



SRG-K CONTROL CABLES

Flexible 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:

1. **Conductor:** Stranded tinned, annealed copper per ASTM B33
2. **Insulation:** Silicone Rubber with a fiberglass braid over the insulation
3. **Cabling:** Conductors are cabled with a left hand lay and bound with a polyester tape
4. **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. Flexible. 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 AWG/Kcmil | Cond. Number No. | Insul. Thickness mil | Approx. OD inch | Approx. Weight lb/1000ft | Temp. Rating °C | Standard (UL or other) Style/Type |
|--------------|-------------------------|---------------------|-------------------------|--------------------|-----------------------------|--------------------|--------------------------------------|
| C51200 | 14 | 2 | 30 | 0.375 | 55 | 200 | Non-UL |
| C51205 | 14 | 3 | 30 | 0.400 | 75 | 200 | Non-UL |
| C51210 | 14 | 4 | 30 | 0.435 | 100 | 200 | Non-UL |
| C51215 | 14 | 5 | 30 | 0.480 | 125 | 200 | Non-UL |
| C51220 | 14 | 7 | 30 | 0.520 | 170 | 200 | Non-UL |
| C51230 | 14 | 12 | 30 | 0.690 | 280 | 200 | Non-UL |
| C51240 | 14 | 19 | 30 | 0.810 | 415 | 200 | Non-UL |
| C51250 | 14 | 37 | 30 | 1.100 | 810 | 200 | Non-UL |
| C51300 | 12 | 2 | 30 | 0.410 | 75 | 200 | Non-UL |
| C51305 | 12 | 3 | 30 | 0.430 | 110 | 200 | Non-UL |
| C51310 | 12 | 4 | 30 | 0.475 | 145 | 200 | Non-UL |
| C51315 | 12 | 5 | 30 | 0.520 | 175 | 200 | Non-UL |
| C51320 | 12 | 7 | 30 | 0.570 | 240 | 200 | Non-UL |
| C51330 | 12 | 12 | 30 | 0.755 | 410 | 200 | Non-UL |
| C51340 | 12 | 19 | 30 | 0.890 | 625 | 200 | Non-UL |
| C51350 | 12 | 37 | 30 | 1.250 | 1250 | 200 | Non-UL |
| C51400 | 10 | 2 | 45 | 0.525 | 125 | 200 | Non-UL |
| C51405 | 10 | 3 | 45 | 0.555 | 180 | 200 | Non-UL |
| C51410 | 10 | 4 | 45 | 0.615 | 235 | 200 | Non-UL |
| C51415 | 10 | 5 | 45 | 0.675 | 300 | 200 | Non-UL |
| C51420 | 10 | 7 | 45 | 0.740 | 385 | 200 | Non-UL |
| C51430 | 10 | 12 | 45 | 0.990 | 685 | 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 |
|--------------|-------------------------|---------------------|------------------------|------------------|-------------------------|--------------------|--------------------------------------|
| C51200 | 14 | 2 | 0.76 | 9.52 | 82 | 200 | Non-UL |
| C51205 | 14 | 3 | 0.76 | 10.16 | 112 | 200 | Non-UL |
| C51210 | 14 | 4 | 0.76 | 11.05 | 149 | 200 | Non-UL |
| C51215 | 14 | 5 | 0.76 | 12.19 | 186 | 200 | Non-UL |
| C51220 | 14 | 7 | 0.76 | 13.21 | 253 | 200 | Non-UL |
| C51230 | 14 | 12 | 0.76 | 17.53 | 417 | 200 | Non-UL |
| C51240 | 14 | 19 | 0.76 | 20.57 | 618 | 200 | Non-UL |
| C51250 | 14 | 37 | 0.76 | 27.94 | 1205 | 200 | Non-UL |
| C51300 | 12 | 2 | 0.76 | 10.41 | 112 | 200 | Non-UL |
| C51305 | 12 | 3 | 0.76 | 10.92 | 164 | 200 | Non-UL |
| C51310 | 12 | 4 | 0.76 | 12.07 | 216 | 200 | Non-UL |
| C51315 | 12 | 5 | 0.76 | 13.21 | 260 | 200 | Non-UL |
| C51320 | 12 | 7 | 0.76 | 14.48 | 357 | 200 | Non-UL |
| C51330 | 12 | 12 | 0.76 | 19.18 | 610 | 200 | Non-UL |
| C51340 | 12 | 19 | 0.76 | 22.61 | 930 | 200 | Non-UL |
| C51350 | 12 | 37 | 0.76 | 31.75 | 1860 | 200 | Non-UL |
| C51400 | 10 | 2 | 1.14 | 13.33 | 186 | 200 | Non-UL |
| C51405 | 10 | 3 | 1.14 | 14.10 | 268 | 200 | Non-UL |
| C51410 | 10 | 4 | 1.14 | 15.62 | 350 | 200 | Non-UL |
| C51415 | 10 | 5 | 1.14 | 17.15 | 446 | 200 | Non-UL |
| C51420 | 10 | 7 | 1.14 | 18.80 | 573 | 200 | Non-UL |
| C51430 | 10 | 12 | 1.14 | 25.15 | 1019 | 200 | Non-UL |

