14AWG WIRE

Silicone wire, length 1 m
User manual



Read this manual before use. When soldering or modifying the wire, the battery must be disconnected.

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1. Product description

1.1 What it is for

Stranded wire with a cross-section of **14AWG** and heat-resistant silicone insulation. It is used for custom wiring of power circuits in RC models and FPV drones – typically to connect the main battery power connector to the electronic speed controller (ESC) or to the power distribution board (PDB).

The silicone insulation is soft and flexible, so the wire is easy to route through the model frame and withstands bending and vibration well. It is sold by the metre in black or red, so the positive and negative poles of the power supply can be distinguished by colour.



14AWG wire in black and red (each colour is sold separately)

1.2 Specifications and package contents

Manufacturer	Readytosky
Designation	14AWG wire (1 metre)
Wire gauge	14AWG
Length	1 m
Insulation	silicone, heat-resistant
Colour	black or red (depending on the selected variant)
Insulation marking	14AWG 200°C
Package contents	1 m of wire in one colour
Not included	connectors, heat-shrink tubing, wire of the other colour

※ To connect both the positive and the negative pole, order the wire in both colours.

2. Use

2.1 Preparing the wire

① Measure the required length with a reserve for soldering. Keep power leads as short as possible – a longer wire increases voltage drop and interference.

② Cut the wire squarely with sharp side cutters.

③ Strip only as much insulation as the solder pad or connector requires. Use wire strippers or a sharp knife and do not nick the individual strands.

④ Twist the ends of the strands and tin them so that they do not fray.

2.2 Connecting and soldering

- Observe the colour coding: **red wire = positive pole (+)**, **black wire = negative pole (−)**.
- Before connecting the wire to a connector, slide heat-shrink tubing (not included) onto it; after soldering, move it over the joint and shrink it.
- Use a powerful soldering iron with a wider tip so that the joint heats up quickly. The joint must be shiny and the solder must flow into the strands.
- After soldering, check that no stray strands stick out of the solder pad or connector, as they could cause a short circuit.

2.3 Installation in the model

- Route the wire away from the propellers and the sharp edges of the carbon frame; protect it with tubing or tape at points of contact.
- Secure the wire with cable ties or tape so that the soldered joint is not under tension.
- Route power wires away from the antennas, the receiver and the video transmitter (VTX).

2.4 Safety and storage

- When soldering or modifying the wire, the battery must **always be disconnected**.
- Before connecting the battery for the first time, check the polarity and use a multimeter to verify that there is no short circuit between the poles; we recommend making the first connection through a current limiter (smoke stopper).
- A short circuit of a LiPo battery can cause a fire. Replace a wire with cut or melted insulation.
- Solder in a well-ventilated area, on a non-flammable surface and out of the reach of children.

- The wire is intended for DC power circuits of models. Do not use it for mains voltage wiring.
- When building and operating the model, observe the regulations of the country in which you operate it – the law of that country always prevails.
- Store the wire in a dry place and out of direct sunlight.

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 Product conformity

CE

- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the address stated above or at the e-mail address info@rotorama.cz.
- **Product identification:** 14AWG silicone wire, length 1 m, black or red. The wire gauge is printed on the insulation. The product has no serial number.

3.3 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

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.