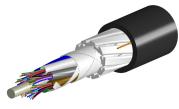
C-144-LN-8W-M12BK/20G/HTS/D 760243336 l



Fiber indoor/outdoor cable, TeraSPEED® High Tensile Strength LSZH, 144 fiber, Stranded Loose Tube, Mini All-Dielectric Single Jacket, Singlemode G.652.D and G.657.A1, Gel-Filled, Meters jacket marking, Dca flame rating. Provides Rodent Resistance

Product Classification

Regional Availability Asia | Australia/New Zealand | EMEA

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

Product Series C-I N

General Specifications

Cable Type Stranded loose tube

Non-armored **Construction Type**

Gel-filled **Subunit Type**

0 Filler, quantity

Jacket Color Black **Jacket Marking** Meters

Jacket Marking Method Inkjet

COMMSCOPE GB OPTICAL CABLE 760243336 144X OS2 SM LSZH **Jacket Marking Text**

144

EN50575 CLASS D [SERIAL NUMBER] [METER MARK]

Subunit, quantity 12 12 Fibers per Subunit, quantity **Total Fiber Count**

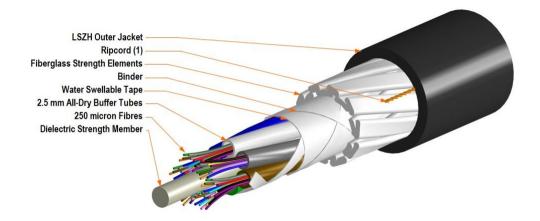
Dimensions

Buffer Tube/Subunit Diameter 2 mm | 0.079 in **Diameter Over Jacket** 16.1 mm | 0.634 in

Representative Image



760243336 | C-144-LN-8W-M12BK/20G/HTS/D



Mechanical Specifications

Minimum Bend Radius, loaded 241 mm | 9.488 in

Minimum Bend Radius, unloaded 161 mm | 6.339 in

Tensile Load, long term, maximum 1350 N | 303.492 lbf

Tensile Load, short term, maximum 4500 N | 1,011.641 lbf

Compression 22 N/mm | 125.623 lb/in

Compression Test Method IEC 60794-1 E3

Flex 25 cycles

Flex Test Method IEC 60794-1 E6

Impact 10 N-m | 88.507 in lb

Impact Test Method IEC 60794-1 E4

Strain See long and short term tensile loads

Strain Test Method IEC 60794-1 E1

Twist 10 cycles

Twist Test Method IEC 60794-1 E7

Vertical Rise, maximum 363 m | 1,190.945 ft

Optical Specifications

Fiber Type G.652.D and G.657.A1, TeraSPEED® | OS2

Environmental Specifications

Installation temperature $-30 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-22 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$ Operating Temperature $-40 \,^{\circ}\text{C} \, \text{to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$

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Storage Temperature -40 °C to +75 °C (-40 °F to +167 °F)

Cable Qualification Standards EN 187105 | IEC 60794-1-2

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings2EN50575 CPR Cable EuroClass Droplets Ratingd0EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH)

Flame Test Method | IEC 60332-1-2 | IEC 60754-2 | IEC 61034-2

Jacket UV Resistance UV stabilized

Water Penetration 24 h

Water Penetration Test Method IEC 60794-1 F5

Environmental Test Specifications

 Cable Freeze
 -2 °C | 28.4 °F

 Cable Freeze Test Method
 IEC 60794-1 F15

 Drip
 70 °C | 158 °F

 Drip Test Method
 IEC 60794-1 E14

Heat Age -40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test Method IEC 60794-1 F9

Low High Bend -30 °C to +60 °C (-22 °F to +140 °F)

Low High Bend Test Method IEC 60794-1 E11

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

Temperature Cycle Test Method IEC 60794-1 F1

Packaging and Weights

Cable weight 264 kg/km | 177.4 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



760243336 | C-144-LN-8W-M12BK/20G/HTS/D



Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

