

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:

- Conductor:** Stranded tinned, annealed copper per ASTM B33
- Insulation:** Silicone Rubber with a fiberglass braid over the insulation
- Shielding:** An alum/mylar shield and drain is applied over the core
- 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 AWG/Kcmil | Cond. Number No. | Insul. Thickness mil | Approx. OD inch | Approx. Weight lb/1000ft | Temp. Rating °C | Standard (UL or other) Style/Type |
|--------------|-------------------------|---------------------|-------------------------|--------------------|-----------------------------|--------------------|--------------------------------------|
| C51000 | 18 | 2 | 30 | 0.290 | 40 | 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 AWG/Kcmil | Cond. Number No. | Insul. Thickness mm | Approx. OD mm | Approx. Weight kg/km | Temp. Rating °C | Standard (UL or other) Style/Type |
|--------------|-------------------------|---------------------|------------------------|------------------|-------------------------|--------------------|--------------------------------------|
| C51000 | 18 | 2 | 0.76 | 7.37 | 60 | 200 | Non-UL |

