NOTE:
When smaller sized solid conductors are required, flat nut and standard nuts will exchange positions.

1. All cables shall be insulated. Metal shielding shall be attached to grounding bolt in signal house.

2. Insulation on solid conductors shall be removed and the exposed wire thoroughly cleaned to provide good conductivity. Take care not to nick or damage the wire.

3. The bare wire shall be formed to produce an excluder which shall be placed over the bonding post. The excluder shall be used to provide a tight fitting joint around the post but loose enough to easily slide on and off.

4. A flat washer shall be placed on the bonding post. The excluder shall then be placed on the post followed by another flat washer. The excluder shall be applied and securely tightened with a terminal wrench.

5. Insulation on flex conductors shall be removed using a spring loaded stripping tool recommended by the manufacturer of the wire and the exposed bare wire thoroughly cleaned to provide good conductivity.

6. Excluder shall be attached to flex conductors. Only Caltrain approved excluders shall be used. A compression tool recommended by the manufacturer of the excluder shall be used to attach the excluder.

7. A flat washer shall be placed on the bonding post. The excluder shall then be placed on the post followed by another flat washer. The excluder shall be placed on the post followed by a flat washer. A nut shall be applied and securely tightened with a terminal wrench.

8. An insulated test link shall be installed once the solid conductors and excluders are attached. The test link shall be secured using one flat and one brass nut and the circuit closed by applying the brass nut.

9. Flex conductors shall be tinned using tinning approved tags.

10. Where possible, splice solid conductor cables shall be attached to splicing points. No more than one solid conductor shall be secured to a post.

11. Splicing splices, termination of cable conductors and equipment wiring, two methods shall be used in conjunction. This method is recommended. If a separate test terminal is desired, separate test terminals shall be installed in each end of any cable terminated to individual cable conductors may be isolated without removing conductor from terminal.