

CBAZY Silicone-wire-kit-18AWG-CA

CBAZY 18 AWG Hook Up Wire Kit Instruction Manual

Model: Silicone-wire-kit-18AWG-CA

1. INTRODUCTION

The CBAZY Hook Up Wire Kit provides a versatile solution for various general-purpose electrical applications. This kit features 18 AWG flexible silicone rubber electric wire, supplied in six distinct colors, with each color measuring 16.4 feet (5 meters) in length. The wires are designed for excellent electrical connectivity and durability.

Key features include:

- Product Name: Silicone rubber Electrical Wire Kit 18AWG / 18 gauge
- Voltage Rating: 600 Volts
- Rated Temperature: -60°C to +200°C
- Material: Silicone rubber, Tinning Copper (prevents oxidation, increases heat dissipation, prevents adhesion to insulation, easy to solder)
- Wire Length: 5 meters (16.4 feet) each color
- Colors Included: Red, Blue, Green, Yellow, Black, White

2. PRODUCT OVERVIEW

The Hook Up Wire Kit comes neatly packaged in a compact box designed for convenient storage and dispensing. Each of the six wire colors is individually spooled, ensuring organization and ease of use.



Figure 2.1: Overview of the CBAZY Hook Up Wire Kit, showing the packaging and the six distinct wire colors.

The wires feature stranded copper for good electrical connectivity and silicone rubber insulation for protection against abrasion, chemicals, oils, and solvents. This insulation also provides excellent uniformity, simplifying processing, stripping, and termination.



Figure 2.2: Close-up view of the individual spools of silicone wire, highlighting their vibrant colors and flexible nature.

3. SETUP

The wire kit is designed for easy dispensing directly from its packaging. Follow these steps to set up your wire kit:

1. Open the top flap of the wire kit box.
2. Locate the small, perforated holes on the front panel of the box, corresponding to each wire color.
3. For each wire color you intend to use, gently unhook or unknot the end of the wire from its spool inside the box.
4. Carefully feed the end of the wire through its corresponding hole on the front of the box. The colors on the box align with the wire colors for easy identification.
5. Once all desired wires are threaded, close the top flap of the box. The box now acts as a convenient dispenser, allowing you to pull out the required length of wire as needed.



Figure 3.1: The wire kit box configured as a dispenser, with individual wires pulled through their respective color-coded holes.

Video 3.1: Demonstrates the unboxing and setup of the CBAZY Hook Up Wire Kit, showing how to thread the wires through the

4. OPERATING INSTRUCTIONS

Using the CBAZY Hook Up Wire Kit is straightforward due to its flexible and durable design. Here are general guidelines for operation:

- **Cutting:** Pull the desired length of wire from the dispenser box and cut it using appropriate wire cutters.
- **Stripping:** The silicone insulation is designed to be easily stripped. Use a wire stripper or even fingernails for smaller gauges to expose the tinned copper conductor.
- **Soldering:** The tinned copper strands prevent oxidation and facilitate easy soldering, ensuring strong and reliable connections. The silicone insulation is highly heat-resistant, minimizing melting or shrinking during soldering.
- **Color-Coding:** Utilize the six different colors (Red, Blue, Green, Yellow, Black, White) to effectively color-code your circuits and projects, simplifying identification and troubleshooting.
- **Flexibility:** The silicone rubber insulation provides exceptional flexibility, allowing for tight bends and routing in confined spaces without compromising the wire's integrity.

5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your CBAZY Hook Up Wire Kit:

- **Storage:** Always store the wire spools within their original dispenser box. This keeps the wires organized, prevents tangling, and protects them from dust and physical damage.
- **Protection:** While the silicone insulation offers robust protection, avoid exposing the wires to extreme mechanical stress, sharp objects, or prolonged contact with highly corrosive chemicals beyond their rated resistance.
- **Cleanliness:** Keep the wires and the dispenser box clean and free from debris to prevent contamination during use.

6. TROUBLESHOOTING

This section addresses common questions and considerations regarding the Hook Up Wire Kit:

- **Wire Appears Thin:** The American Wire Gauge (AWG) system indicates wire thickness. A higher AWG number signifies a thinner wire. For example, 30 AWG wire is thinner than 18 AWG wire. This kit is 18 AWG, which is a common gauge for many electrical projects.
- **Insulation Softness:** The silicone rubber insulation is inherently soft and flexible, which is a desirable characteristic for ease of use and routing. This softness does not indicate a lack of durability or protective qualities; it is designed to be highly resistant to heat and various chemicals.
- **Difficulty Stripping:** While the silicone insulation is generally easy to strip, using a proper wire stripper matched to the 18 AWG size will provide the cleanest and most consistent results. For very fine wires (higher AWG), careful technique or specialized tools may be required.
- **Wire Length:** Each color spool provides 16.4 feet (5 meters) of wire. If longer continuous runs are needed, multiple segments can be spliced and soldered together, ensuring proper insulation.

7. SPECIFICATIONS

Specification	Detail
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Specification	Detail
Product Name	Silicone rubber Electrical Wire Kit
Model Number	Silicone-wire-kit-18AWG-CA
Brand	CBAZY
Gauge	18 AWG
Voltage Rating	600 Volts
Rated Temperature	-60°C to +200°C
Material	Silicone Rubber, Tinned Copper
Wire Length (per color)	5 meters (16.4 feet)
Number of Colors	6 (Red, Blue, Green, Yellow, Black, White)
Number of Cable Strands	18
Item Weight	14.6 ounces
Product Dimensions	5.71 x 2.76 x 2.76 inches
UPC	709327335887, 605826793015
First Available Date	July 6, 2017

8. WARRANTY AND SUPPORT

Specific warranty information for the CBAZY Hook Up Wire Kit is not provided in this manual. For details regarding product warranty, returns, or technical support, please refer to the product listing page or contact CBAZY customer service directly.

You can visit the official CBAZY store for more products and information: [CBAZY Store on Amazon](#).