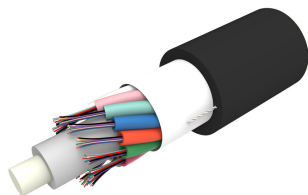


810010450/DB | C-144-LN-8W-M12BK/14D/D



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

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

General Specifications

| | |
|------------------------------|--|
| Cable Type | Stranded microsheath tube |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMScope GB F.O. CABLE 760256859 144x9/125 ITU-T G.657A1 EN50575 CLASS D ULSZH (serial number) (metre mark) |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 144 |

Dimensions

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

Mechanical Specifications

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

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| | |
|--------------------|----------------------|
| Impact | 2 N-m 17.701 in lb |
| Impact Test Method | IEC 60794-1-21 E4 |
| 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 |
|--------------|--------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|------------|---|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

810010450/DB | C-144-LN-8W-M12BK/14D/D



Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable