



Cable ties

4.8 × 120 mm · polyamide · black · pack of 100
User manual



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

www.rotorama.com

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1. Product description

1.1 What it is for

Cable ties are single-use plastic straps with a locking head, used for bundling cables and for firmly securing small parts. The tie is threaded through the head, pulled tight, and the head locks it against loosening.

These 4.8 mm wide ties are wider and stronger than common thin cable ties. They are suitable for routing RC receiver antennas, securing an FPV antenna and anywhere a stronger hold is needed – on drone and aircraft frames as well as in the workshop.



Cable ties 4.8 × 120 mm, black

1.2 Specifications and package contents

Product designation	FIX-S-4.8X120/BK (FIX&FASTEN)
Tie width	4.8 mm
Tie length	120 mm
Tie thickness	1.2 mm
Max. bundle diameter	30 mm
Tensile strength	222 N
Material	polyamide (PA66)
Colour	black
Operating temperature	−40 °C to +85 °C
Package contents	100 cable ties in a bag

Not included: tools for trimming the excess tail (side cutters, scissors) and any mounting hardware (screws, holders, pads).

2. Use

2.1 Fitting and tightening a tie

- ① Wrap the tie around the bundle or part you want to secure.
- ② Thread the tip of the tie through the locking head (square head) with the toothed side facing the inside of the loop. If the tie does not pass through the head or does not lock, you are threading it the wrong way round.
- ③ Tighten the tie by hand or with pliers so that the bundle is held firmly but not deformed.
- ④ Trim the excess tail with side cutters as close to the head as possible. Cut straight so that no sharp edge is left.

✱ **The lock is single-use – a tightened tie cannot be released. To remove a tie, carefully cut it next to the head. Take care not to damage the cable insulation or the antenna underneath.**

2.2 Use on models and FPV drones

- **Receiver antennas** – a tie holds the antenna protective tubes to the arm or the rear of the frame so that the antennas stay clear of the propellers.
- **Video transmitter (VTX) antenna** – a tie can secure the antenna in its mount or to the rear standoffs of the frame.
- **Bundling cables** – tie up motor wires, power leads and other wires so that they cannot get into the propellers or chafe against the edges of the frame.
- **Small parts** – securing a buzzer, GPS module or receiver to the frame when the design does not provide another mounting method.

2.3 Safety and rules of use

- The tensile strength value (222 N) refers to the load on the tie itself, not to a safe working load. **Do not use the ties for lifting, hanging or securing loads** or persons.
- Do not use cable ties as the only fastening of a drone battery – use a strap designed for batteries.
- Do not overtighten ties on thin or coaxial cables and on antennas – strong pressure can damage the insulation or the inner conductor.
- Observe the operating temperature of –40 °C to +85 °C. Do not place ties directly on hot components (motors, ESCs, heat sinks) and protect them from flame and the tip of a soldering iron. Store them in a dry place, out of direct sunlight.
- Before every flight check that the ties hold and are not torn, and that their tails and the antennas or cables they secure do not reach into the propellers. Replace a damaged tie.

- Trimmed tails may have sharp edges. Protect your eyes when working, clean up offcuts immediately and keep them, like the ties themselves, out of the reach of children and animals.

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@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.com

3.2 Disposal

- The product is not electrical equipment and contains no batteries – it does not belong in the separate collection of electrical waste.
- Dispose of used and trimmed ties and the packaging bag in sorted waste according to local rules (plastics), or in mixed municipal waste.
- Do not burn the ties or discard them in nature.
- Follow the waste management 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.