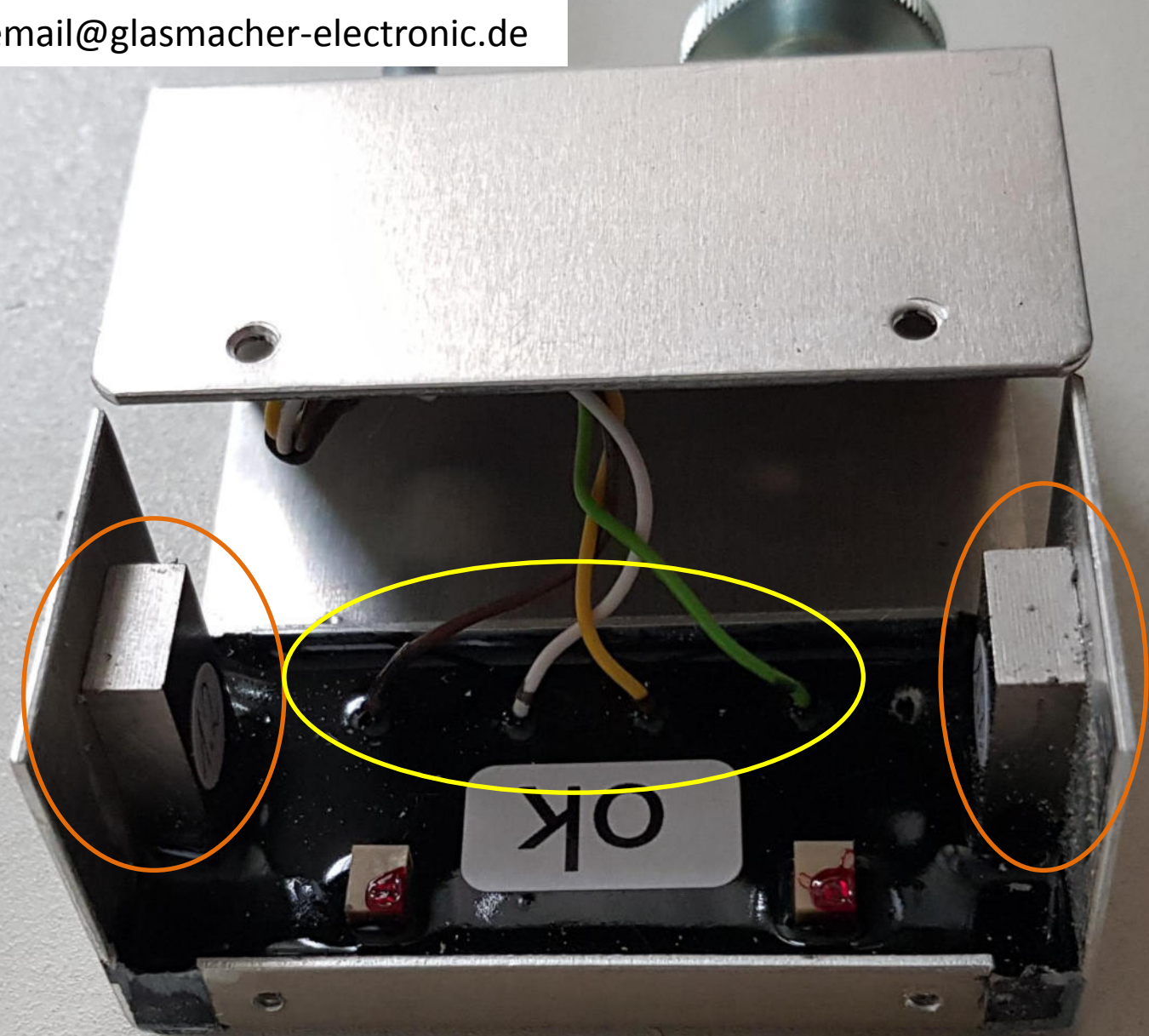Cable checking - email@glasmacher-electronic.de

Where is the cable problem? Where is the cable loose?

Measuring Head

Measuring device

TGM

Measuring Head

To open the Measuring
Head unscrew the 4 screws

Check the magnets and the
Cable connections

Cable checking - email@glasmacher-electronic.de

Open the measuring device
- Check the terminal block: if you pushing the white lever down the cable is loose – please use ferrules or tin the stripped cable
- Check the cable grommet often the glue gets loose we recommend a special glue for TPE (for example Loctite)
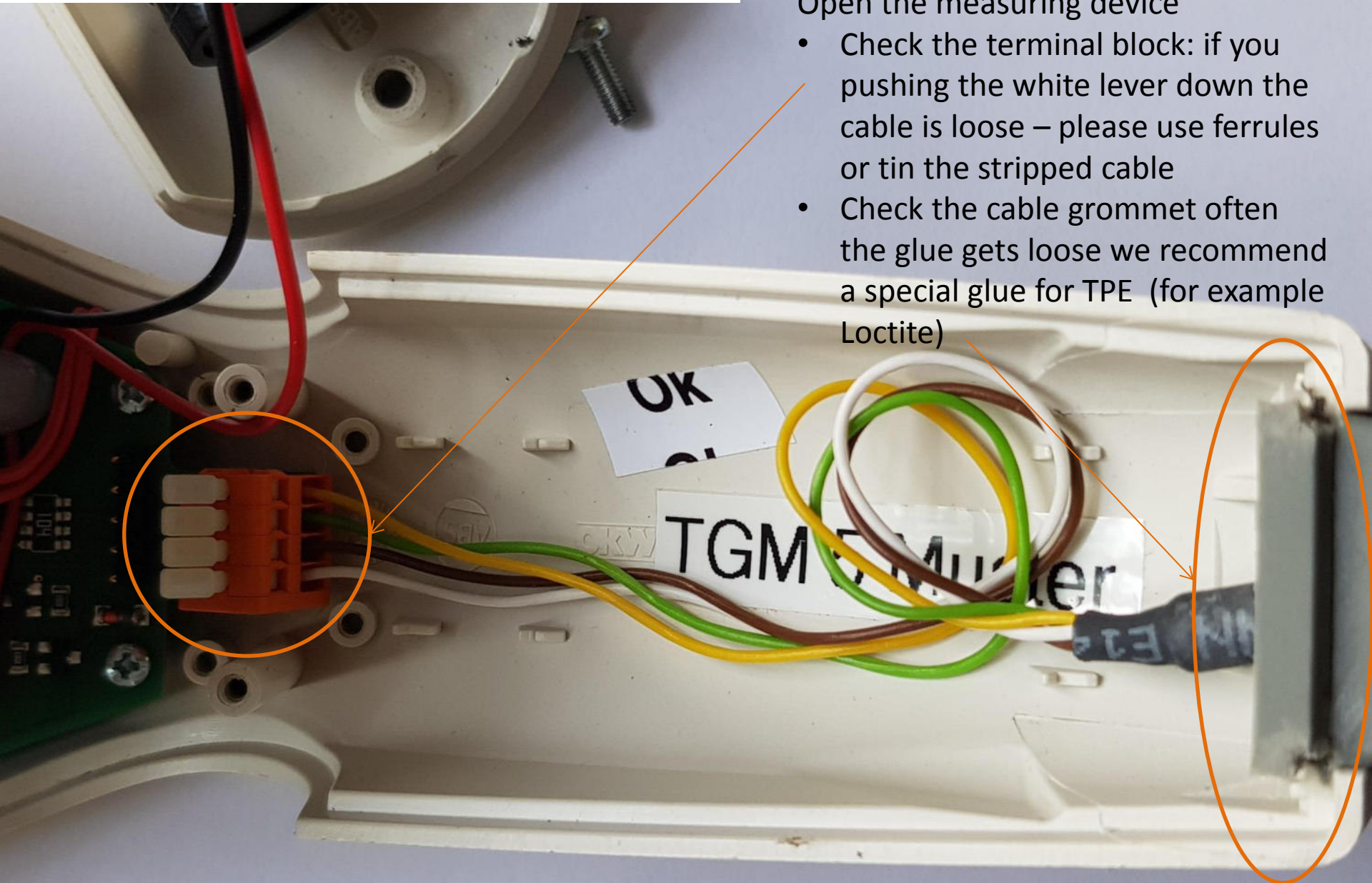
PLEASE DISCONNECT THE BATTERY IMMEDIATLY AFTER OPENING

Because of repeated problems with the cable grommmet we changed it in early 2018 from glueing to clamping – please contact email@glasmacher-electronic.de so we can change for you in Germany or send you the metall clamp free of charge so you can change
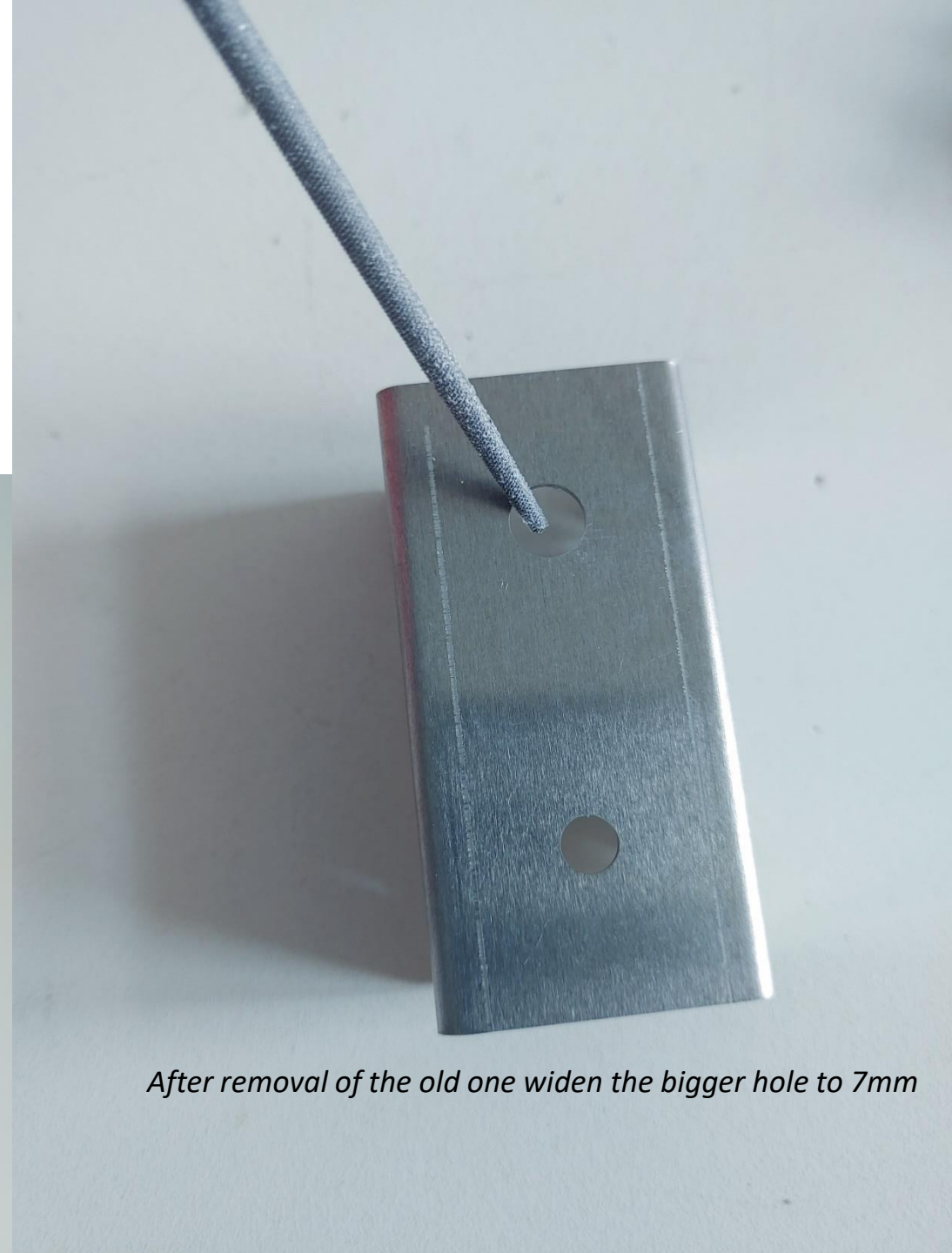
- Remove the old rubber cable entry
- Widen the hole to 7mm diameter with a drill or file
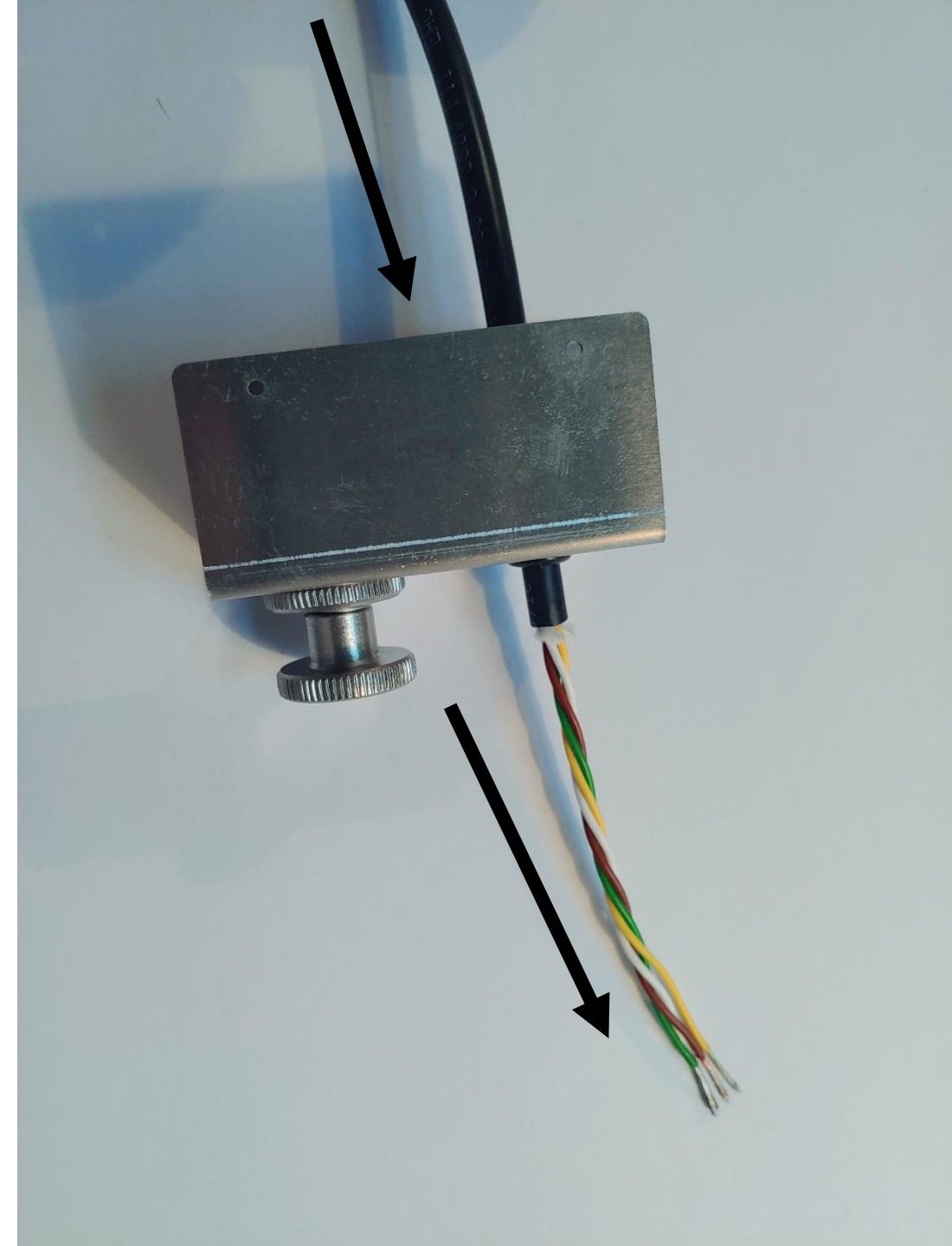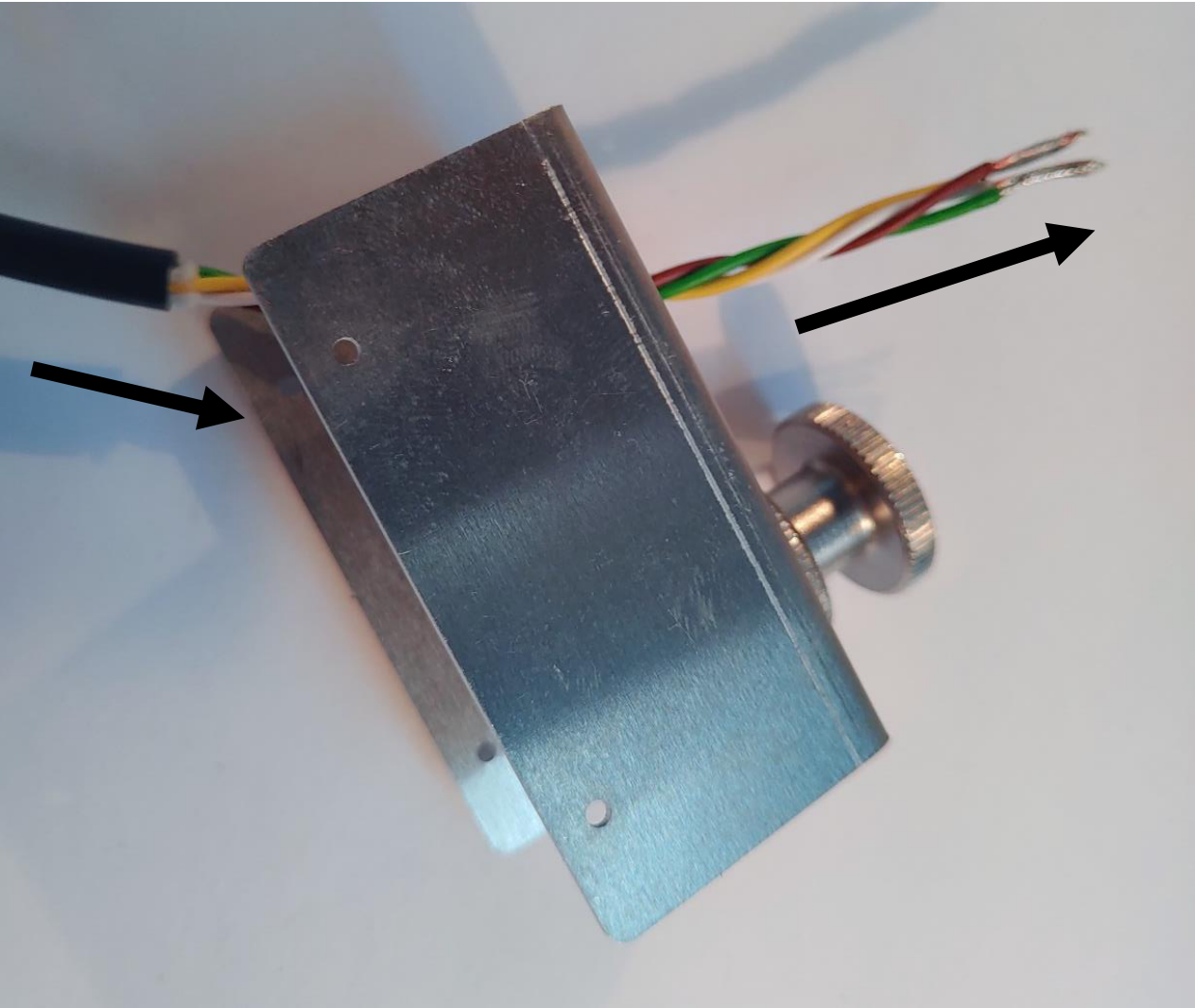- Insert the wider new rubber cable entry

After removal of the old one widen the bigger hole to 7mm

1. Insert the end without the cable ties from the inside of the sensor case through the rubber cable entry. Put a little water on the cable so it goes easy through the rubber cable entry
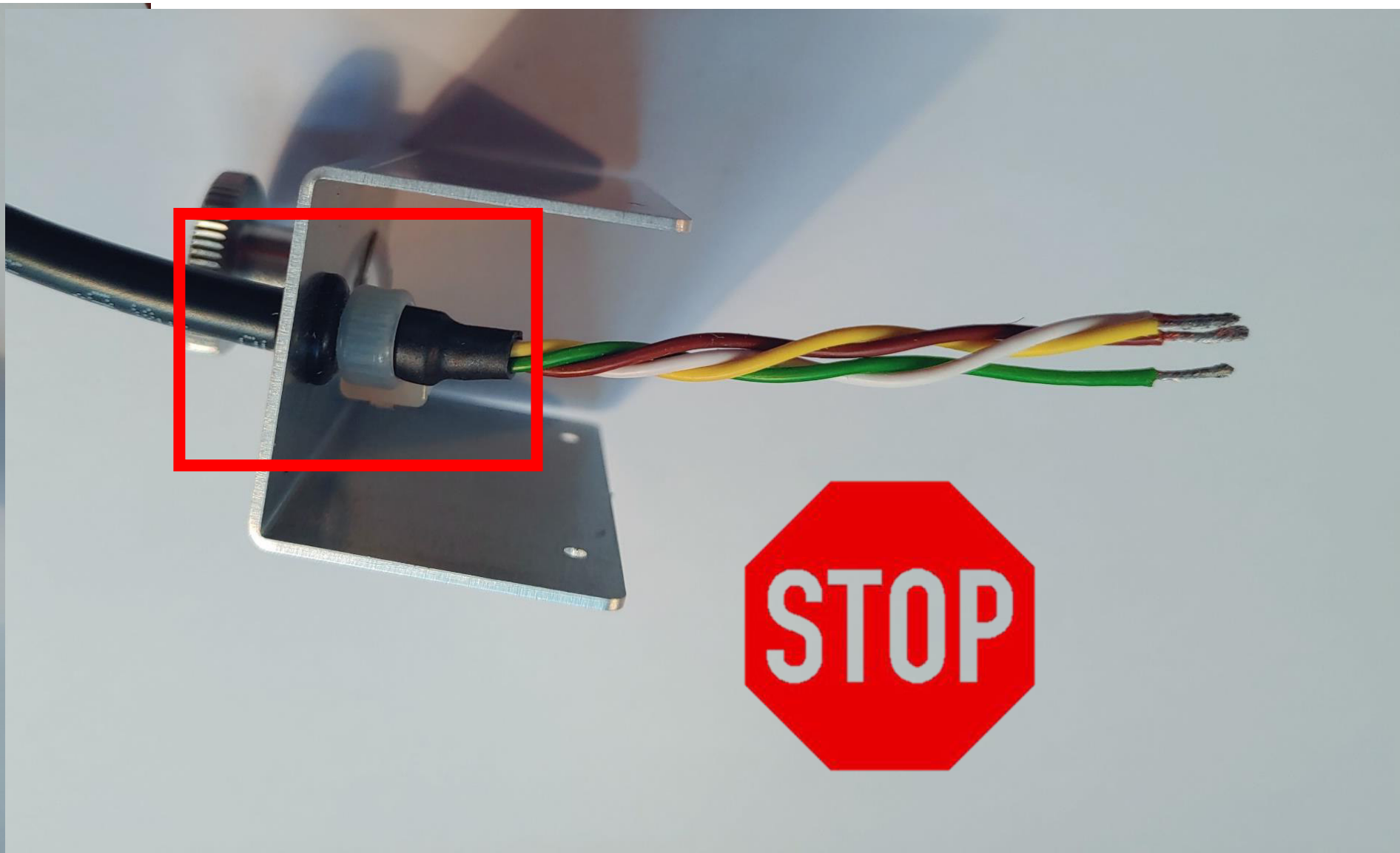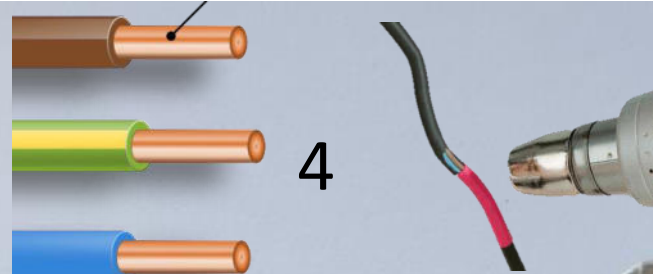
2. Pull the cable all the way through the rubber cable entry (with a little water it goes easier) till the cable tie sits directly before the rubber cable entry


STOP

1. Check the place and stability of the magnets
2. Cut all 4 wires and remove the old grey cable
3. Insert the new black cable through the little hole in the casing
4. Strip all 8 wire endings and put a heat shrink tubing over every color
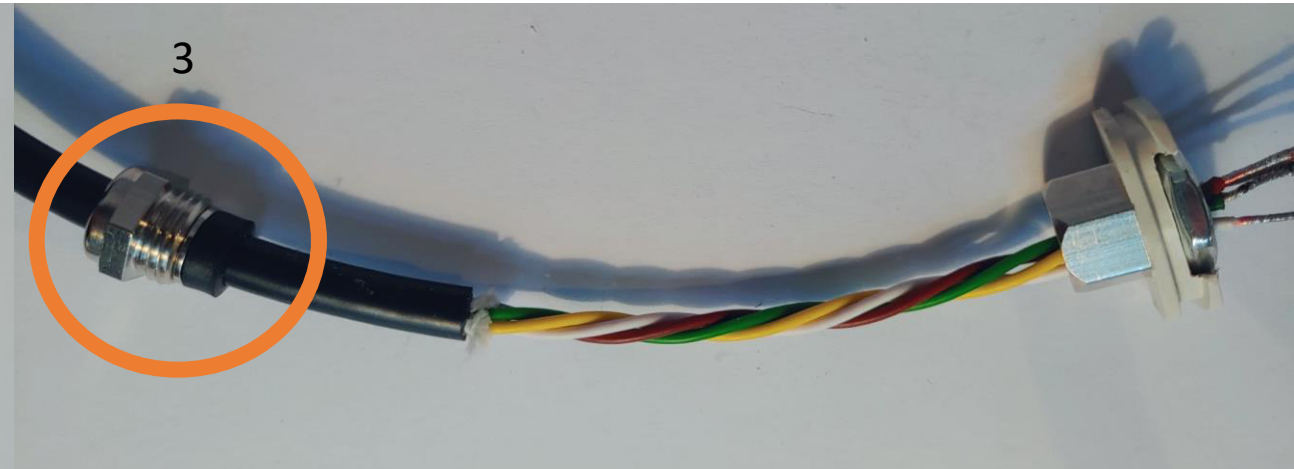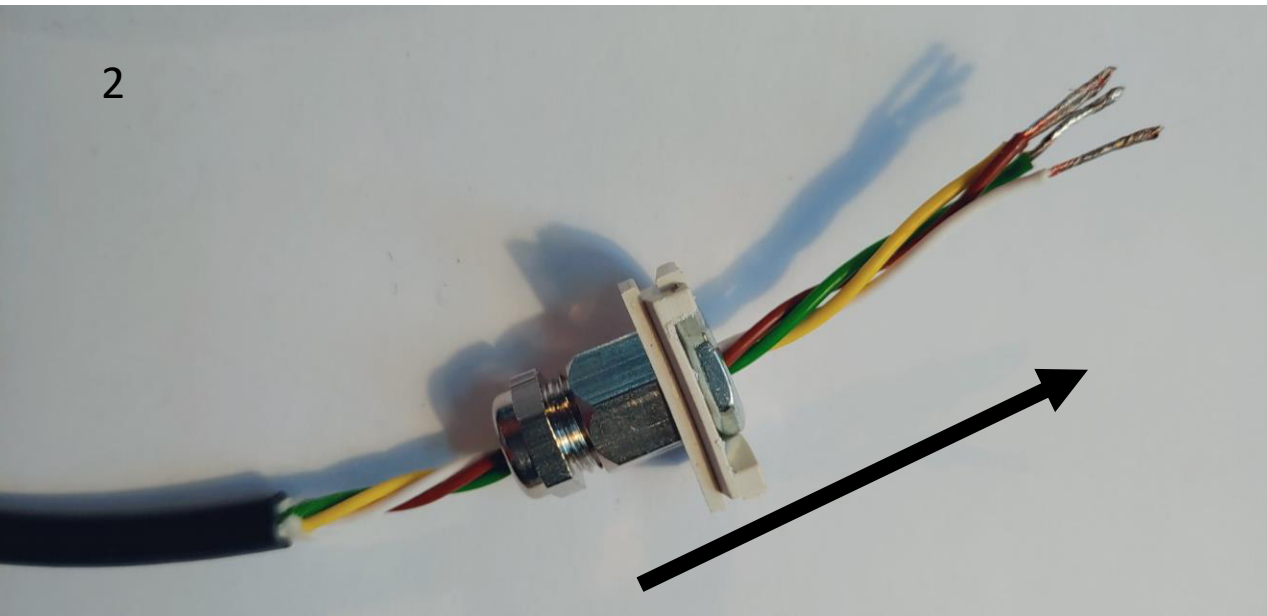5. Solder the wire by color and shrink the heat tubing

2. Pull the cable all the way through the rubber cable entry (with a little water it goes easier) till the cable tie sits directly before the rubber cable entry

1
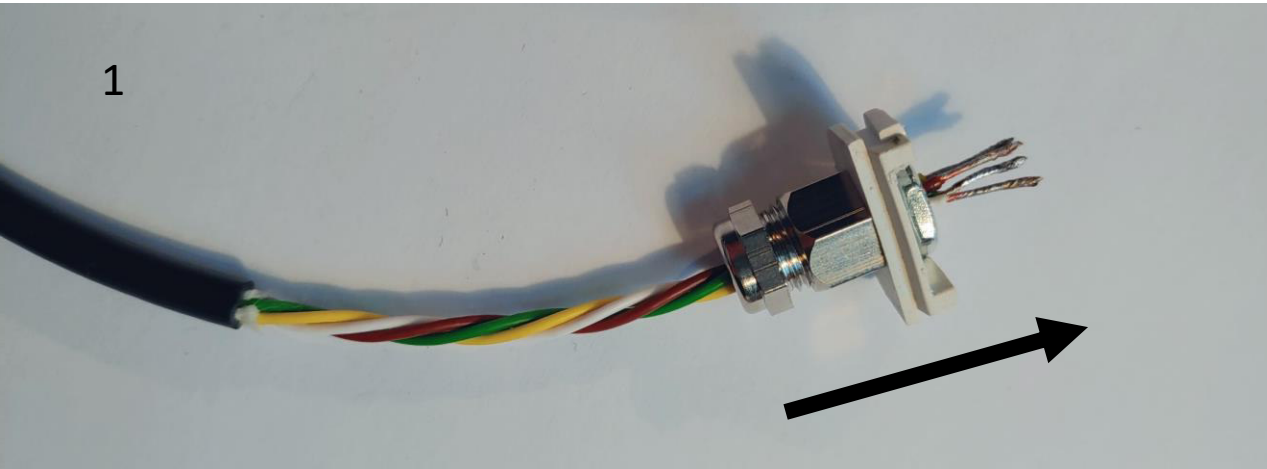
Put the 4 loose ends without the cable tie through the metall cable entry

3

Open the metall cable entry and put the outter part with the rubber a bit over the isolated black part of the cable

2

4
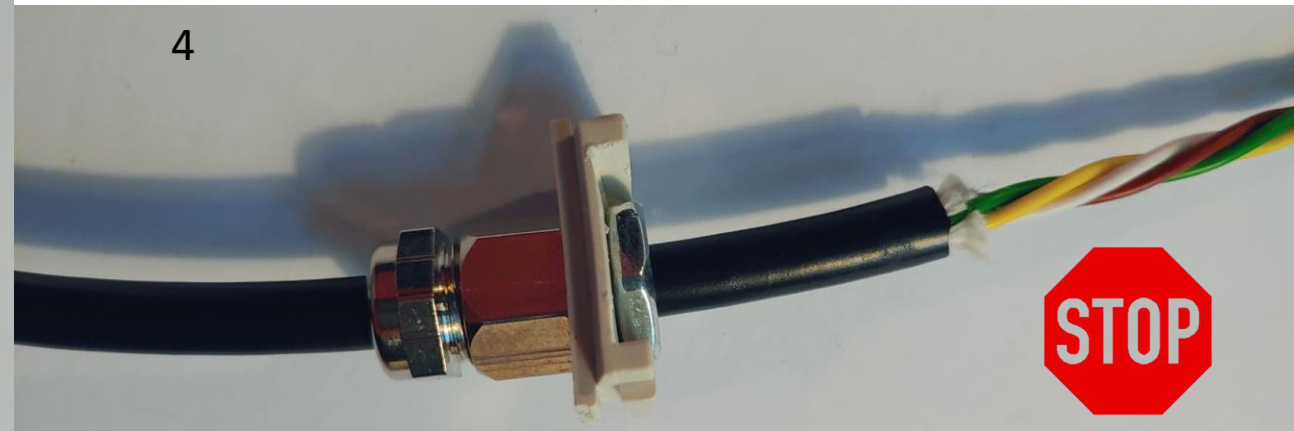
Pull the cable through the metall clamp till about 1cm is out of the unisolated cable – reconnect the metall clamp – a bit of water on the cable makes it easier
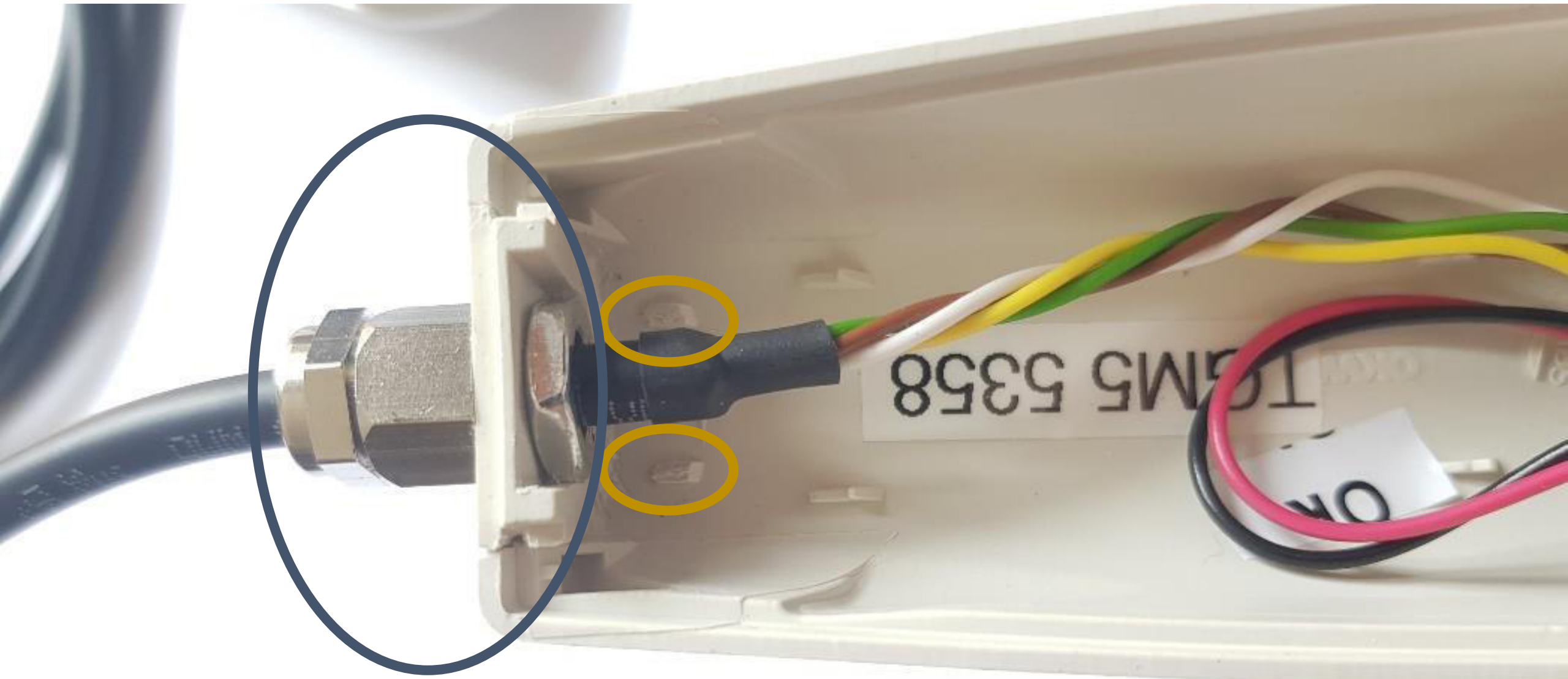
2

- Put the bigger shrink tubing over the loose ends on the side of the metall clamp
- The shrink tubing should sit half over the 4 loose cables and half over the unisolated black cable
- Shrink it with heat
- Pull the cable slightly back so the shrinked part sits just in front of the metall clamp
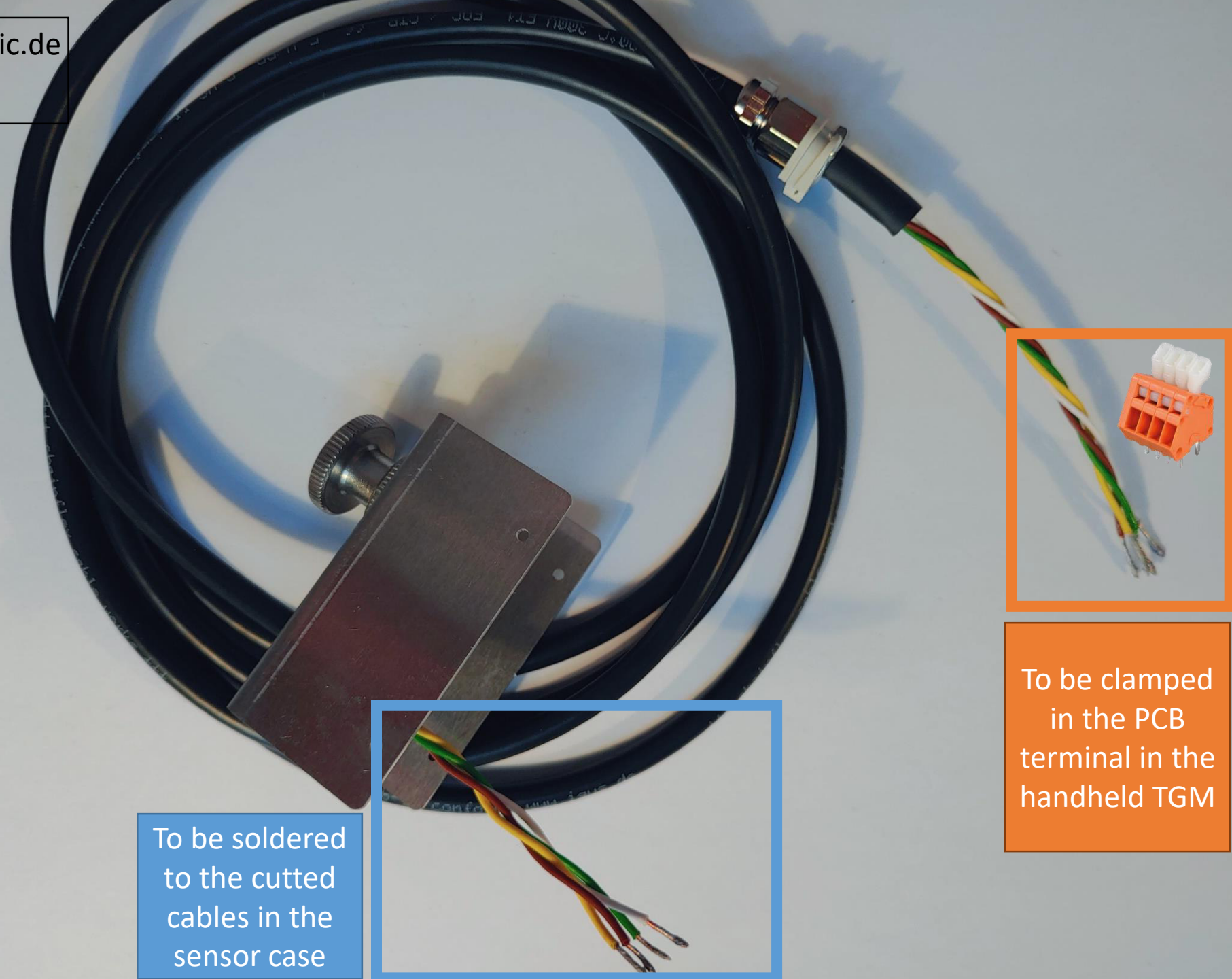- Tighten the metall clamp

After shrinking pull it softly back

1
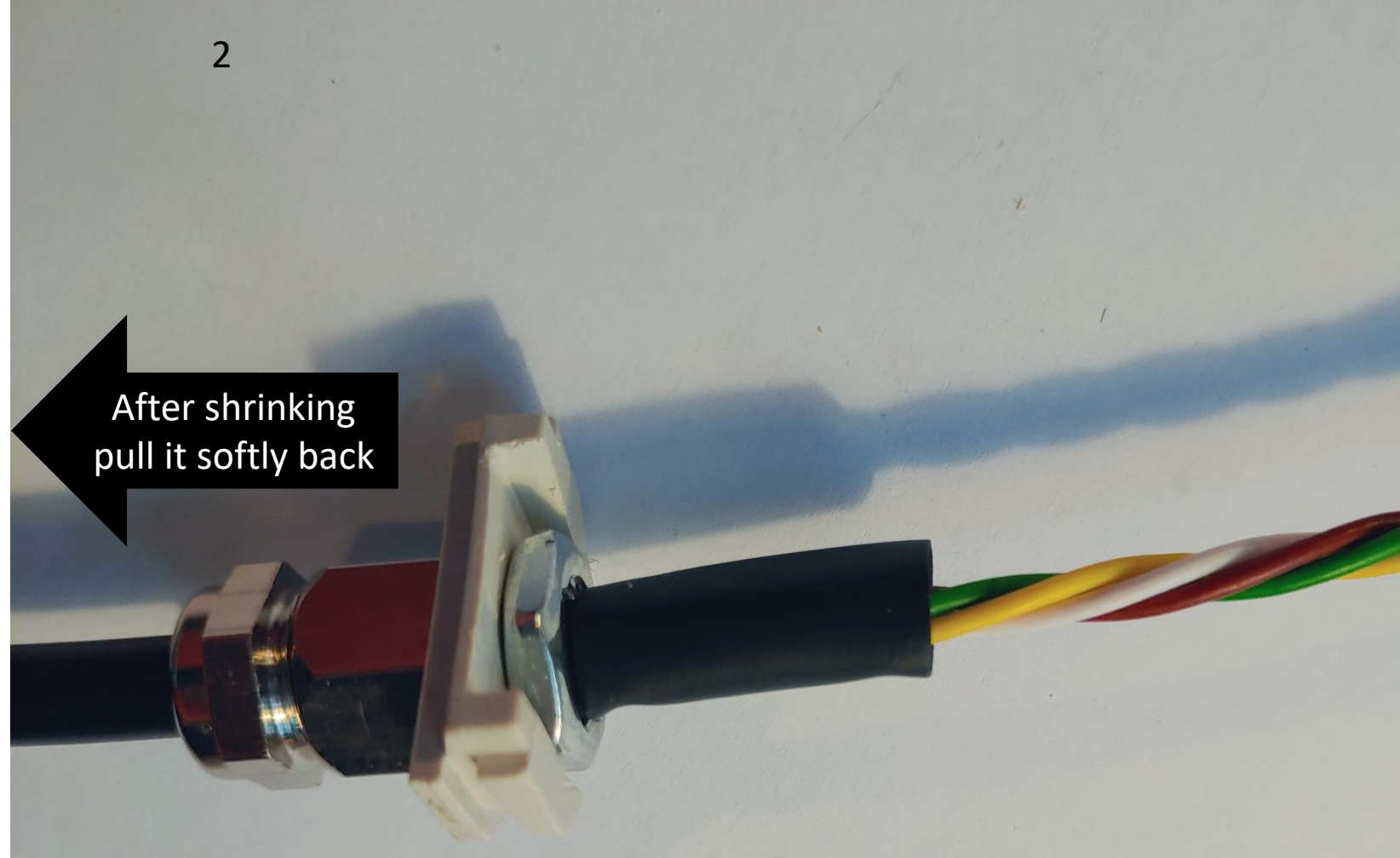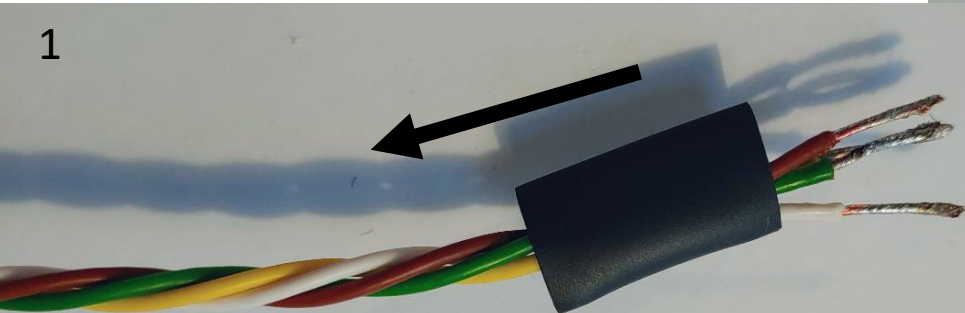
Replace the cable entry

Remove or sand down the two little plastic noses

To be clamped in the PCB terminal in the handheld TGM

To be soldered to the cutted cables in the sensor case