

SRG-K INSTRUMENTATION CABLES

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. 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

