

## Cable Jointing Accessories

### Junction Boxes

An electrical junction box is a container for electrical connections, usually intended to conceal them from sight and deter tampering. They are often installed in roof cavities, under floors or within wall cavities. They are typically made of PVC or plastic material with or without electrical connectors or connection terminals.

#### Junction Boxes shall:

- Comply with AS 60529 (Degrees of Protection Provided by Enclosures)
- Be constructed of impact-resistant plastics
- Be designed for quick convenient wiring
- Have adequate knock-outs on all sides for cabling or conduits
- Be supplied with fixing screw(s) in cover to prevent accidental contact to live parts
- Have a base plate that can be screw or nail fixed to metal or timber structures.

### Cable Connectors

An electrical cable connector is an electro-mechanical device for joining electrical circuits as an interface, using a mechanical assembly. The connection may be temporary, as for portable equipment, or may require a tool for assembly and removal, or may be a permanent electrical joint between multiple wires. There are multiple types of electrical connectors available in the Clipsal range.

#### Cable Connectors shall:

- Comply with AS/NZS3100 (Approval and Test Specification - General Requirements for Electrical Equipment)
- Be supplied in either single screw for standard conductors or two screws (specifically for Earth connections)
- Be suitable for connecting multiple conductors up to manufacturer's recommendations
- Be Clipsal 562 (bare) or 563 (insulated) Series connectors
- Be transparent or grey in colour (only exception is uninsulated or bare connectors as per 562 Series).

### Strip Connectors

Strip connectors provide similar solutions to cable connectors, however being supplied in strips allows the installer to connect multiple cables in a neat format. They may also be cut down to suit smaller enclosures or smaller cabling applications

#### Strip Connectors shall:

- Comply with AS/NZS3100 (Approval and Test Specification - General Requirements for Electrical Equipment)
- Be supplied in 12 terminal lengths and be in the standard colour of grey
- Be easily cut down into any unit length
- Have anti-tracking platforms to prevent stray wire strands inadvertently touching metal surfaces
- Have double entry terminal to allow for 'through wiring'
- Have either 15A or 20A ratings
- Have optional pressure plates for secure clamping of fine stranded cable.