### 760256859 | 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

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, maximum200 N | 44.962 lbfTensile Load, short term, maximum700 N | 157.366 lbfCable Crush Resistance, maximum10 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 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**  $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Rating\$1aEN50575 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



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#### Included Products

CS-8F-LT

Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode

### \* Footnotes

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

