

## SRG-G INSTRUMENTATION CABLES

Flexible Silicone Rubber Glass Braid Conductors with an Alum/Mylar Shield and Drain and an Overall Fiberglass Braid, 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
3. **Shielding:** An alum/mylar shield and drain is applied over the core
4. **Jacket:** Fiberglass 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.

Excellent chemical resistance, excellent resistance to fluids, and low coefficient of friction makes installation easier. Good mechanical strength. Flexible. Passes IEEE 383 70,000 BTU/Hr Flame test while maintaining circuit integrity. For constructions with core sizes larger than .750, please use our SRGK product group.

### 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	Cond. Number	Braid	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	No.	mil	inch	lb/1000ft	°C	Style/Type
C50000	18	2	30	0.260	25	200	Non-UL
C50005	18	3	30	0.280	40	200	Non-UL
C50010	18	4	30	0.310	55	200	Non-UL
C50015	18	5	30	0.325	75	200	Non-UL
C50020	18	7	30	0.380	95	200	Non-UL
C50030	18	12	30	0.520	160	200	Non-UL
C50040	18	19	30	0.630	240	200	Non-UL
C50100	16	2	30	0.300	38	200	Non-UL
C50105	16	3	30	0.320	57	200	Non-UL
C50110	16	4	30	0.355	75	200	Non-UL
C50115	16	5	30	0.390	93	200	Non-UL
C50120	16	7	30	0.430	129	200	Non-UL
C50130	16	12	30	0.580	219	200	Non-UL
C50140	16	19	30	0.705	342	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	Braid	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	No.	mm	mm	kg/km	°C	Style/Type
C50000	18	2	0.76	6.60	37	200	Non-UL
C50005	18	3	0.76	7.11	60	200	Non-UL
C50010	18	4	0.76	7.87	82	200	Non-UL
C50015	18	5	0.76	8.25	112	200	Non-UL
C50020	18	7	0.76	9.65	141	200	Non-UL
C50030	18	12	0.76	13.21	238	200	Non-UL
C50040	18	19	0.76	16.00	357	200	Non-UL
C50100	16	2	0.76	7.62	57	200	Non-UL
C50105	16	3	0.76	8.13	85	200	Non-UL
C50110	16	4	0.76	9.02	112	200	Non-UL
C50115	16	5	0.76	9.91	138	200	Non-UL
C50120	16	7	0.76	10.92	192	200	Non-UL
C50130	16	12	0.76	14.73	326	200	Non-UL
C50140	16	19	0.76	17.91	509	200	Non-UL

