# 2-599687-2 | C-012-CA-5K-M12BK/28G/GY



Fiber indoor/outdoor Cable, Armoured LSZH, OM4, 12 fiber, loose tube, gel-filled

#### **Product Classification**

Regional Availability

Australia/New Zealand | EMEA

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

Product Series C-CA

## General Specifications

Armor Type Corrugated steel

Cable TypeLoose tubeSubunit TypeGel-filledJacket ColorBlackJacket MarkingMeters

Jacket Marking Method Inkjet

Jacket Marking TextCOMMSCOPE GB SYSTEM F.O. CABLE X-599687-2 CSA GEL LOOSE TUBE

12X50/125 OM4 ULSZH (Serial NUMBER) (METRE)

Fibers per Subunit, quantity 12

Total Fiber Count 12

**Dimensions** 

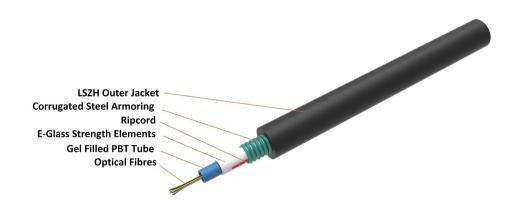
Buffer Tube/Subunit Diameter 2.8 mm | 0.11 in

Diameter Over Jacket 10 mm | 0.394 in

## Representative Image



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### Material Specifications

Jacket Material Low Smoke Zero Halogen (LSZH)

## Mechanical Specifications

Minimum Bend Radius, loaded 210 mm | 8.268 in

Minimum Bend Radius, unloaded 160 mm | 6.299 in

Tensile Load, long term, maximum 625 N | 140.506 lbf

Tensile Load, short term, maximum 1200 N | 269.771 lbf

Cable Crush Resistance, maximum30 N/mm | 171.304 lb/in

**Compression Test Method** IEC 60794-1-2 E3

 Impact
 5 N-m | 44.254 in lb

 Impact Test Method
 IEC 60794-1-21 E4

Optical Specifications

**Fiber Type** OM4, LazrSPEED®

### Optical Specifications, Wavelength Specific

**Attenuation, maximum** 1.00 dB/km @ 1,300 nm | 3.00 dB/km @ 850 nm

**Standards Compliance** TIA-492AAAD (OM4)

**COMMSCOPE®** 

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### **Environmental Specifications**

Installation temperature  $-20 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-4  $^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

**Operating Temperature**  $-20 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \left(-4 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F}\right)$ 

**Storage Temperature**  $-20 \,^{\circ}\text{C}$  to  $+75 \,^{\circ}\text{C}$  (-4 °F to  $+167 \,^{\circ}\text{F}$ )

Environmental Space Buried | Ducted | Indoor/Outdoor | Outdoor

Water Penentration 24 h

Water Penentration Test Method IEC 60794-1 F5

**Environmental Test Specifications** 

**Temperature Cycle**  $-20 \,^{\circ}\text{C to} + 70 \,^{\circ}\text{C } (-4 \,^{\circ}\text{F to} + 158 \,^{\circ}\text{F})$ 

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

Packaging and Weights

**Cable weight** 135 kg/km | 90.716 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



#### Included Products

CS-5K-LT – LazrSPEED® 550 OM4 Bend-Insensitive Multimode

Fiber

#### \* Footnotes

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

