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BETA FPV 01130004

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Brand: BETA FPV | Model: 01130004

1. PRODUCT OVERVIEW

The BETA FPV BT2.0 Double Connectors Cable is a specialized pigtail designed for 2S FPV Whoop Drones, such as the Cetus X 2S. This package includes 5 cables, each featuring a BT2.0 connector with a 1.0mm banana connector, 45mm in length, and made with 22AWG wire. The BT2.0 connector is engineered to reduce internal resistance, providing a more efficient power discharge and an improved flight experience for compatible drones.

Key Features:

- Specifically designed for 2S whoop drones like Cetus X 2S brushless drones.
- BT2.0 connector features 1.0mm banana connectors, reducing internal resistance.
- Supports 9A continuous current and 15A burst current for enhanced performance.
- Addresses voltage sag issues, leading to more efficient 1S LiPo battery discharge.
- Allows for longer flight times without frequent low voltage warnings.
- Each cable measures 45mm in length (excluding the plug) and uses 22AWG wire.

2. SAFETY INFORMATION

This product contains small parts which may pose a choking hazard. Keep out of reach of small children. Always handle electronic components with care to prevent damage or injury.



Image: Product packaging displaying safety warnings regarding small parts and manufacturer details.

3. PACKAGE CONTENTS

The package includes the following items:

- 5 x 2S Whoop Cable Pigtail (BT 2.0)

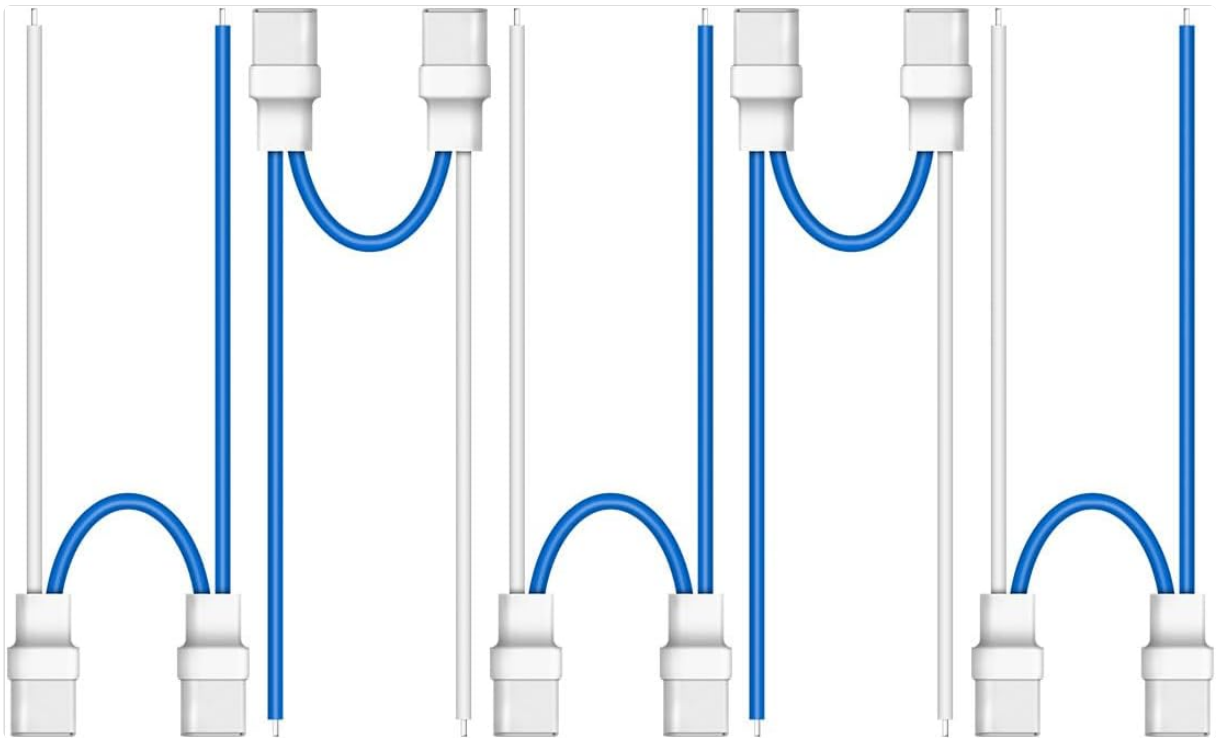


Image: A set of five BT2.0 Double Connector Cables, illustrating the product quantity.

4. SETUP AND CONNECTION

Proper connection of the BT2.0 cable pigtail is essential for safe and optimal performance with your 2S FPV Whoop Drone.

Wiring Diagram and Polarity:

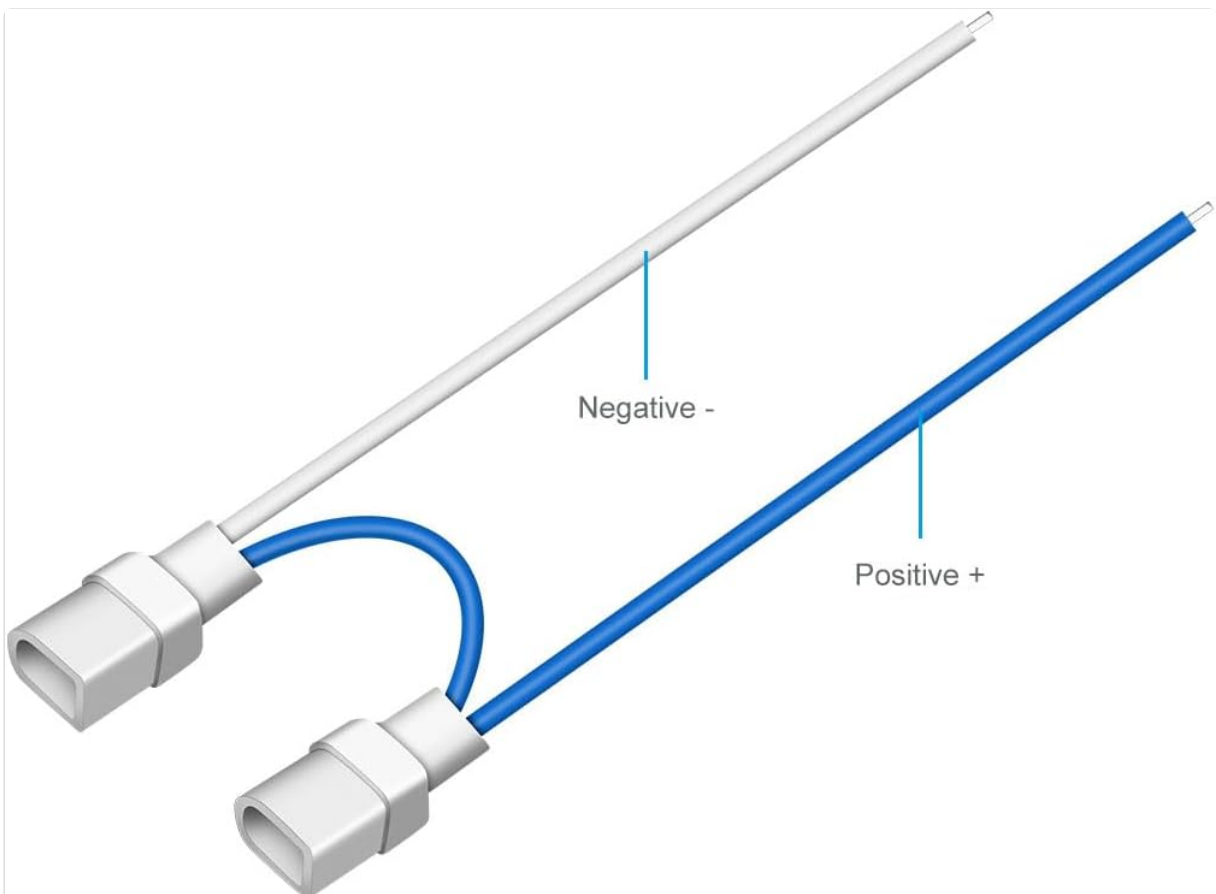


Image: A detailed view of the BT2.0 connector cable, indicating that the blue wire is the Positive (+) pole and the white wire

is the Negative (-) pole.

- **Blue Wire:** Represents the Positive (+) pole.
- **White Wire:** Represents the Negative (-) pole.

Connection Steps:

1. Identify the positive and negative terminals on your 2S FPV Whoop Drone's flight controller or power distribution board.
2. Carefully solder the blue wire of the BT2.0 pigtail to the positive (+) terminal.
3. Carefully solder the white wire of the BT2.0 pigtail to the negative (-) terminal.
4. Ensure all solder joints are secure and free from short circuits.
5. After soldering, connect your BT2.0 compatible battery to the pigtail.

Note: Incorrect polarity can cause severe damage to your drone's electronics. Always double-check connections before powering on your device.

5. OPERATING INSTRUCTIONS

Once the BT2.0 Double Connectors Cable is correctly installed, it functions as the power interface for your 2S FPV Whoop Drone. Connect a compatible 2S LiPo battery equipped with a BT2.0 connector to the pigtail. The enhanced design of the BT2.0 connector helps to minimize voltage sag during high current draw, providing a more stable power supply and improved flight performance. Ensure the battery is fully charged before use.

6. MAINTENANCE

To ensure the longevity and reliable performance of your BT2.0 cables, follow these maintenance guidelines:

- **Inspect Regularly:** Periodically check the cables and connectors for any signs of wear, fraying, or damage.
- **Clean Connections:** Keep the connector pins clean and free from dirt or debris. Use a soft, dry brush if necessary.
- **Avoid Stress:** Do not pull on the wires when disconnecting; always grasp the connector housing. Avoid sharp bends or excessive tension on the cables.
- **Proper Storage:** Store cables in a dry, cool place away from direct sunlight and extreme temperatures.
- **Replace Damaged Cables:** If a cable shows significant wear or damage, replace it immediately to prevent potential electrical issues or drone malfunction.

7. TROUBLESHOOTING

If you encounter issues with your BT2.0 Double Connectors Cable, consider the following:

- **Drone Not Powering On:**
 - Check for correct polarity (Blue: Positive, White: Negative).
 - Inspect solder joints for cold joints or shorts.
 - Ensure the battery is charged and functioning correctly.

- Verify the BT2.0 connector on the battery is clean and undamaged.
- **Excessive Voltage Sag / Reduced Performance:**
 - Ensure the BT2.0 connector is fully seated.
 - Check for any corrosion or damage on the connector pins.
 - Confirm the battery itself is in good condition and capable of delivering the required current.
 - Verify that the cable gauge (22AWG) is appropriate for your drone's power requirements.
- **Loose Connection:**
 - If the connector feels loose, inspect for physical damage to the plastic housing or banana pins.
 - Ensure the connector is fully inserted.

8. SPECIFICATIONS

Specification	Value
Item	2S Whoop Cable Pigtail (BT 2.0)
Connector Type	BT2.0 (1.0mm Banana Connector)
Cable Gauge	22AWG
Cable Length	45mm (1.77 inches) (Not including the plug)
Total Length (approx.)	55mm (2.17 inches) (Including connectors)
Weight	1.5g (0.053 ounces)
Continuous Current	9A
Burst Current	15A
Positive Pole Color	Blue
Negative Pole Color	White
Product Dimensions	2.7"L x 3.9"W x 0.03"H
Manufacturer	BETAFPV
Model Number	01130004

BT2.0 Connector

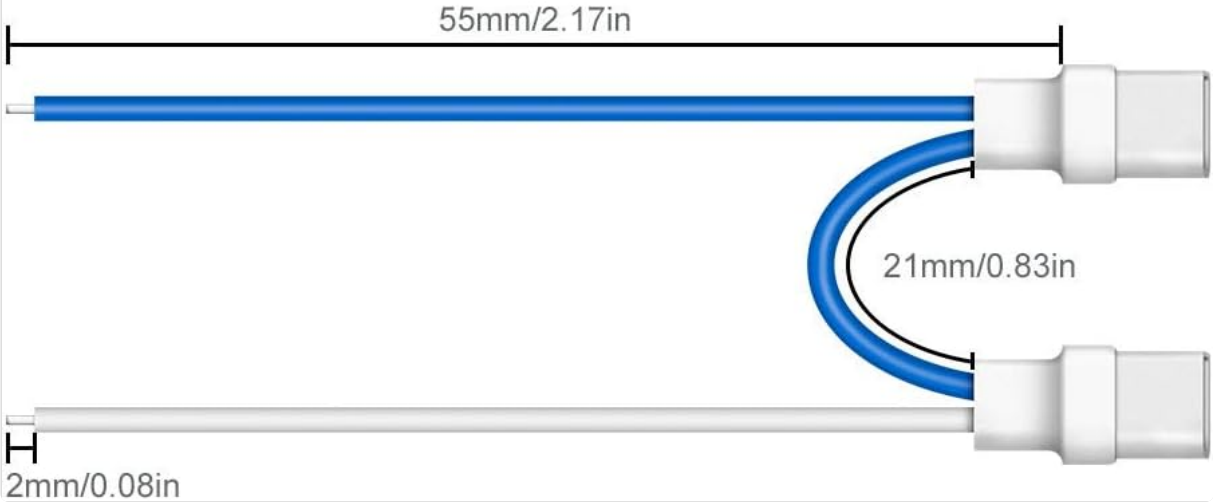


Image: Detailed diagram illustrating the cable's dimensions, including total length and connector size.



Image: The BT2.0 connector cable being weighed on a digital scale, indicating a weight of 1.5 grams.

9. WARRANTY AND SUPPORT

Specific warranty details for this product are typically provided at the point of purchase or within the product packaging. For technical support, product inquiries, or warranty claims, please refer to the official BETAFPV website or contact their customer service directly. Always retain your proof of purchase for warranty purposes.

Manufacturer: BETAFPV

Manufacturer Part Number: 01130004