

Bullet and Spade Electrical Connectors

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

Bullet and spade connectors are crimped on to wire ends to make quick, removable connections: bullets plug into mating sleeves and spades slip onto screw terminals. Both make field wiring neat, serviceable and mistake-proof.

Key Features

- Bullet: 2-6 mm diameters
- Spade: 6.3 and 4.8 mm tabs
- Female and male forms
- Vinyl or nylon insulated
- Crimped with ratchet tools

Typical Uses in the Workshop

- Connect motors, batteries and sensors
- Wire speakers and equipment
- Serviceable connections in panels
- Repair and extend loom wiring

Safe Operation

1. Strip the wire to the barrel length
2. Crimp with the matching die
3. Check the crimp holds with a pull
4. Push the bullet into the female sleeve
5. Terminals accept the spade fully

SAFETY NOTES

- Crimp correctly - loose connectors cause shorts and fires
- Use insulated connectors where exposed
- Check polarity and fit before powering
- Keep connectors away from water
- Disconnect power before rewiring

Maintenance & Consumables

- Keep the connector kit sorted
- Check the crimp quality
- Replace corroded connectors
- Keep the crimp tool with the kit
- Set screw terminals by size

Specification & Buying Notes

Assorted insulated bullet and spade kits with a ratchet crimper cover repair work. Quality copper terminals crimp tight; cheap steel ones spring loose.