

## SRG-K INSTRUMENTATION CABLES

Flexible Silicone Rubber Glass Braid Conductors with an Alum/Mylar Shield and Drain and an Overall Aramid Fiber Jacket, Temp Rating 200°C, 600V



Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** Stranded tinned, annealed copper per ASTM B33
2. **Insulation:** Silicone Rubber with a fiberglass braid over the insulation
3. **Shielding:** An alum/mylar shield and drain is applied over the core
4. **Jacket:** K-Fiber braid, treated with a high temperature saturant, covers the shielded 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. Flexible. Good chemical resistance. 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 | Cond. Number | Insul. Thickness | Approx. OD | Approx. Weight | Temp. Rating | Standard (UL or other) |
|--------------|------------|--------------|------------------|------------|----------------|--------------|------------------------|
|              | AWG/Kcmil  | No.          | mil              | inch       | lb/1000ft      | °C           | Style/Type             |
| C51005       | 18         | 3            | 30               | 0.315      | 50             | 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 | Cond. Number | Insul. Thickness | Approx. OD | Approx. Weight | Temp. Rating | Standard (UL or other) |
|--------------|------------|--------------|------------------|------------|----------------|--------------|------------------------|
|              | AWG/Kcmil  | No.          | mm               | mm         | kg/km          | °C           | Style/Type             |
| C51005       | 18         | 3            | 0.76             | 8.00       | 74             | 200          | Non-UL                 |

