | 12               |

## Dimensions

|                                     |                      |
|-------------------------------------|----------------------|
| <b>Cable Length</b>                 | 2000 m   6,561.68 ft |
| <b>Buffer Tube/Subunit Diameter</b> | 4 mm   0.157 in      |
| <b>Diameter Over Jacket</b>         | 12.7 mm   0.5 in     |

## Mechanical Specifications

|  |                         |
|--|-------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 330 mm   12.992 in      |
| <b>Minimum Bend Radius, unloaded</b>     | 255 mm   10.039 in      |
| <b>Tensile Load, long term, maximum</b>  | 400 N   89.924 lbf      |
| <b>Tensile Load, short term, maximum</b> | 1400 N   314.733 lbf    |
| <b>Compression</b>                       | 30 N/mm   171.304 lb/in |

# 760259914 | C-012-L2-8W-M12BK/40G/GY/FS

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|                                |                                       |
|--------------------------------|---------------------------------------|
| <b>Compression Test Method</b> | IEC 60794-1 E3                        |
| <b>Impact</b>                  | 10 N-m   88.507 in lb                 |
| <b>Impact Test Method</b>      | IEC 60794-1 E4                        |
| <b>Strain</b>                  | See long and short term tensile loads |
| <b>Strain Test Method</b>      | IEC 60794-1 E1                        |
| <b>Twist</b>                   | 5 cycles                              |
| <b>Twist Test Method</b>       | IEC 60794-1 E7                        |

## Optical Specifications

|                   |  |
|-------------------|--|
| <b>Fiber Type</b> | G.652.D and G.657.A1, TeraSPEED®   OS2 |
|-------------------|--|

## Optical Specifications, Wavelength Specific

|                             |   |
|-----------------------------|---|
| <b>Attenuation, maximum</b> | 0.22 dB/km @ 1,550 nm   0.34 dB/km @ 1,310 nm |
| <b>Standards Compliance</b> | TIA-492CAAB (OS2)                             |

## Environmental Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Operating Temperature</b>         | -20 °C to +70 °C (-4 °F to +158 °F)                     |
| <b>Storage Temperature</b>           | -33 °C to +40 °C (-27.4 °F to +104 °F)                  |
| <b>Cable Qualification Standards</b> | EN 187105   IEC 60794-1-2                               |
| <b>Environmental Space</b>           | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH) |
| <b>Flame Test Method</b>             | IEC 60331-25  |
| <b>Jacket UV Resistance</b>          | UV stabilized   |
| <b>Water Penetration</b>             | 24 h  |
| <b>Water Penetration Test Method</b> | IEC 60794-1 F5  |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Low High Bend Test Method</b>     | IEC 60794-1 E11                      |
| <b>Temperature Cycle</b>             | -25 °C to +70 °C (-13 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | IEC 60794-1 F1                       |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 216 kg/km   145.145 lb/kft |
|---------------------|----------------------------|

## Regulatory Compliance/Certifications

**Agency**

CHINA-ROHS  
REACH-SVHC  
ROHS  
UK-ROHS

**Classification**

Below maximum concentration value  
Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)  
Compliant  
Compliant



## Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber  
8W-250um

## \* Footnotes

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