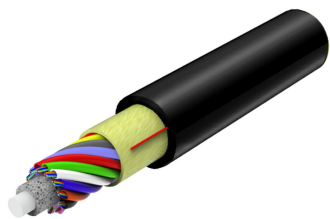


# 810010338/DB | C-144-LN-8F-M12BK/14D/D



Fiber Indoor/Outdoor Cable, Low Smoke Zero Halogen, 144 fiber, Microsheath, Singlemode, G.657.A1, Gel-free, Meters jacket marking, Black jacket color, Dca flame rating

## Product Classification

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

## General Specifications

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Cable Type</b>                   | Stranded microsheath tube |
| <b>Subunit Type</b>                 | Gel-free                  |
| <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>            | 144                       |

## Dimensions

|                             |                      |
|-----------------------------|----------------------|
| <b>Cable Length</b>         | 2000 m   6,561.68 ft |
| <b>Diameter Over Jacket</b> | 8.6 mm   0.339 in    |

## Mechanical Specifications

|                                          |                        |
|------------------------------------------|------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 100 mm   3.937 in      |
| <b>Minimum Bend Radius, unloaded</b>     | 55 mm   2.165 in       |
| <b>Tensile Load, long term, maximum</b>  | 450 N   101.164 lbf    |
| <b>Tensile Load, short term, maximum</b> | 1500 N   337.214 lbf   |
| <b>Cable Crush Resistance, maximum</b>   | 10 N/mm   57.101 lb/in |
| <b>Compression Test Method</b>           | IEC 60794-1-21 E3      |
| <b>Impact</b>                            | 2 N-m   17.701 in lb   |
| <b>Impact Test Method</b>                | IEC 60794-1-21 E4      |

# 810010338/DB | C-144-LN-8F-M12BK/14D/D

---

**Strain Test Method** IEC 60794-1-21 E1

## Optical Specifications

**Fiber Type** G.657.A1

## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.25 dB/km @ 1,550 nm | 0.27 dB/km @ 1,490 nm | 0.27 dB/km @ 1,625 nm | 0.36 dB/km @ 1,310 nm

**Standards Compliance** TIA-492CAAB (OS2)

## Environmental Specifications

**Operating Temperature** -40 °C to +70 °C (-40 °F to +158 °F)

**EN50575 CPR Cable EuroClass Fire Performance** Dca

**EN50575 CPR Cable EuroClass Smoke Rating** s1a

**EN50575 CPR Cable EuroClass Droplets Rating** d2

**EN50575 CPR Cable EuroClass Acidity Rating** a1

**Environmental Space** Universal Low Smoke Zero Halogen (ULSZH)

**Water Penetration Test Method** IEC 60794-1 F4

## Environmental Test Specifications

**Temperature Cycle** -40 °C to +70 °C (-40 °F to +158 °F)

**Temperature Cycle Test Method** IEC 60794-1-22 F1

## Packaging and Weights

**Cable weight** 73 kg/km | 49.054 lb/kft

## 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