



tesaflex 53988

Soft PVC electrical insulating tape
15 mm × 10 m · black · user manual



Read this manual before use and follow the safety instructions in Chapter 2.1.

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1. Product description

1.1 Intended use

tesa® Professional tesaflex 53988 is an electrical insulating tape made of soft PVC with a natural rubber adhesive. The manufacturer intends it for electricians, mechanics and other handymen – above all for **insulating and marking wires**. The tape is flexible, conforms well to the shape of a joint and, according to the manufacturer, adheres well even to steel and at low temperatures.

In an FPV pilot's workshop it is useful for additionally insulating and reinforcing wire joints, bundling cables, colour-coding or labelling them and for quick repairs of damaged insulation on low-voltage equipment. The tape is flame retardant and certified according to IEC 60454-3-1.



tesaflex 53988 tape roll

1.2 Technical data and package contents

Product designation	tesa® Professional tesaflex 53988
Manufacturer part number	53988-00005-00
EAN	4042448460950
Colour	black
Roll dimensions	width 15 mm, length 10 m
Backing	soft PVC
Adhesive	natural rubber
Total thickness	150 µm (0.15 mm)
Dielectric breakdown voltage	7,000 V
Heat resistance	up to +90 °C
Tensile strength	25 N/cm
Elongation at break	150 %

Adhesion to steel	2.5 N/cm
Certification	IEC 60454-3-1 / 5 (VDE, IMQ, SEMKO), flame retardant; RoHS 2.0 and REACH
Manufacturer	tesa SE, Hugo-Kirchberg-Str. 1, D-22848 Norderstedt, Germany, www.tesa.com
Country of origin	China

❖ **According to the manufacturer, the technical values are average (typical) values, not guaranteed limit specifications.**

Package contents: 1 roll of insulating tape.

Not included: tools (scissors, wire strippers), heat-shrink tubing or other connecting material.

The type designation (tesaflex 53988), manufacturer part number and EAN are printed on the manufacturer's round label on the side of the roll.



Manufacturer's label with product identification

2. Use

2.1 Safety instructions

- **Never work on live wires.** Before insulating, disconnect the battery or power supply, or unplug the device from the mains.
- The dielectric breakdown voltage of 7,000 V is a laboratory figure describing the insulating strength of the tape, **not a permissible operating voltage** of the repaired line.
- The tape does not replace the prescribed insulation of electrical installations. Do not repair a damaged mains cable or extension lead with tape – have it replaced.
- Do not use the tape where the temperature may exceed +90 °C (near heat sources, a soldering iron tip, etc.).
- Do not burn the PVC tape or expose it to open flame.
- Keep out of the reach of small children.

2.2 Preparation

- The surface to which you apply the tape must be **clean, dry and free of grease**. Dust, soldering flux or oil reduce adhesion.
- First flatten any sharp edges of a soldered joint or cut wire ends so that they do not pierce the tape when wrapping.

2.3 Wrapping wires

- ① Start wrapping a short distance before the area to be insulated, on the undamaged insulation of the wire.
- ② **Stretch the tape slightly** while wrapping and overlap each turn by about half the width of the tape.
- ③ Continue over the entire area and finish a short distance beyond it, again on undamaged insulation. For better protection, apply two layers.
- ④ Do not stretch the last turn, so that the end of the tape does not lift later. Tear the tape off by hand or cut it and press the end down firmly.

When bundling cables, wrap the tape around the bundle with only slight tension so that it does not constrict the wire insulation. One or two turns are enough for colour-coding.

2.4 Limitations and storage

- According to the manufacturer, the water resistance of the tape is **medium** – for joints permanently exposed to water or outdoor conditions, choose a more suitable solution (e.g. adhesive-lined heat-shrink tubing).

- The tape is not easy to remove from surfaces and may leave adhesive residue after a longer time. Do not apply it where this would be a problem.
- For power leads and battery connectors of a drone, we recommend heat-shrink tubing as the main insulation; the tape is suitable as additional protection.
- Store the roll in a cool, dry place away from direct sunlight, ideally in a bag so that the sides of the roll do not collect dust.

3. Information for the EU and Czech Market

The information in this chapter and in Chapter 4 describes the situation under the law of the Czech Republic. If you use the product in another country, the law of the country in which the product is used is decisive.

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 tape is not electrical equipment and contains no batteries; therefore, the take-back scheme for electrical equipment does not apply to it.
- Dispose of used tape and its remnants with **mixed municipal waste**, unless local waste sorting rules specify otherwise.
- A clean cardboard core can be put into paper recycling.
- Do not burn the PVC tape – it releases harmful fumes when burning.

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.