

SRGT 200°C 600V UL 3568

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

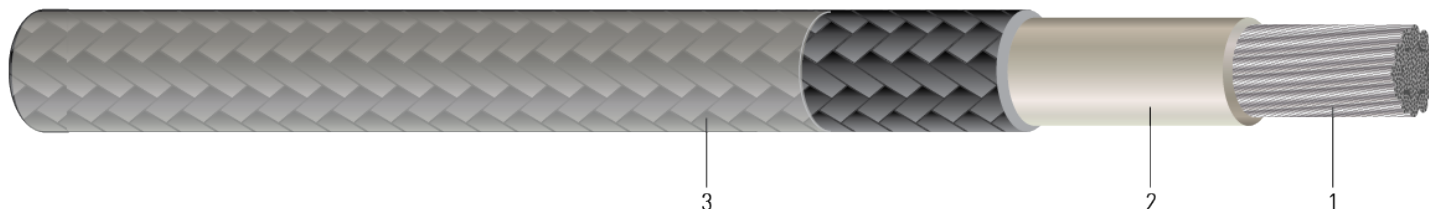


Image not to scale. See Table 1 for dimensions.

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



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com

Copyright © 2024 Southwire Company, LLC. All Rights Reserved



Southwire

**CABLETECH
SUPPORT™**

Services

UPDATED: Dec. 11, 2023, 9:29 p.m. UTC REVISION: 1.000.000

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
COT180	18	7/.0152	30	7.5	10	0.140	15	200	3568
COT160	16	7/.0192	30	7.5	10	0.150	20	200	3568
COT140	14	7/.0242	30	7.5	10	0.165	30	200	3568
COT120	12	19/.0179	30	7.5	10	0.190	40	200	3568
COT060	6	84/.0179	60	7.5	12	0.225	115	200	3568
COT100	10	19/.0234	45	7.5	10	0.245	60	200	3568
COT080	8	54/.0179	60	7.5	12	0.310	95	200	3568
COT040	4	133/.0177	60	7.5	12	0.410	165	200	3568
COT020	2	133/.0223	60	7.5	12	0.450	245	200	3568
COT010	1	259/.0177	80	7.5	17	0.585	375	200	3568
COT1T0	1/0	259/.0202	80	7.5	17	0.610	385	200	NA
COT2T0	2/0	259/.0229	80	7.5	17	0.645	505	200	NA
COT3T0	3/0	259/.0255	80	7.5	17	0.705	620	200	NA
COT4T0	4/0	259/.0286	80	7.5	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.

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
COT180	18	7/.0152	0.76	0.19	0.25	3.56	22	200	3568
COT160	16	7/.0192	0.76	0.19	0.25	3.81	30	200	3568
COT140	14	7/.0242	0.76	0.19	0.25	4.19	45	200	3568
COT120	12	19/.0179	0.76	0.19	0.25	4.83	60	200	3568
COT060	6	84/.0179	1.52	0.19	0.30	5.72	171	200	3568
COT100	10	19/.0234	1.14	0.19	0.25	6.22	89	200	3568
COT080	8	54/.0179	1.52	0.19	0.30	7.87	141	200	3568
COT040	4	133/.0177	1.52	0.19	0.30	10.41	246	200	3568
COT020	2	133/.0223	1.52	0.19	0.30	11.43	365	200	3568
COT010	1	259/.0177	2.03	0.19	0.43	14.86	558	200	3568
COT1T0	1/0	259/.0202	2.03	0.19	0.43	15.49	573	200	NA
COT2T0	2/0	259/.0229	2.03	0.19	0.43	16.38	752	200	NA
COT3T0	3/0	259/.0255	2.03	0.19	0.43	17.91	923	200	NA
COT4T0	4/0	259/.0286	2.03	0.19	0.51	20.45	1205	200	NA

