

SRG-G CONTROL CABLES

Flexible Silicone Rubber Glass Braid Conductors with an Overall Fiberglass 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:** Fiberglass 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.

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 AWG/Kcmil	Cond. Number No.	Braid mil	Approx. OD inch	Approx. Weight lb/1000ft	Temp. Rating °C	Standard (UL or other) Style/Type
C50200	14	2	30	0.330	50	200	Non-UL
C50205	14	3	30	0.350	75	200	Non-UL
C50210	14	4	30	0.390	99	200	Non-UL
C50215	14	5	30	0.430	122	200	Non-UL
C50220	14	7	30	0.475	172	200	Non-UL
C50230	14	12	30	0.655	293	200	Non-UL
C50300	12	2	30	0.360	67	200	Non-UL
C50305	12	3	30	0.385	101	200	Non-UL
C50310	12	4	30	0.425	133	200	Non-UL
C50315	12	5	30	0.470	166	200	Non-UL
C50320	12	7	30	0.520	231	200	Non-UL
C50330	12	12	30	0.720	393	200	Non-UL
C50400	10	2	45	0.480	114	200	Non-UL
C50405	10	3	45	0.515	170	200	Non-UL
C50410	10	4	45	0.565	222	200	Non-UL
C50415	10	5	45	0.650	292	200	Non-UL
C50420	10	7	45	0.715	374	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.	Braid mm	Approx. OD mm	Approx. Weight kg/km	Temp. Rating °C	Standard (UL or other) Style/Type
C50200	14	2	0.76	8.38	74	200	Non-UL
C50205	14	3	0.76	8.89	112	200	Non-UL
C50210	14	4	0.76	9.91	147	200	Non-UL
C50215	14	5	0.76	10.92	182	200	Non-UL
C50220	14	7	0.76	12.07	256	200	Non-UL
C50230	14	12	0.76	16.64	436	200	Non-UL
C50300	12	2	0.76	9.14	100	200	Non-UL
C50305	12	3	0.76	9.78	150	200	Non-UL
C50310	12	4	0.76	10.80	198	200	Non-UL
C50315	12	5	0.76	11.94	247	200	Non-UL
C50320	12	7	0.76	13.21	344	200	Non-UL
C50330	12	12	0.76	18.29	585	200	Non-UL
C50400	10	2	1.14	12.19	170	200	Non-UL
C50405	10	3	1.14	13.08	253	200	Non-UL
C50410	10	4	1.14	14.35	330	200	Non-UL
C50415	10	5	1.14	16.51	435	200	Non-UL
C50420	10	7	1.14	18.16	557	200	Non-UL

