Quick Connect

Very quick. Very reliable.

clipsal.com
After years of making electrical connections using the old process of stripping, twisting and screwing down conductors, Clipsal has teamed up with Krone to create Quick Connect, a revolutionary range of products that make life easier for the installer/contractor.

**UP TO 50% FASTER INSTALLATION**

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**The Fastest Fit-Off in the World**

Clipsal’s 2000 and C2000 Series, Australia’s most popular ranges of switches and sockets, are the first to benefit from the new Quick Connect technology. Forget the slow process of stripping, twisting and screwing down conductors, Quick Connect cuts installation time in half. Quick Connect is ideal for volume users, as it saves time and greatly reduces human error, so call-backs and reconnections are almost eliminated.

- Insert approximately 23mm of unstripped cable and click terminations down, it’s that easy!
- Clear indication of correct termination is given.
- Colour coded sliders allow for easy identification of polarity.
- Suits 1.5mm² and 2.5mm² cable.
- Compatible with all 2000 and C2000 Series accessories.
- One conductor per terminal. Up to 4 Active, Neutral and Earth per unit.
- 250V 10A Rating.
- Complies with all relevant requirements of AS/NZS3112 and AS/NZS3099B-2.
Installation Cross Section

1. Insertion of cables and positioning screwdriver
2. Levering slider to CONNECT and retain cable
3. Levering slider to LOCK and retain cable (slider cut away to show cable)

Cable Retention

Lock-Jaw Cable Retention and Connection

When Quick Connect’s slider mechanism is moved to the locked position it clamps the cable firmly. The contact connection is held firmly under high pressure due to the 45° angled contact tags and guarantee cable retention in the toughest environments.
Clipsal now brings you the next stallion from the Quick Connect stable, the 413QC, a high-speed surface socket. **UP TO 50% FASTER INSTALLATION**

The High Speed Surface Socket

With the Quick Connect 413QC you can install a surface socket on a cable with lightning speed. No stripping and twisting cables, no screwing down conductors, you don’t even need to use a nail plate! (413QC can be adapted to a standard Clipsal nail plate (413NP) if required). Simply remove the cables outer sheathing to the required length (there is a template on the back of the product), lay the insulated cables into the terminal paths (follow the indicated polarity), close the lid, squeeze shut with your pliers, and you’re done!

The 413QC is designed for all loom wiring applications, except where Tee Off or where switching is required. For end cable applications, strip back outer sheathing 70mm.

Clamping of the insulation and sheathing of 2.5mm² TPS fulfills the requirements of AS/NZS3000.2000 (C3.3.9 and C3.7.2.5) so there is no need to use cable ties to anchor the cables. **Note:** 1.0 and 1.5mm² will still require cable ties.
Fast Track Your Connections

For a better connection in half the time, Clipsal Quick Connect utilises the patented KRONE LSA-PLUS® Insulation Displacement Termination method. This process forces the unstripped conductor into a specially designed terminal slot, which displaces the insulation and bites into the conductor.

1. Insulation clamping ribs hold the wire securely and isolate the contact area from vibration and mechanical stress.
2. Contact tag at 45° across the axis of the wire ensures a solid, gas-tight connection.
3. Unique axial and torsional restoring forces maintain a durable connection and isolates the contact area from vibration and mechanical stress.
Quick Strippers

852QCP
The Right Tool for the Job

Removing the sheathing for Quick Connect products can be tricky with standard pliers, but with Clipsal's Quick Connect pliers (852QCP and 852QCPH) it's a breeze.

These have a specifically designed blade that cuts through the sheathing but leaves the conductor's insulation intact. For end connection just slide the sheathing off completely. For mid connection see example below.

They are suitable for all Quick Connect products and because they include a cutting blade and crimping facilities they are suitable for all general applications of electrician's pliers. The 852QCPH version also has horns for extra safety and are 1000V rated.

No Heat Rise Worries

Quick Connect has been both cyclic load and heat cycled tested to ensure long life reliability. To prove its absolute safety, an extraordinary test of four times the current of 40A was run through the circuit for 310 cycles (13 days) of 45mins on and 15mins off. Quick Connect's temperature remained steady over the 310 cycles. Quick Connect has been tested over and above the requirements of Australian Electrical Standards AS/NZS 3112:1993.

Quick Connect is based on safe and proven IDC technology that was first released by Krone in 1983. Throughout the world, IDC terminations have been used in the connection of underground/overhead power cables and in the fluorescent lighting industry by more than 30 manufacturers.
Installation 2025QC & C2025QC

**Note:** Do not operate without cable.

1. For double insulated castings, strip outer sheath back 50mm minimum. Wire insertion length to the terminals should be 25mm (refer to template on product).

2. Insert the Active, Earth and Neutral wires into the terminal holes in the appropriate sliders WITHOUT stripping the insulation. The sliders are colour coded.

3. **Initial connection into terminals:**
   - Insert a 5mm flat bladed insulated screwdriver into the corresponding rectangular actuating slot.
   - Screwdriver should be placed perpendicular to the power outlet housing in order to correctly locate the levering mechanism.
   - Maintain pressure while levering slider quickly forward into the connected position.
   - The screwdriver should move to an angle of approximately 60°, the visual indicator post moves from the "0" position (disconnected) to the "1" position (connected) when the connection is complete.

4. **Locking connection into terminals:**
   - Re-insert the blade of the screwdriver into the rectangular actuating slot, perpendicular to the power outlet housing.
   - Holding the screwdriver firmly, maintain pressure while levering slider forward into the locked position.
   - The screwdriver should move to an angle between 5° & 10°. The visual indicator post may move slightly past the "1" position when locking is complete.
   - Repeat this operation for each slider.

**Important:** Failure to correctly **lock** connection will compromise termination.

5. To disconnect conductors, use the reverse operation.

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Installation 413QC

1a. MID CABLE CONNECTION
Remove outer sheathing ONLY to required length of approximately 46mm (mid connection) using stripping template on lid (see diagram below).

1b. END CABLE CONNECTION
For end connection remove 70mm of the outer sheathing.

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2a. MID CABLE CONNECTION
Lay cable into terminal paths, ensure correct polarity by following colour coding.

2b. END CABLE CONNECTION
When connecting at cable end, place tails into individual insulated castings.

3. Close lid and squeeze with pliers till both "clips" latch.

4. To re-open insert screwdriver and twist to release clips on both ends.

**NOTE:** To ensure adequate connection, do not re-install socket in the same position on cable.
**Specifications - 2025QC, C2025QC**

- **Rating:** 250V – 10A
- **Conductor Range:** 1.5mm² to 2.5mm² solid/stranded to AS/NZS 5000. DO NOT use for conductors outside this range.
- **Number of Conductors:** One conductor per terminal. Up to 4 Active, Neutral and Earth per product.

**Typical Wiring Arrangement**

- **Neutral:**
- **Earth:**
- **Loop:**
- **Active:**
- **Supply In:**

**8524CP & 8524CPH**

- **Size:** 200mm length.
- **Handles:** Bright orange, insulated handles with sure grip. 8524CPH pliers have horns.
- **Crimper:** Crimper built into handle for use with non-insulated 1.5 - 6mm connectors.
- **Blade:** Specific blade to cut through outer sheathing of 1.5mm² & 2.5mm² 3 core TPS cables.
- **Cutter:** Hardened cutting jaw cuts through flat multicore & 5 x 2.5mm² orange circular cables.
- **Jaws:** Serrated jaws provide secure gripping surface.
- **Rating:** 8524CPH pliers are 100V rated (8524QCP are not voltage rated).

**Product of Clipsal Australia Pty Ltd**

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