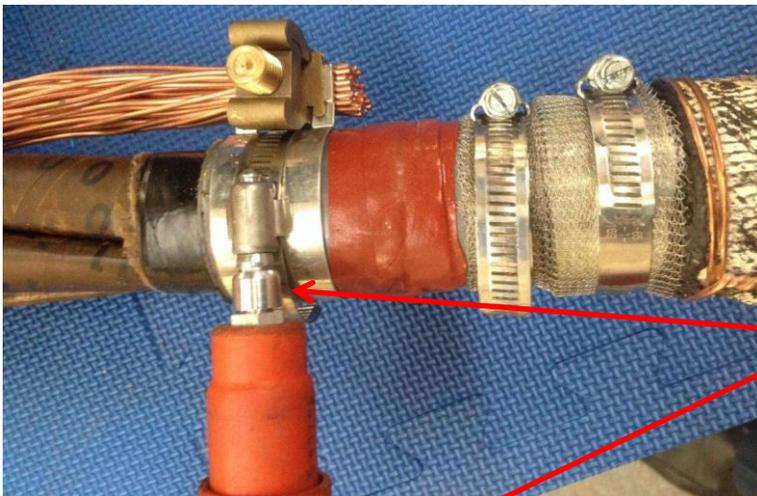




Fitting Mechanical Earth Bonds to PILC Cables

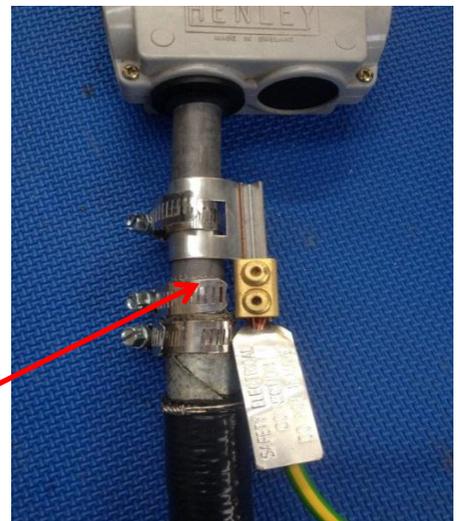
- All mechanical connections onto lead sheaths require the correct torque to be applied. Too tight and the lead sheath will “creep”. Too slack gives a poor connection.
- All mechanical earths from suppliers are fitted using torque control devices.
- All jointers are trained how to correctly fit earth bonds and how to use the torque limiting devices. These are the only Approved methods of fitting earth bond kits.
- Incorrect fitting or improvising will lead to premature failure.



Correctly fitted Tyco LV earth bond kits (used in SPM area). Finally tightened once jointing is completed with a shear-off torque controlled device



PILC service cable earth bond fitted at joint and cut-out position using tinned copper strap & braid and torque controlled with worm drive clips

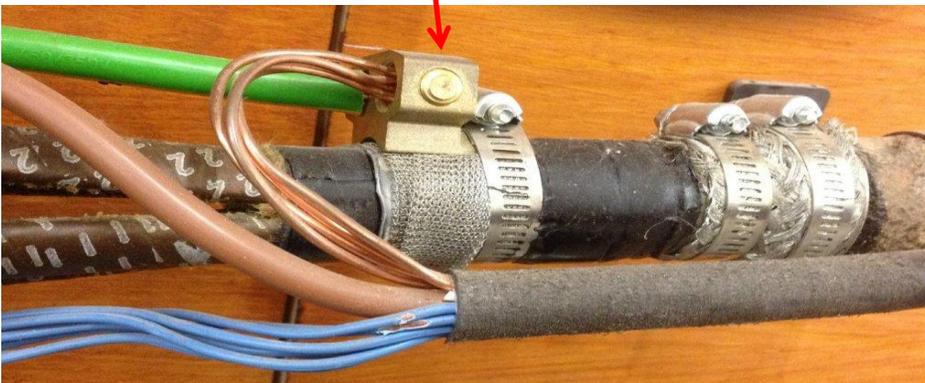




Fitting Mechanical Earth Bonds to PILC Cables



Correctly fitted Sicame earth bond kits (used in SPD area). All worm drive clips onto the lead sheath of PILC cables have been torque controlled



Recommendations and action points

- Subject experts from each district have been familiarised with correct fitting techniques and will roll out to team leaders.
- Team leaders to reinforce importance of good QA and correct fitting techniques of mechanical earth bond kits to jointers at next team meeting.
- Any new LV joint failures to be returned to AS&NP for forensic analysis.