

Heat Shrink Solder Seal Connectors

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Electronics & Prototyping

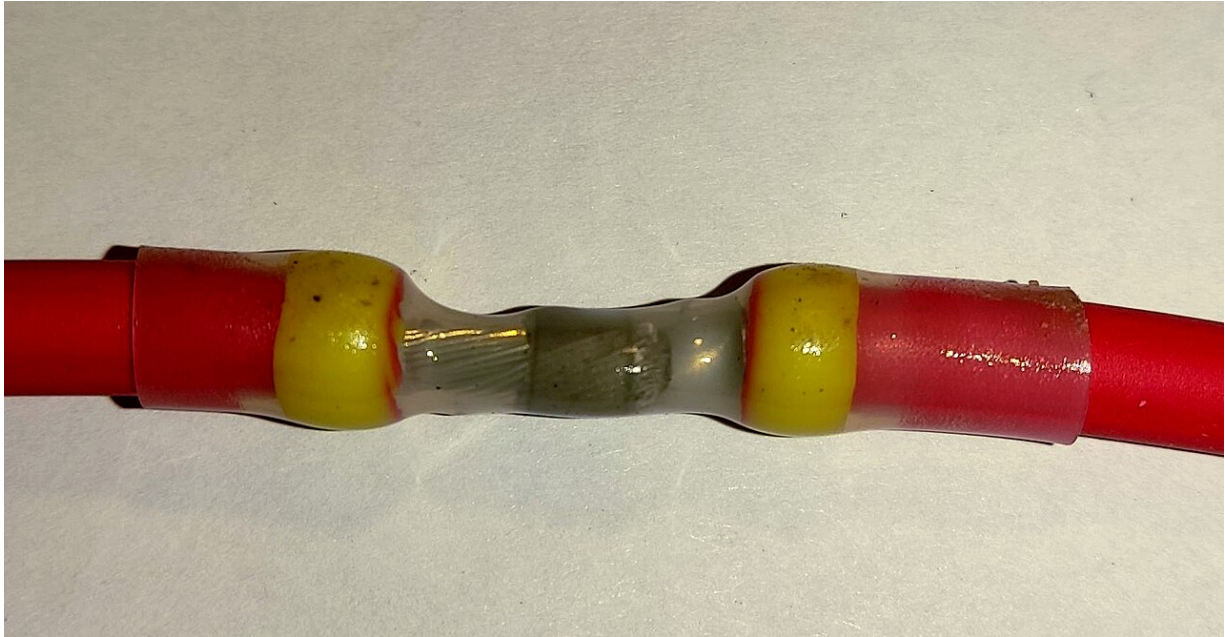


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Solder seal connectors join wires with a pre-formed solder ring and shrink tube in one piece: heat the joint and the solder melts while the tube seals and insulates it, waterproofing wiring in seconds without separate soldering and shrink steps.

Key Features

- 22-10 AWG wire ranges
- Pre-applied solder rings
- Heat-activated shrink sleeves
- Waterproof and insulated joints
- Assorted size packs

Typical Uses in the Workshop

- Splice wires on robots and vehicles
- Waterproof outdoor wiring
- Repair cables quickly
- Connection points in tight spaces

Safe Operation

1. Strip the wire ends about 5 mm
2. Slide the connector over one wire and twist the joint
3. Heat the sleeve with a heat gun until solder flows
4. Watch solder wet the joint through the sleeve
5. Let it cool and pull-test

SAFETY NOTES

- Heat the joint with the right tool - flame is risky
- Avoid overheating that burns the sleeve
- Keep the heat gun away from the wiring bundle
- Check the solder flowed before movement
- Work in a ventilated area

Maintenance & Consumables

- Keep the assortment sorted by gauge
- Store dry and sealed
- Check the solder rings are fresh
- Replace damaged connectors
- Keep a heat gun near the kits

Specification & Buying Notes

Waterproof solder seal connectors in the common wire gauges make repair work reliable. Quality connectors contain enough solder; cheap ones make dry joints.