## 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 TypeGel-freeJacket ColorBlackJacket MarkingMetersJacket Marking MethodInkjet

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, loaded100 mm | 3.937 inMinimum Bend Radius, unloaded55 mm | 2.165 inTensile Load, long term, maximum450 N | 101.164 lbfTensile Load, short term, maximum1500 N | 337.214 lbfCable Crush Resistance, maximum10 N/mm | 57.101 lb/in

Compression Test Method IEC 60794-1-21 E3

**COMMSCOPE®** 

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

**Impact** 2 N-m | 17.701 in lb

Impact Test MethodIEC 60794-1-21 E4Strain Test MethodIEC 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**  $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \text{ (-40 }^{\circ}\text{F to } +158 \,^{\circ}\text{F)}$ 

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings1aEN50575 CPR Cable EuroClass Droplets Ratingd2EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Universal Low Smoke Zero Halogen (ULSZH)

Water Penetration Test Method IEC 60794-1 F4

Environmental Test Specifications

**Temperature Cycle**  $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

**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

