



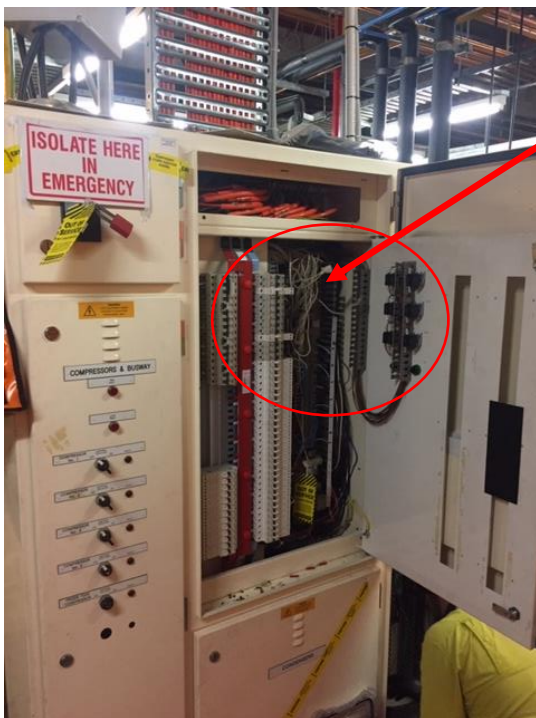
Electrical Shock Incident

Alert No. HSEQ-SA-088
Date of issue 09/12/2019

Hazard/incident description:

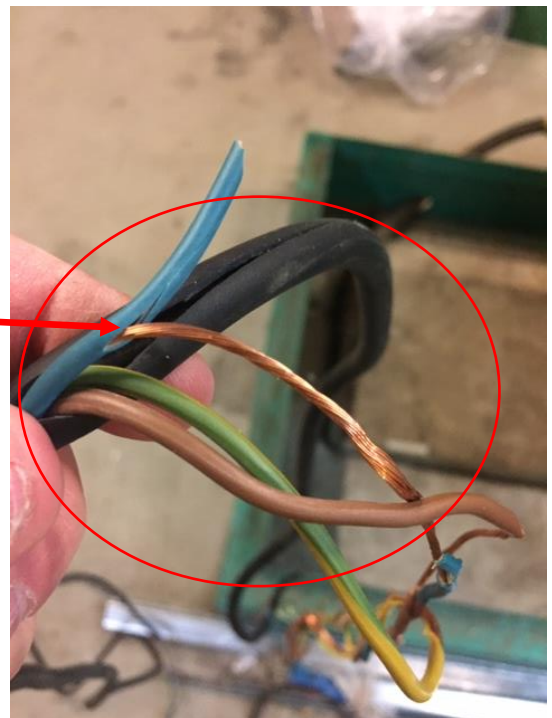
Contractor was performing an inspection of the cabling terminations in a supermarket plant room switch board with the escutcheon panel in the open position and the board energised. This was in preparation for commissioning of a split condenser valve for a cold chain project.

While waiting for technicians to finalise the installation of the split condenser valve in the adjacent area the contractor identified existing untidy cabling behind the panel and made the decision to tidy the cables by pushing them to the rear of the board. The contractor pushed the cables with his hand and contacted an exposed energised wire resulting in an electric shock to the finger.



Untidy wiring within switchboard.

Substandard insulation on the wires inside the switchboard.



Contributing factors:

- Worker was reliant on the insulation on the cabling for protection from potential electrical shock.
- Worker did not wear low voltage insulated gloves.
- Existing cable was of a substandard manufacturing process.

Actions to be taken:

- The non-compliant cabling to be inspected and removed from switchboards in the plant room.
- The contractor has been issued with a corrective action to update their SWMS to address the non-conformances relating to identification of electrical hazards for installing cables in energised cable ducts and working near energised cables in switchboards.
- Isolation of switchboards is required when any physical inspection, including touching of insulated cables is undertaken.
- Technicians are to be reminded that appropriate PPE is to be worn/used during live access work, including testing – LV gloves, face shield or safety glasses, insulated mat/barriers.