



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 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 |
| C51005 | 18 | 3 | 30 | 0.315 | 50 | 200 | Non-UL |
| C51010 | 18 | 4 | 30 | 0.330 | 65 | 200 | Non-UL |
| C51015 | 18 | 5 | 30 | 0.350 | 80 | 200 | Non-UL |
| C51020 | 18 | 7 | 30 | 0.440 | 110 | 200 | Non-UL |
| C51030 | 18 | 12 | 30 | 0.560 | 205 | 200 | Non-UL |
| C51040 | 18 | 19 | 30 | 0.680 | 320 | 200 | Non-UL |
| C51050 | 18 | 37 | 30 | 0.915 | 630 | 200 | Non-UL |
| C51100 | 16 | 2 | 30 | 0.345 | 43 | 200 | Non-UL |
| C51105 | 16 | 3 | 30 | 0.360 | 60 | 200 | Non-UL |
| C51110 | 16 | 4 | 30 | 0.400 | 75 | 200 | Non-UL |
| C51115 | 16 | 5 | 30 | 0.435 | 95 | 200 | Non-UL |
| C51120 | 16 | 7 | 30 | 0.475 | 130 | 200 | Non-UL |
| C51130 | 16 | 12 | 30 | 0.625 | 220 | 200 | Non-UL |
| C51140 | 16 | 19 | 30 | 0.735 | 350 | 200 | Non-UL |
| C51150 | 16 | 37 | 30 | 0.995 | 660 | 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 |
| C51005 | 18 | 3 | 0.76 | 8.00 | 74 | 200 | Non-UL |
| C51010 | 18 | 4 | 0.76 | 8.38 | 97 | 200 | Non-UL |
| C51015 | 18 | 5 | 0.76 | 8.89 | 119 | 200 | Non-UL |
| C51020 | 18 | 7 | 0.76 | 11.18 | 164 | 200 | Non-UL |
| C51030 | 18 | 12 | 0.76 | 14.22 | 305 | 200 | Non-UL |
| C51040 | 18 | 19 | 0.76 | 17.27 | 476 | 200 | Non-UL |
| C51050 | 18 | 37 | 0.76 | 23.24 | 938 | 200 | Non-UL |
| C51100 | 16 | 2 | 0.76 | 8.76 | 64 | 200 | Non-UL |
| C51105 | 16 | 3 | 0.76 | 9.14 | 89 | 200 | Non-UL |
| C51110 | 16 | 4 | 0.76 | 10.16 | 112 | 200 | Non-UL |
| C51115 | 16 | 5 | 0.76 | 11.05 | 141 | 200 | Non-UL |
| C51120 | 16 | 7 | 0.76 | 12.07 | 193 | 200 | Non-UL |
| C51130 | 16 | 12 | 0.76 | 15.88 | 327 | 200 | Non-UL |
| C51140 | 16 | 19 | 0.76 | 18.67 | 521 | 200 | Non-UL |
| C51150 | 16 | 37 | 0.76 | 25.27 | 982 | 200 | Non-UL |

