

Network Cable Crimpers and Testers

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Network & Infrastructure

Network cable crimpers terminate RJ45 plugs onto Cat5/6 cable, while cable testers verify the wiring of each pair, catching crossed, split and broken wires. Together they build and certify the lab's structured cabling.

Key Features

- RJ45/RJ11 crimp dies
- Pass-through crimper support
- Cat6 performance
- Testers with remote units
- Pin map and fault displays

Typical Uses in the Workshop

- Terminate patch leads and runs
- Build custom-length cables
- Verify crimps after assembly
- Teach structured cabling

Safe Operation

1. Strip and arrange the pairs in the order
2. Insert into the pass-through RJ45
3. Crimp firmly once
4. Test with the remote unit
5. Check the pin map is straight

SAFETY NOTES

- Keep the crimp dies clear of fingers
- Do not crimp live or in-use cables
- Close the tester case when storing
- Keep the blades covered
- Work away from water

Maintenance & Consumables

- Clean the crimp dies
- Check the ratchet action
- Replace worn blades
- Test the tester with a known cable
- Store in the tool case

Specification & Buying Notes

A ratchet crimper with pass-through dies plus a pin tester covers school cabling. Quality crimpers seat plugs fully; cheap ones crush or miss pins.