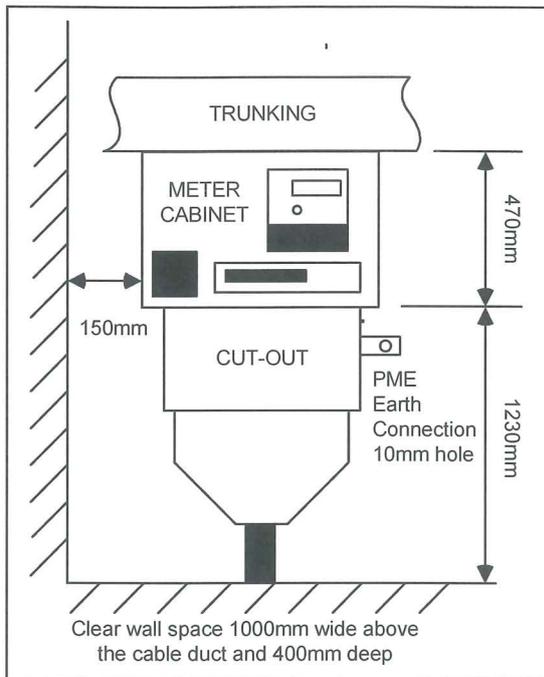


## Meter Point Installation and Space Requirements for Connections with Maximum Power Requirement between 70 - 300KVA (MP1 Form)

To comply with the ESQC Regulations, a minimum clear working space of **1800mm** must be maintained to provide adequate working space in front of both the cable termination and the metering cabinet. A minimum of **150mm** must be left to allow the meter cabinet to open as it is hinged on the left hand side of the cabinet.



**TRUNKING:** The trunking is to be supplied and fitted by the customer (see table for sizes of trunking required).

**METER TAILS:** These will be Stranded Copper or Tri Rated of a round section and be long enough to reach the cut-out via the meter cabinet. UK Power Networks will make the connection to the cut out (see table for sizes).

**LUGS:** The Lugs, where required, are to be supplied by the customer and must have a 16 mm hole.

**MAIN EARTH LEAD:** This will be half the size of the main tails. The earth lead must exit the trunking and not pass through the meter cabinet. Only one conductor can be terminated at UK Power Networks PME connection.

**ALL BONDING:** To be in accordance with the P.M.E. requirements of BS: 7671 and must be complete before connection can be made. This will include where applicable: Gas – Water - Structural Steel – Flow & Return of Central Heating System – Lightning Conductors (Internal & external) - Air conditioning systems – Any other services.

**ELECTRICITY SUPPLIER:** An Electricity Supplier will need to be appointed before a supply can be made available. Please note that some Electricity Suppliers require twenty working days to register your MPAN.

**METER OPERATOR:** You will require a Meter Operator (MOP) to install the meter that records the energy you have consumed. If you use a MOP that is not accredited to insert fuses on the UK Power Networks' network and 'energise' your installation then UK Power Networks will impose an additional charge for returning to site and completing the 'Energisation task'.

### Conductor size, fuse ratings and trunking requirements

| Max power Requirement KVA | Fuse Rating in AMPS | Stranded Copper Conductor Size (mm <sup>2</sup> ) | Tri Rated Conductor Size (mm <sup>2</sup> ) | Main Earth Lead Size (mm <sup>2</sup> ) | Recommended Trunking Size (MIN) |
|---------------------------|---------------------|---|---|---|---------------------------------|
| 70-115                    | 160                 | 50  | 100*  | 25                                      | 150X150                         |
| 116-144                   | 200                 | 70  | 100*  | 25                                      | 150X150                         |
| 145-172                   | 250                 | 95  | 100*  | 50                                      | 150X150                         |
| 173-201                   | 300                 | 120   | 120   | 70                                      | 150X150                         |
| 202-230                   | 355                 | 150   | 150   | 95                                      | 150X150                         |
| 231-276                   | 400                 | 185   | 185   | 95                                      | 150X225                         |
| 277-310                   | 500                 | 240   | 240   | 120                                     | 150X225                         |

**Note:** Where a 200A cut-out is installed and Tri Rated meter tails are provided these may be of an equivalent cable size to Stranded Copper. Where a 400A cut-out is installed the minimum size of Tri Rated Cable permitted is 100mm<sup>2</sup> due to the connector installed in the cut-out.