

# Heat Shrink Tubing Assortments

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Consumables & Spares



Photo: oomlout — CC BY-SA 2.0 — via Wikimedia Commons (Heat-shrink\_tubing.jpg)

Heat shrink tubing is a plastic sleeve that shrinks tightly over soldered joints and cables when heated, providing insulation, strain relief and protection. Assortment boxes with mixed diameters and colours keep the right size at hand for every wiring job.

## Key Features

- Diameters from 1.5 to 25 mm in assorted boxes
- Polyolefin or adhesive-lined types
- Shrink ratios of 2:1 and 3:1
- Colour coding for identification
- Pre-cut and roll formats

## Typical Uses in the Workshop

- Insulate and strengthen solder joints
- Protect cables from abrasion and strain
- Colour code wires and bundles
- Seal and waterproof with adhesive-lined tubing

## Safe Operation

1. Select the size that slides over the joint snugly
2. Slide it on before soldering or connecting
3. Position over the joint and heat evenly
4. Use a heat gun or lighter flame briefly
5. Check the tubing grips without melting

## SAFETY NOTES

- Do not overheat - the tubing can burn
- Use a heat gun with the nozzle safe distance
- Keep the heat away from wires and plastic nearby
- Work in a ventilated area
- Store away from heat sources

#### Maintenance & Consumables

---

- Keep the assortment organised by size
- Restock the commonly used sizes
- Store in a dry, labelled box
- Check the tubing is not cracked with age
- Keep a box at each wiring bench

#### Specification & Buying Notes

---

An assortment box of polyolefin 2:1 tubing from 1.5-13 mm covers most jobs. For waterproofing buy adhesive-lined 3:1 sizes separately. Quality tubing shrinks evenly without splitting.