

## SRG-K CONTROL CABLES

Silicone Rubber Glass Braid Conductors with an Overall Aramid Fiber Jacket, Temp Rating 200°C, 600V



Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

- Conductor:** Stranded tinned, annealed copper per ASTM B33
- Insulation:** Silicone Rubber with a fiberglass braid over the insulation
- Cabling:** Conductors are cabled with a left hand lay and bound with a polyester tape
- Jacket:** K-Fiber braid, treated with a high temperature saturant, covers the core

### APPLICATIONS AND FEATURES:

Used for equipment wiring, as well as signal and control circuits. Ideal in locations where high temperature or hazardous conditions exist that require heat resistance at 600 volts. K Fiber Jacket provides improved mechanical strength and abrasion resistance. Good chemical strength. Excellent electrical properties. Passes IEEE 383 70,000 BTU/Hr Flame test while maintaining circuit integrity.

### SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- IEEE 383 Flame Test (70,000 btu)
- RoHS-3 Complies with European Directive 2015/863

**Table 1 – Weights and Measurements**

| Stock Number | Cond. Size<br>AWG/Kcmil | Cond. Number<br>No. | Insul. Thickness<br>mil | Approx. OD<br>inch | Approx. Weight<br>lb/1000ft | Temp. Rating<br>°C | Standard (UL or other)<br>Style/Type |
|--------------|-------------------------|---------------------|-------------------------|--------------------|-----------------------------|--------------------|--------------------------------------|
| C51305       | 12                      | 3                   | 30                      | 0.430              | 110                         | 200                | Non-UL                               |

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

**Table 2 – Weights and Measurements (Metric)**

| Stock Number | Cond. Size<br>AWG/Kcmil | Cond. Number<br>No. | Insul. Thickness<br>mm | Approx. OD<br>mm | Approx. Weight<br>kg/km | Temp. Rating<br>°C | Standard (UL or other)<br>Style/Type |
|--------------|-------------------------|---------------------|------------------------|------------------|-------------------------|--------------------|--------------------------------------|
| C51305       | 12                      | 3                   | 0.76                   | 10.92            | 164                     | 200                | Non-UL                               |

