

# SRG-K POWER 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



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**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
C51500	8	2	60	0.620	180	200	Non-UL
C51505	8	3	60	0.660	265	200	Non-UL
C51510	8	4	60	0.750	350	200	Non-UL
C51525	6	2	60	0.675	250	200	Non-UL
C51530	6	3	60	0.730	355	200	Non-UL
C51535	6	4	60	0.820	480	200	Non-UL
C51550	4	2	60	0.840	385	200	Non-UL
C51555	4	3	60	0.910	625	200	Non-UL
C51560	4	4	60	1.020	825	200	Non-UL
C51575	2	2	60	0.980	630	200	Non-UL
C51580	2	3	60	1.050	925	200	Non-UL
C51585	2	4	60	1.180	1225	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
C51500	8	2	1.52	15.75	268	200	Non-UL
C51505	8	3	1.52	16.76	394	200	Non-UL
C51510	8	4	1.52	19.05	521	200	Non-UL
C51525	6	2	1.52	17.15	372	200	Non-UL
C51530	6	3	1.52	18.54	528	200	Non-UL
C51535	6	4	1.52	20.83	714	200	Non-UL
C51550	4	2	1.52	21.34	573	200	Non-UL
C51555	4	3	1.52	23.11	930	200	Non-UL
C51560	4	4	1.52	25.91	1228	200	Non-UL
C51575	2	2	1.52	24.89	938	200	Non-UL
C51580	2	3	1.52	26.67	1377	200	Non-UL
C51585	2	4	1.52	29.97	1823	200	Non-UL

