

Number	2023-26	Date of Issue	22.12.23
Date of Incident	22.11.2023	Incident Classification	L1 - FAC

Summary:

the IP was an electrician pulling and dressing cables for a cabinet in the underfloor containment of and Electrical (E) House. A coiled cable not identified but labelled was laying on top of the main containment. The end of the cable was stripped back exposing the conductor. Moving the cable over to dress the newly installed cable, the IP received a shock when touching the cable end and fell backwards hitting his right elbow against the panel behind. Although the incident was classified as a Level 1 First Aid Case, there is a wider learning opportunity associated with this incident.

Outcome: The IP suffered a minor bruise on the elbow. The circuit was identified and isolated.

Pictures:



Re-enactment using isolated cable



Disconnected transformer boxed for transportation

Root Cause and Contributory Factors	Lesson Learned
<p>Immediate/Direct Cause</p> <ul style="list-style-type: none"> The IP touched a live cable which had been disconnected and left under the floor without insulating the bare conductor. <p>Contributory Causes</p> <ul style="list-style-type: none"> In the TAKE 5 form, the risk of working around energized equipment is not stated. In the electrical commissioning RAMS, Physical checks of equipment is not specified before energisation. <p>Root Cause</p> <ul style="list-style-type: none"> The supplier stated in the Inspection certificate that the transformer and power cable were ready for use, but sent the E-House to the site with the transformer disconnected. 	<ul style="list-style-type: none"> QA to check that suppliers are aware of the requirement to clearly document any changes to equipment condition after certification of testing. Commissioning Rams should include a requirement for a basic physically check of assembled equipment's prior to energising. Once the plant starts to become live, Take 5 POWRAs should detail nature of live services nearby. Even if they are not intended to be worked on. This information will be available from the LOTO Manager.