MIAOSHE CGFDFEDCJ-BLUE-5METERS16AWG

MIAOSHE UL1007 Tinned Copper PVC Electrical Wire User Manual

Model: CGFDFEDCJ-BLUE-5METERS16AWG

Product Overview

This manual provides essential information for the safe and effective use of your MIAOSHE UL1007 Tinned Copper PVC Electrical Wire. This product is designed for internal wiring of electrical and electronic equipment.
Key features include:

- Insulation: PVC
- Rated Voltage: 300 V
- Rated Temperature: 80°C
- Conductor: Tinned copper (oxygen-free copper)
- High conductivity and low resistance for easy soldering and connection.
- Resistant to acids, alkalis, oil, moisture, and mildew.
- Standard thickness, easy to peel and cut.

Image: A selection of MIAOSHE UL1007 Tinned Copper PVC Electrical Wires in various colors, showcasing the product's appearance.

Setup and Installation

Before beginning any installation, ensure that the power supply to the equipment is completely turned off. This is a critical safety measure to prevent electrical shock or damage to components.
The UL1007 wire is suitable for internal wiring applications in electrical and electronic equipment. When preparing the wire for connection:

1. Carefully strip the PVC insulation to expose the tinned copper conductor. The standard thickness of the insulation makes it easy to peel.
2. Ensure the stripped length is appropriate for the terminal or connection point.
3. Twist the exposed tinned copper strands tightly to prevent fraying before insertion into terminals or soldering.

Image: A close-up view of several electrical wires with their PVC insulation stripped back, revealing the tinned copper conductor strands ready for connection.

Image: A diagram illustrating the components of the wire, specifically pointing out the "Tinned Copper Wire" and "PVC Insulator" for clarity.

Operating Guidelines

This electrical wire is designed for internal wiring applications within various electrical and electronic devices. Its high conductivity and low resistance ensure efficient power transmission and signal integrity.
The wire is suitable for use in dry conditions, both indoors and outdoors, for domestic and commercial applications.
Always ensure that the wire's specifications (voltage, temperature, AWG) match the requirements of your application to ensure safe and reliable operation.

Image: A bundle of MIAOSHE UL1007 electrical wires, showcasing the variety of colors available and their flexible nature.

Maintenance

The MIAOSHE UL1007 Tinned Copper PVC Electrical Wire is designed for durability and minimal maintenance. Its PVC insulation provides resistance to acids, alkalis, oil, moisture, and mildew, contributing to a long service life.
Once installed correctly, no routine maintenance is typically required. Periodically inspect visible wiring for any signs of physical damage, wear, or exposure, especially in environments subject to vibration or extreme conditions. If any damage is observed, replace the affected section of wire immediately after disconnecting power.

Troubleshooting

Given the nature of electrical wire, troubleshooting typically involves identifying issues related to connectivity or insulation integrity. If you experience problems with your electrical circuit or device after wiring:

- **No Power/Intermittent Power:** Check all connections for tightness and proper contact. Ensure the wire is correctly stripped and inserted into terminals. Verify that the wire gauge (AWG) is appropriate for the current load.

- **Short Circuit:** Immediately disconnect power. Inspect the wire for any exposed conductors that might be touching other wires or conductive surfaces. Ensure insulation is intact and not damaged.
- **Overheating:** If the wire feels hot, it may be overloaded. Ensure the wire's current rating (based on AWG) is sufficient for the application. Consult the specifications table.

For complex electrical issues, it is highly recommended to consult a qualified electrician or electronics technician.

Specifications

The following table details the technical specifications for the UL1007 PVC Electrical Wire:

UL1007 Specification Table

Size	Outer Diameter	Conductor NO.	Current	Temperature	Voltage
30AWG	1.1mm	7/0.11TS	0.60A	80°C	300V
28AWG	1.2mm	7/0.12TS	0.65A	80°C	300V
26AWG	1.3mm	7/0.12TS	0.70A	80°C	300V
24AWG	1.4mm	11/0.12TS	1.00A	80°C	300V
22AWG	1.6mm	17/0.12TS	1.55A	80°C	300V
20AWG	1.8mm	21/0.14TS	2.60A	80°C	300V
18AWG	2.0mm	34/0.14TS	4.20A	80°C	300V
16AWG	2.4mm	26/0.25TS	10.20A	80°C	300V

Note: Tolerance: ±0.2mm. The specification sheet is for reference only.

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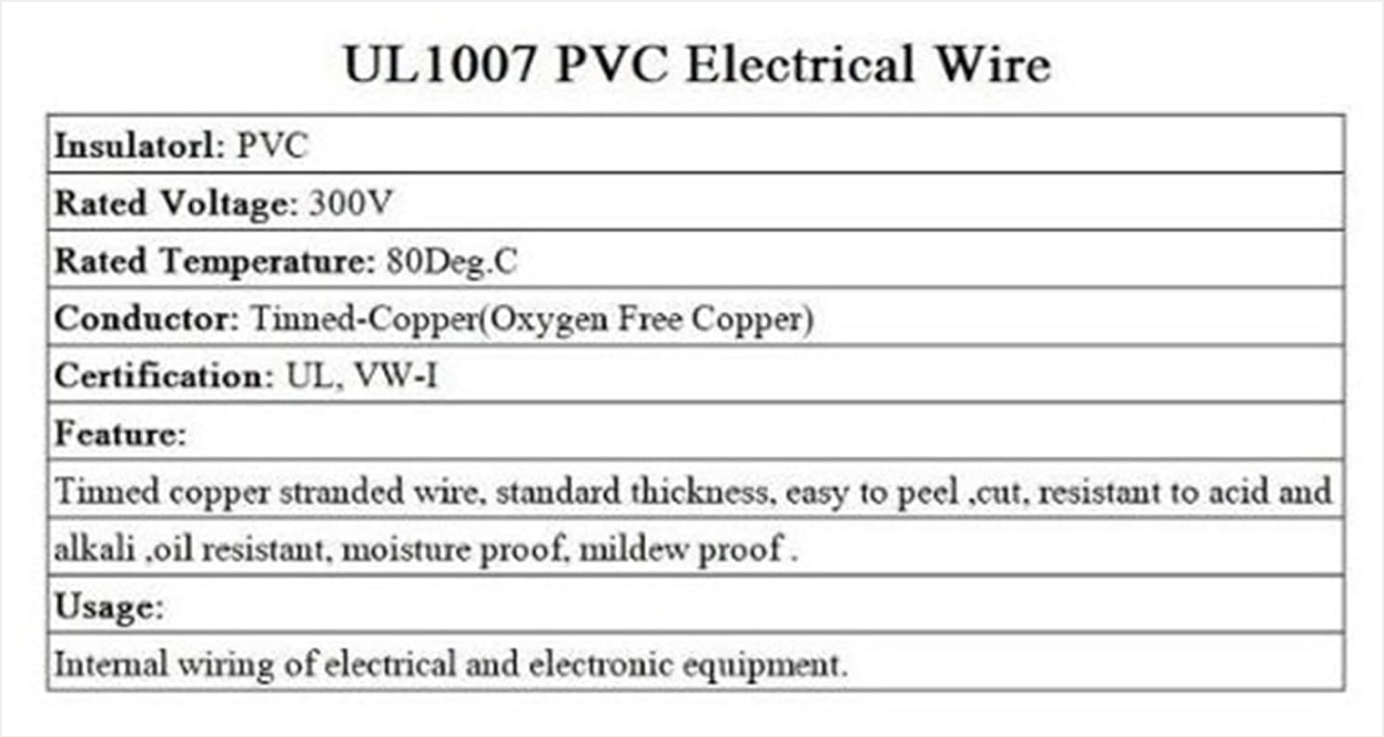
16AWG	2.4mm	26/0.25TS	10.20A	80°C	300V
Tolerance:±0.2mm.The specification sheet is for reference only.					

Image: A detailed table outlining the UL1007 specifications, including size (AWG), outer diameter, conductor number, current, temperature, and voltage ratings.

Additional product specifications:

- **Manufacturer:** MIAOSHE
- **Model Number:** CGFDFEDCJ-BLUE-5METERS16AWG
- **ASIN:** B0CTLFYJVZ
- **Country of Origin:** China
- **Dimensions:** 3 x 2 x 1 cm; 100 grams (for packaging)
- **First Available:** January 31, 2024



UL1007 PVC Electrical Wire

Insulatorl: PVC
Rated Voltage: 300V
Rated Temperature: 80Deg.C
Conductor: Tinned-Copper(Oxygen Free Copper)
Certification: UL, VW-I
Feature:
Tinned copper stranded wire, standard thickness, easy to peel ,cut, resistant to acid and
alkali ,oil resistant, moisture proof, mildew proof .
Usage:
Internal wiring of electrical and electronic equipment.

Image: A table providing a summary of the UL1007 PVC Electrical Wire's insulator, rated voltage, rated temperature, conductor type, certification, features, and usage.

Warranty and Support

Specific warranty information for this product is not provided in the available data. For any inquiries regarding product support, technical assistance, or warranty claims, please contact the seller directly through the platform where the purchase was made.

Always refer to your purchase documentation for details on return policies and seller contact information.