



Soft Silicone Rubber Multi Strand Cable – Single Core

Soft silicone rubber insulation has an outstanding thermal range which allows this cable to be used in applications that require a resistance to high temperatures. Silicone rubber is also very soft so flexibility can be maintained at low temperatures and where temperatures fluctuate rapidly without the cable becoming brittle and cracking.



SKU: [CON1198/CON1199](#)

Brief Data:

- Number of Core: 1.
- Wire Gauge: 16AWG
- Conductor Type: Multi Strand Tinned Copper.
- Insulation Material: Soft Silicone Rubber.
- Voltage Rating: 600V.
- Current Rating: 35A.
- Resistance: 25Ω/Km.
- Cross Sectional Area: 1.27 mm².
- Number of Strands: 252 x Ø0.08mm.
- Outer Cable Diameter: Ø3mm.
- Operating Temperature: -60°C ~ +200°C.

Cable Technical Data:

SILICONE CABLE DATA DETAILS							
Type/ Specification	Rated Current A	Nominal Area mm ²	Structure of Conductor No./φmm	Outer Diameter mm	Unit m/Roll	600V -60-200℃ Resistance Ω/km	8Kinds Colors
30AWG	0.8	0.06	11/0.08TS	1.2	300	331	R/B/W/B G/Y/B/O
28AWG	1.25	0.08	16/0.08TS	1.3	300	227.2	R/B/W/B G/Y/B/O
26AWG	3.5	0.14	30/0.08TS	1.5	300	123	R/B/W/B G/Y/B/O
24AWG	5.0	0.2	40/0.08TS	1.6	300	97.6	R/B/W/B G/Y/B/O
22AWG	8.7	0.3	60/0.08TS	1.7	300	88.6	R/B/W/B G/Y/B/O
20AWG	13.8	0.5	100/0.08TS	1.8	300	62.5	R/B/W/B G/Y/B/O
18AWG	22.0	0.75	150/0.08TS	2.3	200	39.5	R/B/W/B G/Y/B/O
16AWG	35.0	1.27	252/0.08TS	3.0	200	24.4	R/B/W/B G/Y/B/O
14AWG	55.6	2.07	400/0.08TS	3.5	200	15.6	R/B/W/B G/Y/B/O
12AWG	88.4	3.4	680/0.08TS	4.5	100	9.8	R/B/W/B G/Y/B/O
10AWG	140	5.3	1650/0.08TS	5.4	100	6.3	R/B/W/B G/Y/B/O

AWG - American Wire Gauge Table:

American Wire Gauge (#AWG)	Diameter (inches)	Diameter (mm)	Cross Sectional Area (mm²)
0000 (4/0)	0.460	11.7	107
000 (3/0)	0.410	10.4	85.0
00 (2/0)	0.365	9.27	67.4
0 (1/0)	0.325	8.25	53.5
1	0.289	7.35	42.4
2	0.258	6.54	33.6
3	0.229	5.83	26.7
4	0.204	5.19	21.1
5	0.182	4.62	16.8
6	0.162	4.11	13.3
7	0.144	3.67	10.6
8	0.129	3.26	8.36
9	0.114	2.91	6.63
10	0.102	2.59	5.26
11	0.0907	2.30	4.17
12	0.0808	2.05	3.31
13	0.0720	1.83	2.63
14	0.0641	1.63	2.08
15	0.0571	1.45	1.65
16	0.0508	1.29	1.31
17	0.0453	1.15	1.04
18	0.0403	1.02	0.82
19	0.0359	0.91	0.65
20	0.0320	0.81	0.52
21	0.0285	0.72	0.41
22	0.0254	0.65	0.33
23	0.0226	0.57	0.26
24	0.0201	0.51	0.20
25	0.0179	0.45	0.16
26	0.0159	0.40	0.13

This reference table is based on solid single wire, multi-strand wire may have difference value.



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