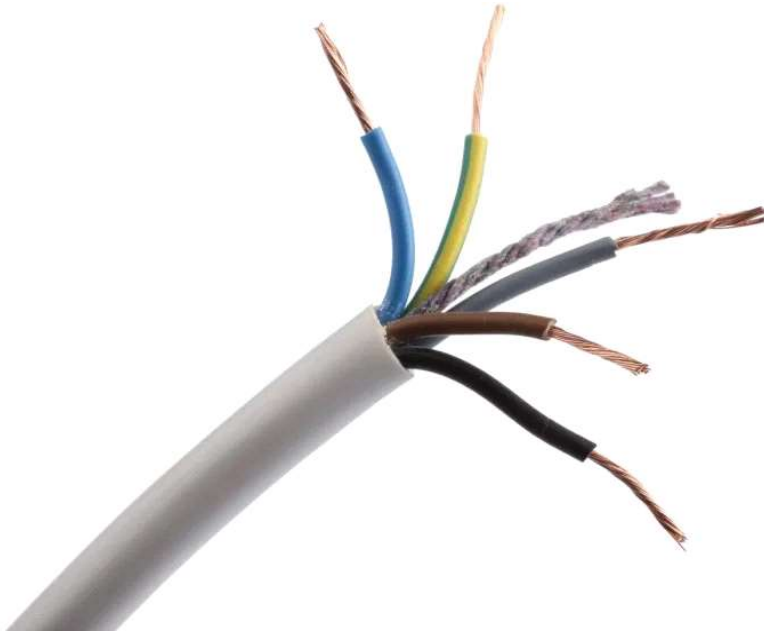


## SILICONE RUBBER CABLE



### What are Silicone Rubber Cables?

Silicone rubber cables are insulated with a particular type of rubber called silicone. This type of rubber is derived from silicone, a chemical element found abundantly in the Earth's crust. Silicone rubber is composed of silicon, oxygen, carbon, and hydrogen, giving it unique properties that make it highly suitable for various industrial applications. Silicone rubber cables are designed to provide excellent electrical conductivity, high-temperature resistance, and flexibility. These cables are commonly used in harsh environments where conventional cables may fail to perform. They are renowned for their capacity to withstand extreme temperatures, spanning from  $-40^{\circ}\text{C}$  to  $+250^{\circ}\text{C}$ , without compromising their functionality.

Nominal cross section	Strands x diameter	Outer diameter
SQ MM	REF. VALUE	MM
0.25	8 X 0.20	1.8
0.50	16 X 0.20	2.1
0.75	24 X 0.20	2.4
1.0	32 X 0.20	2.5
1.5	30 X 0.25	2.8
2.5	50 X 0.25	3.4
4.0	56 X 0.30	4.2
6.0	84 X 0.30	5.0
10	80 X 0.40	6.6
16	128 X 0.40	7.4
25	196 X 0.40	9.2
35	280 X 0.40	10.3
50	400 X 0.40	12.2
70	544 X 0.40	14.2

## APPLICATION:-

- Power cable, signal control cable, and computer cable used in high-temperature environments.
- Lead wires and lamp cap wires for electric heating appliances.
- Thermocouple temperature measuring cable.
- Ceramic fire-resistant cable.
- Locomotive and rolling stock line, marine cable, automobile ignition line, torsion-resistant cable for wind power.
- Aerospace and Aviation, Renewable Energy, Medical Equipment, Industrial Automation

## FEATURES:-

- The working temperature of the product is -40°C to 250°C .
- The voltage test of the finished multi-core cable should be subjected to AC 50HZ, the experimental Voltage of 2000V, and the 5mim test.
- When used in a long-term humid environment, it has superior electrical properties, waterproof and Mildew-proof properties.
- Excellent bending performance, the minimum bending radius is 16 times the outer diameter of the Cable, and it can be used movably.
- The cable has excellent electrical insulation performance, high temperature and low-temperature Resistance, and chemical stability.
- At the same time, it has the advantages of high voltage resistance, aging resistance, long service life, Softness, easy installation, Flame Retardancy and waterproof.
- Suitable for laying in acid-base, fungus, hot and humid environment and places with a lot of greases.

## Technical Data:-

Physical Properties	Units	Typical Values
Hardness, Shore A	SHORE A	60±5
Voltage Rating	V	0.5 TO 6.0 SQ MM 300/500 V
		10 SQ MM ABOVE 600/1000 V
Temperature Rating	°C	-80 TO 180