

Specification for Standard Non-Scheme Domestic Underground Service to an Outdoor Meter Cabinet (low-voltage service not exceeding 50m) from an Overhead Network

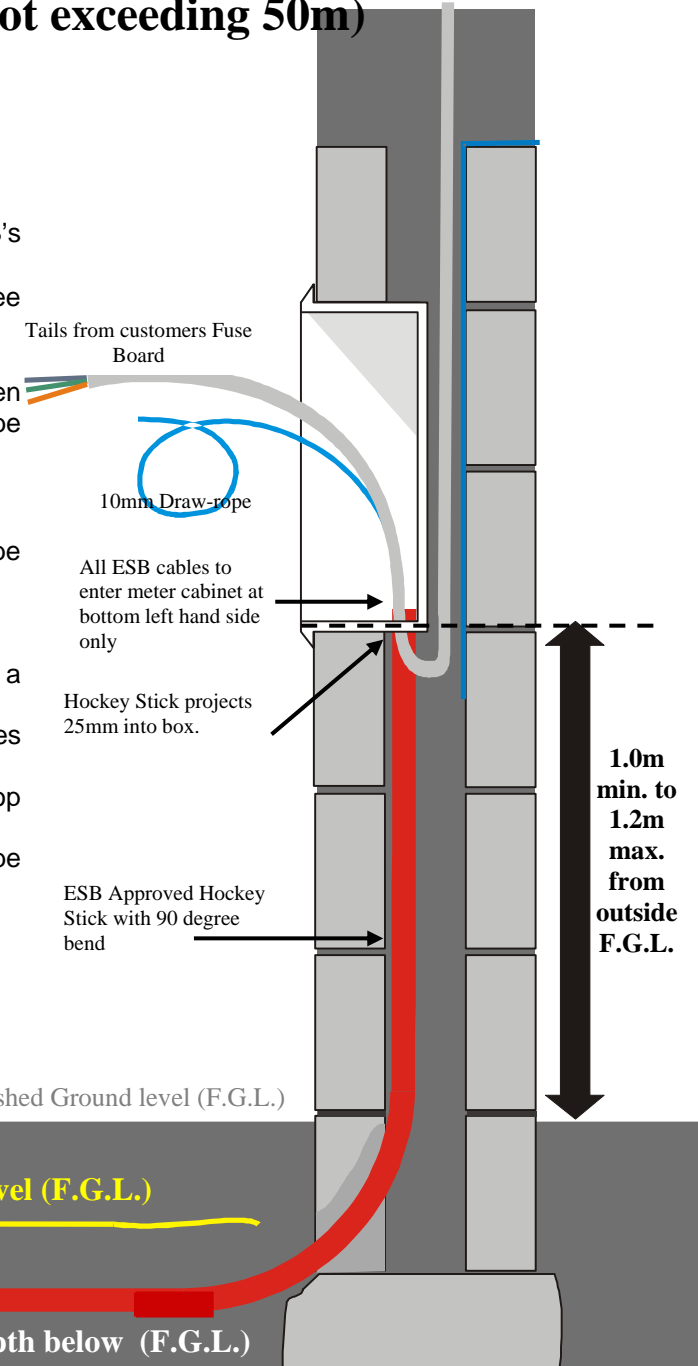
The Customer must ensure that:

- The service pole and the complete run of the duct are both within the site boundary. ESB's Engineering Officer will confirm the service pole position and the ducting route on-site.
- An outdoor meter cabinet, to ESI Standard 12-3 (1986), is installed in a suitable location, see overleaf.
- An ESB approved "hockey stick" is installed at the meter cabinet position.
- Red ESB approved 50mm service ducting is installed at a minimum depth of 600mm between the hockey stick position and the service pole. Yellow ESB cable warning tape must be installed at a maximum depth of 300mm below ground level along the full length of the duct.
- Corrugated Ducting of any colour is not permitted.
- The duct shall be as straight as possible and free of sharp bends.
- A continuous and strong 10mm polypropylene draw rope is installed in the duct. It must be free of knots and secured at both ends of the duct.

Notes:

1. It is essential that the ESB cable does not come into contact with the cavity insulation. Allow a projection of 25mm of the hockey stick into the base of the cabinet.
2. There must be a minimum clearance of 100mm between the service duct and other services on the house-holder's property.
3. ESB will provide black UV light-resistant ducting from below the finished ground level to the top of the service pole.
4. For poles more than 50m away from the cabinet, 125mm red ESB approved ducting shall be used with an ESB approved service vault at the junction of the duct and the hockey stick.

Connection will only be made after all above requirements are meet.



Duct end sealed with plastic wrapped adhesive tape

10mm Draw-rope

ESB yellow warning tape at max. depth of 300mm below finished ground level (F.G.L.)

Red ESB approved 50mm Solid wall MDPE duct @ 600mm min. depth below (F.G.L.)

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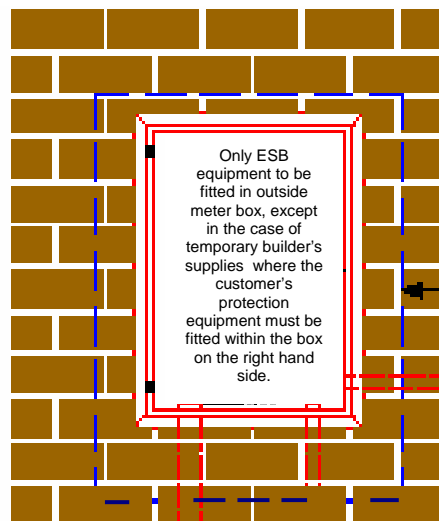
Location and Installation of Metering Cabinet

For Standard Non-Scheme Domestic Connection

Location

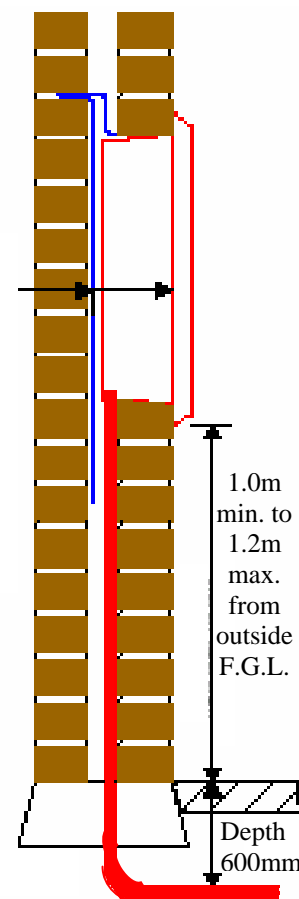
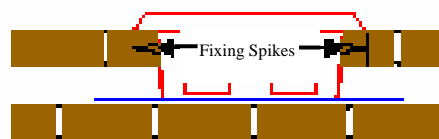


Installation



Side profile

Flange of cabinet to be water sealed and polythene damp proof course to be fitted by builder.



Customer Tails



Cable entry and exits must be through the bottom of the box, with the ESB cables to the left and the customer tails to the right.

Customer tails may also enter through a drilled hole at the bottom right hand side of the box.

- An outdoor meter cabinet must be provided for the ESB meter(s).
- The meter cabinet must be directly accessible from the main entrance driveway. A position on the house wall facing the driveway, or within 2m of either corner of this wall is normally acceptable subject to proper access.
- If any further queries remain in relation to the location of the cabinet, please discuss them with your local ESB representative.
- **NOTE: Unacceptable positions will not be connected (these include behind security walls/gates or in porches)**
- **NOTE: Damaged cabinets will not be connected**
- **NOTE : Meter cabinet must comply with ESB specifications**

- To comfortably accept the above cabinet, builders should provide an opening of 606mm (h) x 402 (w) x 155 (d).
- Ensure that the door hangs so as to allow the latch to fall into a closed position.
- The installation of the meter cabinet and hockey stick duct into the wall and cavity must be in accordance with best building practices (i.e. CIF standards). The hockey stick duct must be brought up the cavity into the cabinet at foundation construction stage.
- If the house does not have any cavity walls, the duct must be embedded in the wall, either by building it into the wall or channelling the wall.