tesa® 51608

Cloth tape for cable protection
Instructions for use · width 19 mm · length 25 m



Read these instructions before use. The product is intended for persons aged 14 and over.

Rotorama, s.r.o. · www.rotorama.cz

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1. Product description

1.1 Intended use

tesa® 51608 is a cloth adhesive tape with a polyester non-woven backing (PET fleece) and a rubber-based adhesive. The manufacturer developed it for bundling wire harnesses in cars: it holds the bundle together, protects the wires against abrasion and damps cable rattle while keeping the bundle flexible.

In FPV model building, the tape is useful for protecting cables against the sharp edges of a carbon frame, for neatly bundling wires and for attaching electronic speed controllers (ESC) to the frame arms. The tape conforms to uneven surfaces, does not tend to peel off and can be torn by hand.



Example of use: tape wrapped around the arm of an FPV frame

1.2 Technical data and package contents

Product designation	tesa® 51608, code 51608-00001-00
Backing / adhesive	PET fleece (polyester non-woven) / rubber-based
Colour	black
Roll width × length	19 mm × 25 m
Total thickness	280 µm
Core diameter	38 mm
Tensile strength / elongation at break	40 N/cm / 20 %
Adhesion to steel	3 N/cm
Temperature resistance	−40 °C to 105 °C
Package contents	1× roll of tape

The values are average (typical) values stated by the manufacturer tesa SE, not guaranteed specifications. Cables, heat-shrink tubing and scissors are not included.

2. Use

2.1 What you will need

- clean and dry cables or parts to be wrapped,
- if needed, a clean cloth and isopropyl alcohol to degrease the surface; scissors are optional – the tape can be torn by hand.

2.2 Wrapping cables step by step

① Clean the surface of dust, grease and moisture. The tape adheres best to a clean, dry surface.

② Place the start of the tape at the beginning of the bundle and press it firmly with your finger.

③ Wrap in a spiral so that the individual turns partly overlap. Keep the tape slightly taut while wrapping, but do not overstretch it.

④ At the end, tear the tape across by hand and press the end down firmly. Do not leave the end on a sharp edge where it could peel off.

2.3 Use on an FPV drone

- **Protection against sharp edges:** wrap the cable where it runs past the edge of the carbon frame or through a hole in a plate so that the wire insulation does not wear through.
- **Attaching the ESC and motor wires:** the speed controller (ESC) and the motor wires must be held firmly on the arm so that they cannot get into the propeller path during flight or in a crash.
- **Bundling:** tie loose wires together or to the frame with the tape; the bundle stays flexible.
- After wrapping, check that neither the tape nor its end reaches into the path of the propellers or other moving parts.

※ The manufacturer states no electrical insulation properties. Insulate bare joints with heat-shrink tubing; the tape only protects them mechanically.

2.4 Safety and care

- Do not use the tape in places that heat up above 105 °C and do not bring it into contact with the soldering iron tip or other hot objects.
- Store in a dry place at room temperature; the manufacturer recommends 23 °C ± 10 °C and a relative humidity of 40–60 %.
- Keep out of reach of small children. The product is intended for persons aged 14 and over.
- When using the tape on a drone, follow the regulations for operating unmanned aircraft – the law of the country in which you operate the drone is decisive.

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.cz

3.2 Disposal

The product contains no electronics or batteries and is not subject to the take-back of electrical equipment. Dispose of used tape with mixed municipal waste and of the roll core in separated waste according to its material – always in line with the rules of your municipality.

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.