

Construction News - Engineering

Insulation Stripping on Pole Substation 25mm² Copper Conductor Connection

- > Drawing CEOM7104.20 has been updated after joint investigations by the Mains & Standards team with the field staff and the Power Quality team
- > The requirement to strip insulation on the HV dropper cable on a Standard Construction, from the live line clamp to EDO fuse to reduce Radio Frequency noise in salt areas, has been removed
- > Where a bridging insulator is used due to the cable length between the bail clamp (item 1 below) and the top of the HV EDO, the conductor (item 4) shall only require the insulation to be stripped where it is hand tied to a bridging support insulator.

Background – what happened?

Investigations have found that the insulation stripping requirement over the full length of the 25mm² Copper (Cu) conductor **between the bail clamp and the top of the HV EDO fuse**, as noted on drawing CEOM7104.20, has not occurred in practice.

Mains & Standards, Field staff and Power Quality team investigations have found radio frequency (RF) interference not to be an issue at this location and the conductor insulation should remain.

What happens now?

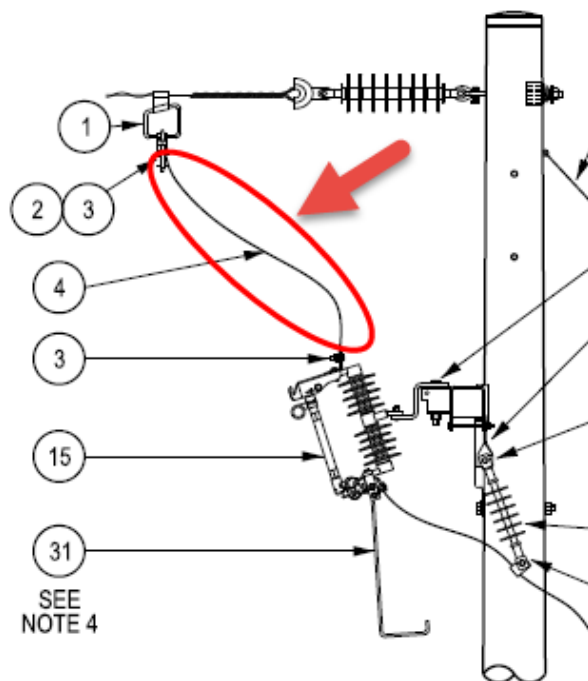
The requirement to strip the entire length of the 25mm² Cu conductor insulation in salt areas, has been removed from CEOM7104.20.

Where a bridging insulator is to be used due to the cable length between the bail clamp (item 1 shown to the right) and the top of the HV EDO, the conductor (item 4) shall only require the insulation to be stripped where it is hand tied to a bridging support insulator.

What do you need to do?

Field staff and ASPs should familiarise themselves with the changes to the drawings before building new and refurbished constructions.

The latest drawing CEOM7104.20 Issue 13 is now available via the Standards online portal on the Essential Energy website.



Extract from Standard Construction Drawing
CEOM7104.20



More information is available on [Standards Online](#). If you have any questions, please contact: Stephen Palmer, on 02 6589 8712 or David O'Brien on 02 6588 6782