16AWG cable

Silicone cable, length 1 meter
User manual



Read this manual before use and keep it for future reference.

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1. Product description

1.1 What it is for

The product is one meter of flexible **16AWG** cable with silicone insulation. It is sold in black and in red; one package contains cable of one colour.

The cable is used when building and repairing FPV drones and models, mainly to connect the main battery to the electronic speed controller (ESC) or to the power distribution board (PDB). The 16AWG size is particularly suitable for lightweight 5" quadcopters and for 4" and 3" drones.



16AWG cable with silicone insulation (black)

1.2 Technical data and package contents

Product designation	16AWG cable (1 meter)
Conductor size	16AWG
Length	1 m
Insulation	silicone
Colour	black or red (depending on the selected variant)
Package contents	1 m of cable in one colour
Not included	connectors, heat-shrink tubing, solder, cable in the other colour

To make a power lead (positive and negative wire), order one piece in red and one piece in black.

2. Use

2.1 Choosing gauge and length

- The cable gauge must match the current that will flow through it. Follow the recommendation of the manufacturer of the ESC, distribution board or connector to which you are connecting the cable.
- Keep battery power leads as short as possible – a shorter lead means less weight and lower losses.
- Observe the colour coding: **red = positive (+)**, **black = negative (−)**. This makes it easier to check polarity and to carry out repairs later.

2.2 Stripping and soldering

① Cut the cable to the required length with sharp side cutters.

② Strip the insulation from the end of the wire only as far as needed for the solder pad or connector. Silicone insulation is soft – use a sharp knife or wire strippers and take care not to nick the individual strands.

③ Lightly twist the strands and tin the end of the wire.

④ Before soldering a connector, slide heat-shrink tubing (not included) onto the cable.

⑤ Solder the wire. The joint must be shiny and firm, with no stray strands that could cause a short circuit.

⑥ Let the joint cool, slide the tubing over it and shrink it with a heat gun.

⑦ Before connecting a battery for the first time, check the polarity and use a multimeter to make sure there is no short circuit between the positive and negative wires.

2.3 Safety instructions

- When soldering or modifying wiring, **always keep the battery disconnected**. Short-circuiting a LiPo battery can cause a fire.
- The soldering iron tip and the soldered joint are very hot. Work on a non-flammable surface in a well-ventilated area.
- Route the cable so that it cannot get into the propellers and its insulation cannot chafe on sharp edges of the frame (e.g. carbon plates).
- Replace a damaged cable with torn insulation or a broken conductor.
- This product is not a toy. Keep it out of the reach of children.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

3.2 Disposal

- **Do not dispose of** cable offcuts or a discarded cable **with mixed household waste** and do not burn them – burning insulation releases harmful fumes.
- The cable contains a copper conductor that can be recycled. Take it to a municipal collection yard or a scrap metal collection point.
- If the cable is soldered to electrical equipment (e.g. a drone or an ESC), dispose of it together with that equipment at a collection point for electrical equipment.
- Follow the waste regulations applicable in the country in which you use the product.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.