



ALERT

3 March 2010

CABLE PULL FAILURE

Background

Recently on a construction site in Perth's CBD the electrical contractor was in the process of pulling a 50mm Diameter fire rated cable from basement 2 to level 21.

The pulling "sock" which was attached to the end of the cable slipped off, causing the cable to drop from level 16. It started to spool on the ground floor and basement 1.

All entry points to the riser had been bunted off and signage displayed stating activity occurring.

No one was injured from the incident.
Cable was in no state to be used and was recycled.

Root Cause

The cable's orange shield had stripped away from where the sock had been placed on the end of the cable. Refer to photos.

Corrective action

Cables now are required to be spliced and shackled to pull line, in addition to pulling sock bolted through cable. Ref photos.



View of orange shield stripped away from 50mm fire rated cable.



View of corrective actions, shackles attached through cable splice to pull line as secondary safety control as well as sock bolted through cable.