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EX ELECTRONIX EXPRESS Authentic Stranded

Instruction Manual

Brand: EX ELECTRONIX EXPRESS
Model: Authentic Stranded

1. Product Overview

The EX ELECTRONIX EXPRESS Hook Up Wire Kit provides a versatile solution for various electrical and hobbyist projects. This kit includes six spools of 22-gauge tinned copper stranded wire, each 25 feet in length, in distinct colors for easy identification and organization.

- Six 22 Gauge Stranded Wire Spools by Electronix Express
- Each wire spool is 25 feet in length - 6 Colors: Red, Black, Green, Yellow, Blue, and White
- Insulation: PVC .010"
- Voltage Rating: 300 Volts
- Resistant to water, oil - also flame retardant

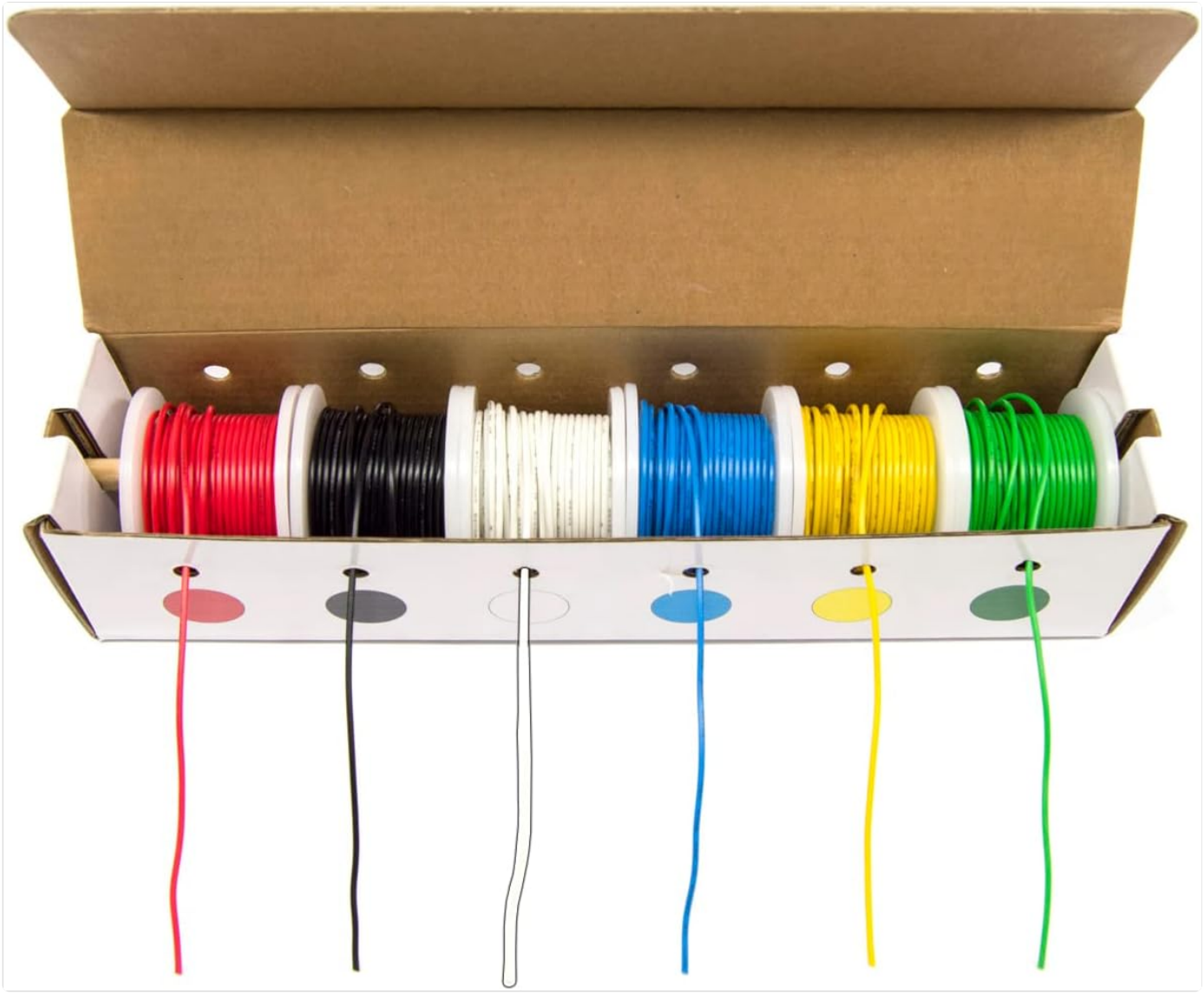


Figure 1: The Hook Up Wire Kit, showcasing the six spools of colored wire (red, black, white, blue, yellow, green) neatly arranged within their cardboard dispensing box, with wires extending from the front holes.

2. Setup

The Hook Up Wire Kit is designed for immediate use with minimal setup. The wires are pre-spooled and housed within a convenient dispensing box.

1. **Unboxing:** Carefully remove the wire kit from its packaging. The cardboard dispensing box is designed to hold the spools securely.
2. **Wire Dispensing:** The box features pre-cut holes on the front and back. For optimal dispensing, feed the end of the desired colored wire through the corresponding hole on the front of the box. This allows for easy pulling and cutting of wire lengths while keeping the remaining spools organized.
3. **Storage:** When not in use, ensure the wire ends are secured to prevent tangling. The box can be closed to protect the spools from dust and damage.



Figure 2: A top-down view of the wire kit, showing the six colored wires (green, yellow, blue, white, black, red) extended through the designated holes on the front of the dispensing box, ready for use.

3. Operating Instructions

This hook-up wire is suitable for a wide range of low-voltage electrical applications, including prototyping, circuit building, and general wiring tasks.

- **Cutting:** Use appropriate wire cutters to cut the desired length of wire from the spool.
- **Stripping:** The PVC insulation is designed to be easily stripped using standard wire strippers. Ensure the correct gauge setting (22 AWG) is used to avoid damaging the tinned copper strands.
- **Connection:** The tinned copper strands are highly solderable, making them ideal for soldering to circuit boards, components, or other wires. They can also be used with crimp connectors or terminal blocks.
- **Color Coding:** Utilize the six different colors (Red, Black, Green, Yellow, Blue, White) to maintain organized and easily identifiable wiring in your projects. This is particularly useful for distinguishing power, ground, and signal lines.



Figure 3: An angled view of the wire kit, showing the spools inside the box and the colored wires extending from the front, illustrating the ease of access for various projects.



Figure 4: A detailed view of the individual wire spools within the dispensing box, highlighting the different colors and the tinned copper wire.

4. Maintenance

Proper maintenance ensures the longevity and performance of your wire kit.

- **Storage:** Store the wire kit in a cool, dry place away from direct sunlight and extreme temperatures. This helps preserve the integrity of the PVC insulation and the tinned copper.
- **Protection:** Keep the dispensing box closed when not in use to prevent dust, debris, or moisture from affecting the wire.
- **Handling:** Avoid sharp bends or excessive pulling on the wires, especially near the dispensing holes, to prevent damage to the insulation or internal strands.



Figure 5: The wire kit with its lid closed, demonstrating how the wires can still be accessed through the front holes for continued use while keeping the spools protected.

5. Troubleshooting

While this wire kit is designed for reliability, here are some common considerations for electrical projects:

- **Wire Damage:** If a wire appears frayed, kinked, or has damaged insulation, do not use it. Cut a new section of wire.
- **Soldering Issues:** Ensure your soldering iron is at the correct temperature and the wire ends are clean for effective soldering. The tinned copper is designed for good solderability.
- **Voltage/Current Compatibility:** Always verify that the 22-gauge wire is appropriate for the voltage (up to 300V) and current requirements of your specific application. Using wire that is too thin for the current can lead to overheating.
- **Insulation Melting:** While the PVC insulation is durable, prolonged direct contact with a hot soldering iron can cause it to melt. Work quickly and carefully when soldering.

6. Specifications

Feature	Detail
Brand	EX ELECTRONIX EXPRESS
Model Number	Authentic Stranded
Wire Gauge	22 AWG
Wire Length (per spool)	25 feet
Number of Spools	6
Colors Included	Red, Black, Green, Yellow, Blue, White
Material	Tinned Copper (Stranded)
Number of Cable Strands	10
Insulation Material	PVC (.010")
Voltage Rating	300 Volts
Resistance	Water, Oil, Flame Retardant
Item Weight	13.1 ounces
Product Dimensions	10 x 2.25 x 2.25 inches

7. Warranty and Support

Warranty information for the EX ELECTRONIX EXPRESS Hook Up Wire Kit is not explicitly provided in this manual. For details regarding product warranty, returns, or technical support, please refer to the product listing on the retailer's website or contact EX ELECTRONIX EXPRESS directly through their official channels.

You may visit the EX ELECTRONIX EXPRESS Store on Amazon for more information.

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