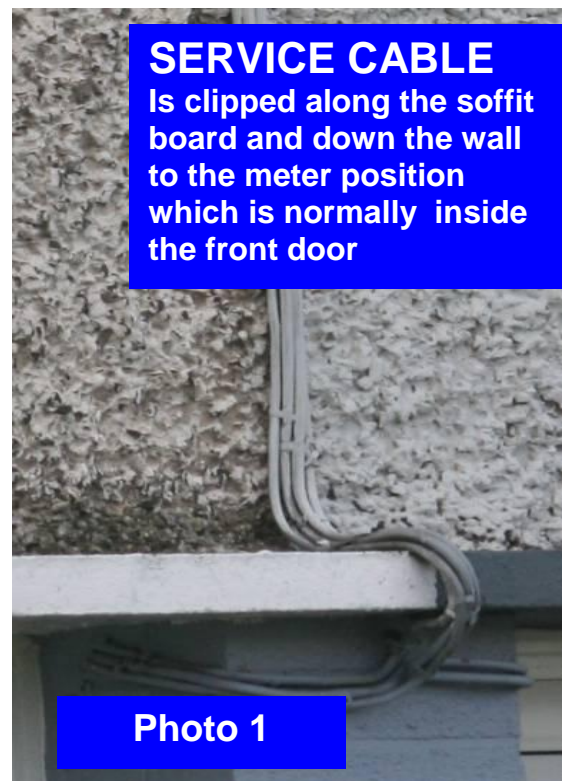
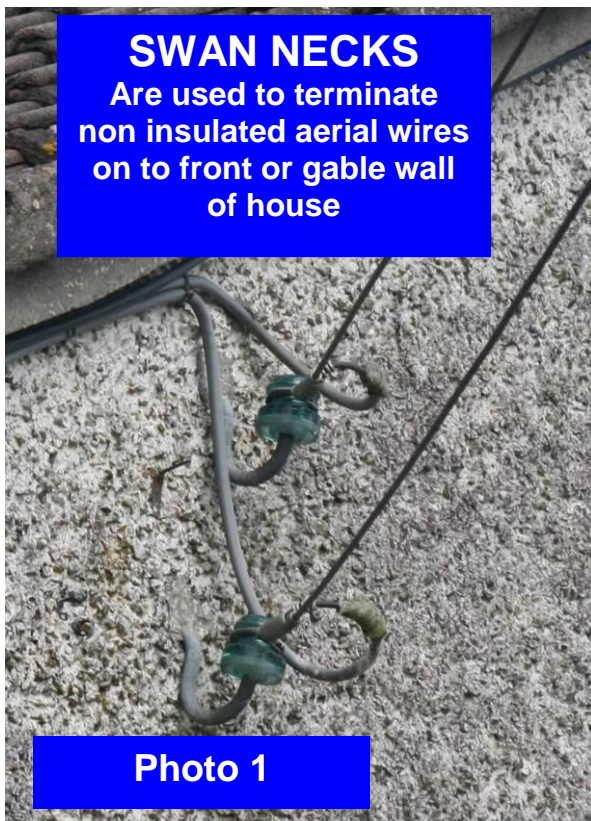


JobAid

EXTERNAL WALL INSULATION Guide for Householders and Installers to ESB Networks requirements

Introduction

Houses which are suitable for external wall insulation are in most cases connected to the ESB network mains by means of an overhead aerial and a clipped service cable. This arrangement is usually attached to the front and gable walls of the house.



Safety

For safety and security reasons: ESB Networks require that overhead service cables must not be covered or concealed by plaster or any other type of rendering.

The fixing of external wall insulation over ESB NETWORK CABLES IS NOT PERMITTED UNDER ANY CIRCUMSTANCES AND IS POTENTIALLY DANGEROUS.

Where these situations are encountered; Installers must not attempt to remove or touch any cable or aerial conductor belonging to ESB Networks. This work is 'LIVE WORK' and must only be carried out by persons who are trained and approved by ESB Networks to carry out 'LIVE WORK'.

Approved Code of Practice

SUSTAINABLE ENERGY IRELAND has issued a code of practice for installation of External Wall Insulation. ESB Networks have inputted their requirements into this code of practice. ESB Networks will facilitate the repositioning of its cables to enable this work to be carried out in safety.

Contacting ESB Networks

ESB Networks can be contacted by calling **1850-372-757**. To request a site meeting, the **Meter Point Reference Number (MPRN)** for the property where the work is being carried out is required. An **MPRN** number is a unique 11 digit number which is recorded on the electricity bill for the property.

N.B. The call centre will not be able to set up an appointment for a site meeting without the MPRN.

Alternatively:

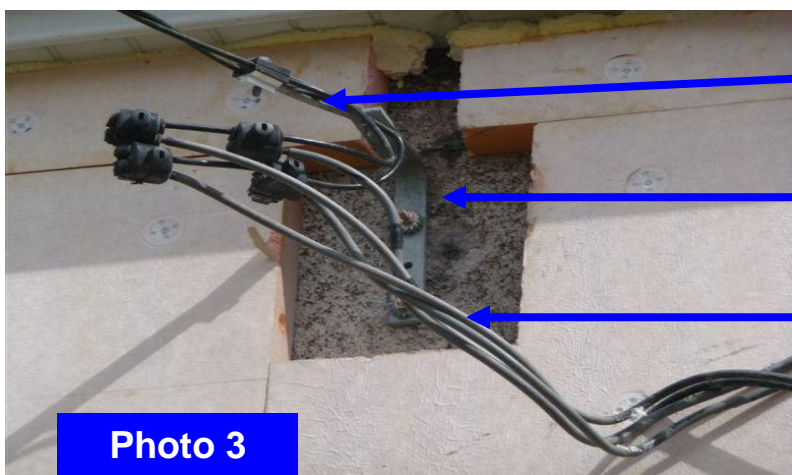
Each SEI approved installer has received an electronic version of the ESB Networks National Code of Practice for Customer Interface: Contact details for all ESB Network Engineering depots are listed in Appendix E.

ESB Networks will require a minimum of 5 working days notice of a proposed site meeting.

Site Meeting

As part of the initial site meeting ESB will carry out all preliminary work to enable the installation work to commence. This preliminary work will include;

- **Unclipping of existing service cable**
- **Removal of swan neck insulators and fitting of new aerial bracket**
- **Installation of ABC aerial if existing aerial is bare or PVC covered**



**New Aerial Bundle
Conductor to overhead
Network**

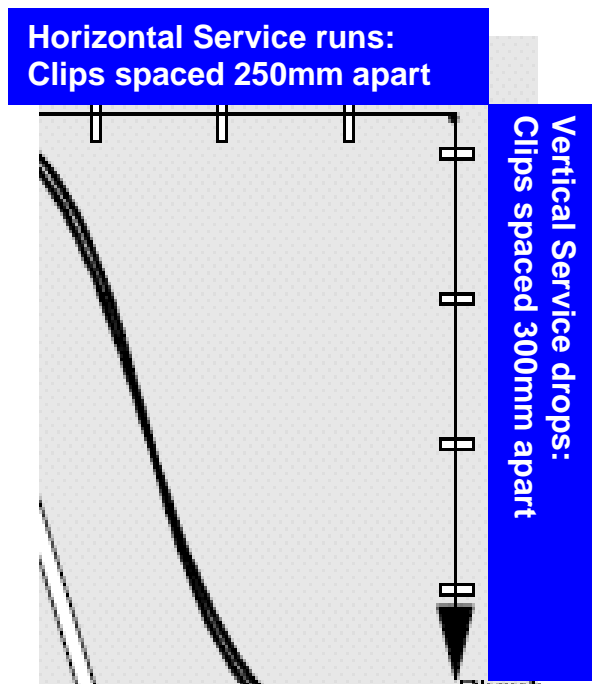
New aerial bracket installed

**Existing service cable
unclipped**

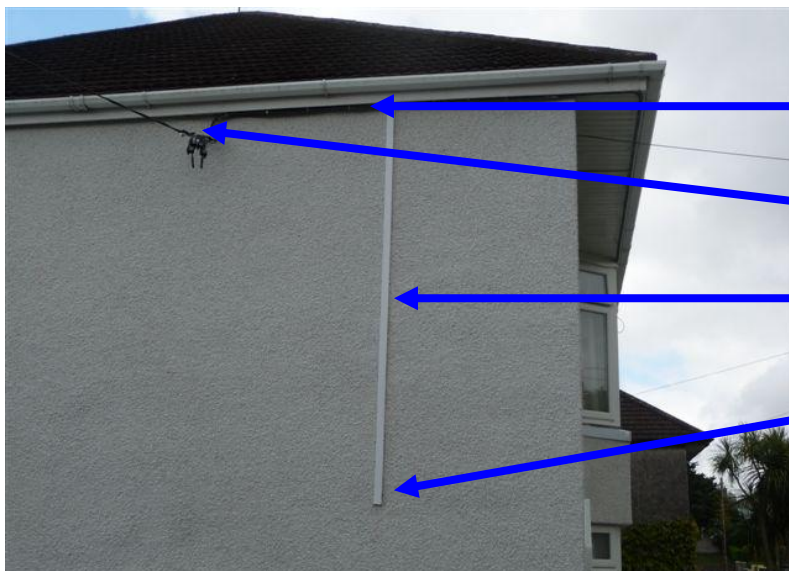
Photo 3

Reinstatement

ESB Networks will only re-clip the service cable along its existing route where there is no direct contact between the ESB Networks service cable and the wall insulation (e.g. expanded polystyrene) having been notified by the installer that the work is complete. The installer will be required to fit screw fixing elements for clips along the route of the service. These screw fixing elements should be spaced at 225mm intervals for horizontal runs and 300mm intervals for vertical drops. They must have sufficient mechanical strength to support the service cable. The location of these screw fixing elements shall be marked on the finished render to avoid the risk of damage to the render during re-clipping.



Alternatively: The service cable can be placed in a 50mm by 50mm upvc trunking. The installer is responsible for supplying and fitting the trunking. The trunking must be securely fixed



Existing service cable clipped to soffit board

New Aerial bracket extends beyond finished render

50mm X 50mm upvc trunking for vertical service drop

Existing lead in pipe extended to trunking. Trunking covers mouth of lead in pipe

Outdoor Meter Cabinet

In some cases the house holder may have relocated the ESB meter from an inside meter board to an outside meter cabinet. If this situation is encountered the installer needs to adapt the meter cabinet to fill the recess created by the addition of external wall insulation



Photo 5

Outdoor meter cabinet

Do not attempt to move the existing cabinet. Doing so will disturb the existing connections and increase the risk of damage to the cables connected in the cabinet

The ESB Networks service cable to the meter cabinet may be either a;

- **Wall mounted clipped service**
- **An underground service cable from the ESB Network**

Where the ESB Networks service is clipped to the wall, ESB Networks will be required to unclip the service.

Where the connection to the cabinet is by means of an underground service cable which is protected by an approved HD Polyethylene pipe along its full length from the cabinet to the network, it is safe to proceed with the fitting of the insulation.

If it is necessary to drill or fit any fixings to the existing wall directly beneath the meter cabinet, extreme care is required otherwise you may drill through a live cable.

In both instances the meter cabinet will have to be extended to fill the recess created by the addition of the insulation. A lead in pipe will need to be provided where the clipped service enters the cabinet. The cabinet extension must seal the enclosure and no wall insulation should be visible.

Meter cabinets are manufactured to a specific standard to reduce the effects of fire. Do not introduce an extension which is of a lower standard. ESB Networks will be able to offer advice on extensions which meet the standard.

Any work additional to that outlined in this document will be considered by ESB Networks as a service alteration. ESB Networks apply a fixed charge which must be paid in advance for all service alteration work.