

## ELECTRICAL FLOOR BOXES



**It has been brought to the attention of the ETU that there are inherent risks associated with the use of certain electrical floor boxes, in some cases resulting in significant personal injury by way of electric shock.**

When electrical cables are allowed to exit from the side of a current floor box, and lid is then closed, it acts as a guillotine. Exposed wires from sheared or cut cables may come into contact with parts of the metallic floor box, which has the potential to make the entire box 'live' and pose a major electrocution hazard.

### **AS3000: 2007 WIRING RULES**

#### **1.7 SELECTION AND INSTALLATION OF ELECTRICAL EQUIPMENT**

##### **1.7.1. Essential requirement**

Electrical equipment, forming part of an electrical installation, shall be selected and installed to;

- (a) operate in a safe and reliable manner in the course of normal operating conditions;
- (b) not cause a danger from electric shock, fire, high temperature or physical injury in the event of reasonably expected conditions of abnormal operation, overload, fault or external influences that may apply in the electrical installation;
- (c) be installed in accordance with the manufacturer's instructions; and
- (d) facilitate safe operation, inspection, testing and maintenance.

It is the recommendation of the ETU that the above type of electrical floor boxes pose an immediate risk to the end user and should not be installed.