

SILICONE WIRES

DATASHEET

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Silicone Wires

INTRODUCTION

THE SILICONE WIRES ARE IDEAL FOR YOUR RC PROJECT. IN EVERYDAY LIFE WIRE SERVES PURPOSE OF CONNECTING TWO ELECTROMAGNETIC CIRCUITS BY ALLOWING FLOW OF ELECTRIC CHARGES THROUGH THEM. THESE WIRES WITH STRANDED COPPER CONDUCTORS CAN CARRY HIGH CURRENTS ACCORDING TO THEIR AWG STANDARDS. OUR PURCHASE MANAGERS HAVE GONE THROUGH A HUGE MARKET RESEARCH AND DECIDED TO BRING THESE HIGH-QUALITY SILICONE WIRES TO SERVE OUR CUSTOMER BY MAKING THEIR PROJECTS MUCH EFFICIENT.

THERE ARE SEVERAL ADVANTAGES OF USING THIS SILICONE WIRES SUPPLIED BY ROBU.IN AS FOLLOWS,

- THESE ARE SUPER FLEXIBLE CABLE THAT YOU CAN USE THEM IN COMPACT SPACES.
- THEY CAN WITHSTAND HIGH PRESSURES.
- HIGH COPPER STRAND COUNT.
- PURE SILICONE OUTER SHEATH MAKES THIS CABLES QUALITY PRODUCTS.

ROBU.IN
Demystifying Robotics

SPECIFICATION AND FEATURES

Wire size	Copper Diameter	Diameter	Coating Thickness	Outside Diameter	Resistance	Cross-sectional Area	Withstand Current	Unit Weight
AWG	mm	mm	mm	mm	Ω /km	mm ²	A	g/m
6AWG	3200*0.08	5.5	1.3	8.5	1.2	16	380	210
8AWG	1650*0.08	4	1.25	6.5	4.2	8.3	200	120
10AWG	1050*0.08	3.2	1.25	5.5	6.3	5.3	140.6	75
12AWG	680*0.08	2.6	1	4.5	9.8	3.4	88.4	50
14AWG	400*0.08	2	1.25	3.5	15.6	2	55.6	30
16AWG	252*0.08	1.53	0.8	3	24.4	1.27	35	19
18AWG	150*0.08	1.2	0.4	2	39.5	0.75	22	11
20AWG	100*0.08	1	0.4	1.8	52.5	0.5	13.87	8
22AWG	60*0.08	0.8	0.45	1.7	88.6	0.3	8.43	5.5
24AWG	40*0.08	0.7	0.45	1.6	97.6	0.2	5	4.2
26AWG	30*0.08	0.6	0.45	1.5	123	0.15	3.5	3.5
28AWG	16*0.08	0.4	0.45	1.3	227	0.08	1.25	3
30AWG	11*0.08	0.3	0.45	1.2	331	0.05	0.8	2

- **RATED VOLTAGE: 600V**
- **RATED TEMPERATURE: -60°C~+200°C**
- **CONDUCTOR: TINNED COPPER**
- **CONDUCTOR CONSTRUCTION: 1650/0.08**
- **INSULATION: SILICONE RUBBER**

NOTE: THE VALUES OF RESISTANCE IN ABOVE TABLE ARE SOLELY DEPENDENT UPON THE APPLICATIONS TEMPERATURE, AND HENCE THE CURRENT MAY ALSO GET SMALL DEVIATIONS FROM ACTUAL VALUES.