SRGT 200°C 600V UL 3568

CCC – Critical Circuit Cable, Felxible Silicone Rubber Glass Braid – FEP Jacket, Temp Rating 200°C

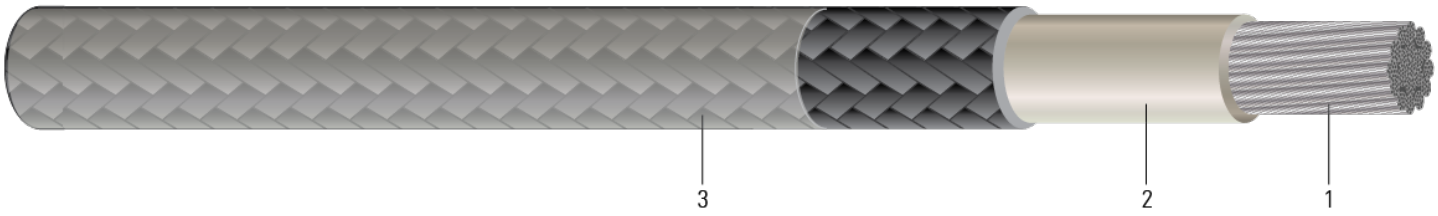

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Stranded tinned, annealed copper per ASTM B33
2. **Insulation:** Silicone Rubber
3. **Jacket:** A fiberglass braid jacket is applied over the insulation, then covered with an extruded FEP fluoropolymer jacket

APPLICATIONS AND FEATURES:

Used in environments where wire will come into contact with chemicals, oils or gas and where circuit integrity is required when exposed to flame, such as MOVs at refineries and petrochemical plants. Also used for critical circuits in steel mills, aluminum plants, paper mills and power generating facilities.

FEP Jacket provides excellent oil and chemical resistance, low coefficient of friction, improved moisture resistance and excellent electrical properties, flexible, and fungus resistant. Colors available upon request.

Product requires NPC conductor on 10 AWG and smaller in order to pass the Modified Mil-W-25038 Circuit Integrity Test.

SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- UL 44 VW-1 Vertical flame test on individual conductors
- UL 1277 Vertical Cable Tray Flame Tests (70,000 BTU/Hr)
- UL AWM Appliance wire approvals as listed in Table 1
- CSA AWM I A/B 600 FT1 FT2
- ICEA T-29-520 Flame Test (210,000 BTU/Hr)
- 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. Strands	Insul. Thickness	Braid	Jacket Thickness	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	strand	mil	mil	mil	inch	lb/1000ft	°C	Style/Type
C0T180	18	7	30	8	10	0.140	15	200	3568
C0T160	16	7	30	8	10	0.150	20	200	3568
C0T140	14	7	30	8	10	0.165	30	200	3568
C0T120	12	19	30	8	10	0.190	40	200	3568
C0T060	6	84	60	8	12	0.225	115	200	3568
C0T100	10	19	45	8	10	0.245	60	200	3568
C0T080	8	54	60	8	12	0.310	95	200	3568
C0T040	4	133	60	8	12	0.410	165	200	3568
C0T020	2	133	60	8	12	0.450	245	200	3568
C0T010	1	259	80	8	17	0.585	375	200	3568
C0T1T0	1/0	259	80	8	17	0.610	385	200	NA
C0T2T0	2/0	259	80	8	17	0.645	505	200	NA
C0T3T0	3/0	259	80	8	17	0.705	620	200	NA
C0T4T0	4/0	259	80	8	20	0.805	810	200	NA

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
Dimensions and weights for other cable configurations are available upon request.
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Strands	Insul. Thickness	Braid	Jacket Thickness	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	strand	mm	mm	mm	mm	kg/km	°C	Style/Type
C0T180	18	7	0.76	0.20	0.25	3.56	22	200	3568
C0T160	16	7	0.76	0.20	0.25	3.81	30	200	3568
C0T140	14	7	0.76	0.20	0.25	4.19	45	200	3568
C0T120	12	19	0.76	0.20	0.25	4.83	60	200	3568
C0T060	6	84	1.52	0.20	0.30	5.72	171	200	3568
C0T100	10	19	1.14	0.20	0.25	6.22	89	200	3568
C0T080	8	54	1.52	0.20	0.30	7.87	141	200	3568
C0T040	4	133	1.52	0.20	0.30	10.41	246	200	3568
C0T020	2	133	1.52	0.20	0.30	11.43	365	200	3568
C0T010	1	259	2.03	0.20	0.43	14.86	558	200	3568
C0T1T0	1/0	259	2.03	0.20	0.43	15.49	573	200	NA
C0T2T0	2/0	259	2.03	0.20	0.43	16.38	752	200	NA
C0T3T0	3/0	259	2.03	0.20	0.43	17.91	923	200	NA
C0T4T0	4/0	259	2.03	0.20	0.51	20.45	1205	200	NA

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