

## Focket Focket3anewfcxk4

# Focket Electric Scooter Motor Wire Harness

## USER MANUAL - MODEL FOCKET3ANEWFCXK4

### 1. INTRODUCTION

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Thank you for choosing the Focket Electric Scooter Motor Wire Harness. This manual provides essential information for the proper installation, operation, and maintenance of your new motor wire harness. Please read this manual thoroughly before use to ensure optimal performance and safety.

### 2. PRODUCT OVERVIEW

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The Focket Electric Scooter Motor Wire Harness is designed to provide a reliable and sensitive connection for high-power electric scooter motors. Constructed from premium copper core material, it ensures excellent electrical conductivity and durability. Its compact design facilitates easy handling and storage, making it an ideal replacement or repair component for your electric scooter's motor wheel harness.

#### Key Features:

- **High Sensitivity Copper Core:** Ensures robust and long-lasting electrical connections.
- **Compact and Portable:** Easy to carry, store, and install.
- **Strong Compatibility:** Suitable for high-power motors, featuring 2.5mm<sup>2</sup> 3-phase wires and 6 Hall wires.
- **Professional Manufacturing:** Designed for high reliability and precise performance.



**Professional manufacturing, high sensitivity**

**Reliable connection and easy to use**

**Suitable for high power motor**

**White color can be connected to temperature control and speed**



Image 1: The Focket Electric Scooter Motor Wire Harness, highlighting its professional manufacturing, high sensitivity, reliable connection, ease of use, and suitability for high power motors. The white wire can be connected for temperature control and speed regulation.



**Electric Scooter Motor Cable, Copper core material**  
**Excellent electrical conductivity, not easy to aging and cracking**  
**Stable performance, Small size, easy to carry and store**



Image 2: The electric scooter motor cable, emphasizing its copper core material, excellent electrical conductivity, resistance to aging and cracking, stable performance, small size, and ease of transport and storage.



Image 3: A detailed view of the Focket Electric Scooter Motor Wire Harness, showing the main cable, the white connector, and the individual colored Hall wires with their terminals.



Image 4: An alternative perspective of the Focket Electric Scooter Motor Wire Harness, displaying the cable's flexibility and the arrangement of its various connectors and wires.



Image 5: A close-up shot of the protective coil section on the Focket Electric Scooter Motor Wire Harness, indicating reinforced durability at a critical point.

### 3. SPECIFICATIONS

Feature	Detail
Item Package Dimensions L x W x H	5.75 x 4.69 x 1.42 inches
Package Weight	0.11 Kilograms
Item Weight	126 Grams
Brand Name	Focket
Model Name	Focket3anewfcxk4
Color	White (connector)
Material	Copper core

Feature	Detail
Application	High power motors, 2.5mm <sup>2</sup> 3-phase lines, 6 Hall lines
Special Feature	White wire for temperature control and speed regulation

## 4. INSTALLATION AND SETUP

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This motor wire harness is designed for electric scooter motor drives. Proper installation is crucial for safety and functionality. It is recommended that installation be performed by a qualified technician or an individual with experience in electric scooter maintenance.

### Installation Steps:

- Safety First:** Ensure the electric scooter is powered off and the battery is disconnected before beginning any installation work.
- Identify Connections:** Locate the existing motor wire harness on your electric scooter. Note the connections for the 3-phase wires and the 6 Hall wires.
- Remove Old Harness (if replacing):** Carefully disconnect the old motor wire harness, paying attention to the color coding and pin configuration.
- Connect New Harness:** Connect the Focket motor wire harness to the corresponding ports on your electric scooter's motor and controller. Ensure the 2.5mm<sup>2</sup> 3-phase wires and the 6 Hall wires are correctly matched. The white wire can be connected for temperature control or speed regulation, if your system supports these features.
- Secure Connections:** Ensure all connections are firm and secure to prevent accidental disconnections during operation.
- Cable Management:** Route the cable neatly and secure it to prevent snagging or damage during scooter use.
- Test Functionality:** Reconnect the battery and power on the scooter. Perform a low-speed test to verify proper motor function and responsiveness before full use.

**Warning: Incorrect wiring can cause damage to the motor, controller, or battery, and may pose a safety risk. If you are unsure about any step, seek professional assistance.**

## 5. OPERATION

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Once correctly installed, the Focket Electric Scooter Motor Wire Harness operates passively as an integral part of your scooter's electrical system. It facilitates the transmission of power from the controller to the motor and sends Hall sensor signals from the motor back to the controller, enabling precise motor control and efficient operation.

No direct user interaction is required with the wire harness itself during scooter operation. Its function is to ensure a stable and reliable connection between the motor and the control unit.

## 6. MAINTENANCE

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Regular inspection and basic maintenance can extend the lifespan of your motor wire harness and ensure continued safe operation of your electric scooter.

### Maintenance Tips:

- Visual Inspection:** Periodically check the entire length of the wire harness for any signs of wear, cuts,

abrasions, or kinks.

- **Connector Check:** Ensure all connectors remain securely plugged in and free from corrosion or debris.
- **Cleanliness:** Keep the wire harness clean and free from excessive dirt, dust, or moisture. Use a dry cloth for cleaning.
- **Avoid Stress:** Do not pull or yank on the wires. Ensure they are not subjected to excessive bending or stretching, especially near connectors.
- **Environmental Protection:** While the harness is durable, avoid prolonged exposure to extreme temperatures, direct sunlight, or harsh chemicals.

## 7. TROUBLESHOOTING

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If you experience issues with your electric scooter's motor, the wire harness may be a contributing factor. Here are some basic troubleshooting steps:

### Common Issues and Solutions:

- **Motor Not Responding:**
  - Check all connections of the motor wire harness to ensure they are fully seated.
  - Inspect the wires for any visible damage (cuts, pinches).
  - Verify that the Hall sensor wires are correctly connected, as incorrect Hall connections can prevent motor rotation.
- **Intermittent Motor Operation:**
  - This could indicate a loose connection. Gently wiggle each connector while the scooter is powered off to check for looseness.
  - Look for signs of corrosion on the connector pins, which can cause poor contact.
- **Motor Overheating (if white wire is connected for temperature control):**
  - Ensure the white temperature control wire is correctly connected and functioning.
  - Check for any obstructions to motor cooling.

**If troubleshooting steps do not resolve the issue, or if you suspect internal damage to the wire harness, motor, or controller, consult a professional electric scooter repair service.**

## 8. PRODUCT VIDEO

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Your browser does not support the video tag.

Video: An overview of an Ebike Cable Connector, demonstrating its features and components. This video provides a visual reference for similar motor cable connections.

## 9. WARRANTY AND SUPPORT

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Focket is committed to customer satisfaction. If you have any questions regarding your purchase, installation, or operation of the Electric Scooter Motor Wire Harness, please do not hesitate to contact our customer service. We aim to provide a professional and detailed reply within 24 hours.

For support, please refer to the contact information provided with your purchase or visit the official Focket brand store online.

