Varstrom 5PIN Extension Cable(MM)

Varstrom 5PIN Waterproof Extension Cable User Manual

Model: 5PIN Extension Cable(MM)

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Varstrom 5PIN Waterproof Extension Cable. Please read these instructions carefully before use to ensure optimal performance and safety.

PRODUCT OVERVIEW

The Varstrom 5PIN Waterproof Extension Cable is designed to extend the reach of ebike display and computer cables, particularly useful for BAFANG BBS01, BBS02, HD Mid Drive Kits, and Hub Motor Kits. It is ideal for electric bikes, tricycles, and recumbent bikes where a longer cable connection is required.

- **Brand:** Varstrom
- **Model:** Double-ended waterproof signal line (5PIN Male to Male)
- **Temperature Range:** -40 °C to +85 °C
- **Waterproof Grade:** IP65
- **Cable Length:** 55.7 cm / 21.9 inches (excluding connectors)
- **Weight:** Approximately 10g
- **Application:** Compatible with ebike displays of ebike conversion kits.

This cable features high-quality materials, including pure copper and gold-plated contacts, ensuring stable signal transmission and durability. The waterproof connector protects against moisture, enhancing longevity in various weather conditions.

Figure 1: Varstrom 5PIN Waterproof Extension Cable (Male to Male).

SPECIFICATIONS

Feature	Detail
Brand	Varstrom
Model Number	5PIN Extension Cable(MM)
Connection Type	5PIN Male to Male
Cable Length	55.7 cm / 21.9 inches (excluding connector)
Waterproof Grade	IP65
Temperature Range	-40 °C to +85 °C
Material	Plastic (housing), Pure Copper (wire), Gold-plated (contacts)
Compatibility	BAFANG BBS01, BBS02, HD Mid Drive Kit & Hub Motor Kits, Ebike Displays

9mm

36mm

9mm

9mm

36mm

9mm

50.6cm/19.9inch

Figure 2: Detailed dimensions of the 5PIN extension cable.

RESILIENT DESIGN

Figure 3: Illustration of the cable's resilient design, high toughness material, and bold copper wire.

SETUP AND INSTALLATION

1. **Identify Connection Points:** Locate the existing 5PIN male or female connectors on your ebike display/computer and the motor kit that require extension.

2. **Check Compatibility:** Ensure that the connectors on your existing components are 5PIN and match the male-to-male configuration of this extension cable. *This cable is designed for direct extension and does not convert incompatible pinouts.*

3. **Connect the Cable:** Align the male connector of the extension cable with the female connector of your ebike component, and the other male connector of the extension cable with the female connector of the other ebike component. Push firmly until a secure connection is made. The waterproof design ensures a snug fit.

4. **Secure the Connection:** Ensure both ends of the extension cable are fully seated and the waterproof seals are engaged.

5. **Route the Cable:** Carefully route the extended cable along your bike frame, securing it with cable ties if necessary, to prevent snagging or damage during riding.

EASY TO CONNECT

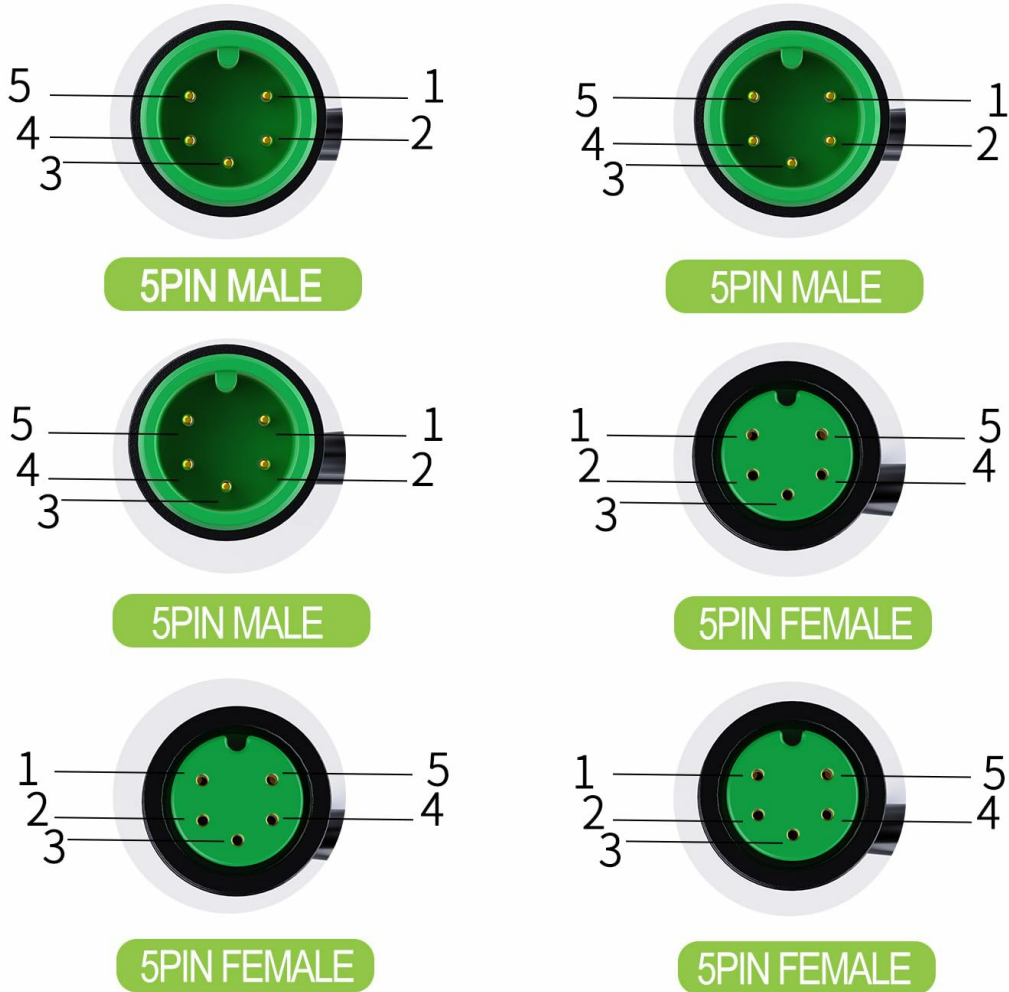Figure 4: Visual guide for connecting the extension cable.

Figure 5: Pinout diagrams for 5PIN male and female connectors. Ensure your existing connectors match the pin configuration.

OPERATING INSTRUCTIONS

Once properly installed, the Varstrom 5PIN Waterproof Extension Cable operates passively. It extends the signal path between your ebike display/computer and the motor kit without requiring any user interaction. The cable is designed to maintain stable signal transmission for the connected components.

Connection

5PIN MALE

5PIN MALE

5PIN MALE

5PIN FEMALE

5PIN FEMALE

5PIN FEMALE

⚠ It is only used as an extension cord, not a conversion cord. Please make sure your two products are compatible before using this cord to extend them.

Figure 6: Example of the extension cable integrated into an ebike setup.

MAINTENANCE

The Varstrom 5PIN Waterproof Extension Cable requires minimal maintenance due to its durable construction and IP65 waterproof rating.

- **Cleaning:** Periodically wipe the cable and connectors with a damp cloth to remove dirt and debris. Avoid using harsh chemicals.

- **Inspection:** Regularly inspect the cable for any signs of wear, cuts, or damage to the outer sheath. Check the connectors for corrosion or bent pins.

- **Waterproof Integrity:** The IP65 rating ensures protection against dust and low-pressure water jets. While highly resistant, avoid submerging the connectors in water for extended periods.

Figure 7: The waterproof design ensures reliable connection in various conditions.

TROUBLESHOOTING

- **No Signal/Intermittent Connection:**
  - Ensure both ends of the extension cable are fully and securely connected.
  - Verify that the original components (display, motor kit) are functioning correctly without the extension cable.
  - Check for any visible damage to the cable or connectors.

- **Incompatibility:**
  - This extension cable is designed for 5PIN male-to-male connections. If your existing connectors have a different pin configuration or are not 5PIN, this cable will not function as a converter.
  - Always confirm the pinout and connector type of your existing components before purchasing and installing an extension cable.

IMPORTANT NOTICES

Please note:

- This cable serves solely as an extension. It does not convert incompatible connectors or pin configurations.

- Always ensure that the connectors between the two products you intend to extend are identical in type and pinout for proper functionality.

- Improper connection or use with incompatible components may lead to malfunction or damage.

SUPPORT AND CONTACT

For further assistance, technical support, or inquiries regarding your Varstrom 5PIN Waterproof Extension Cable, please contact the seller or visit the official Varstrom store.
Seller: Greenergia
Varstrom Store: Visit Varstrom Store on Amazon