

Notes of guidance for the

use of electricity cable ducts

Ducting for electricity cables

Under the Electricity Safety, Quality, and Continuity Regulations 2002, all underground electricity cables must be installed into PVC ducts. Earthenware ducts are no longer acceptable.

If you're carrying out on-site excavation, you're responsible for the installation of a black PVC duct from the proposed new meter position to the proposed new cable joint position. The size of the duct required will be specified in our quotation.

The ducting must be black PVC pipe to conform with Electricity Association (EA) Technical Specification 12-24 - Plastic Ducts for Buried Electrical Cables. The manufacturer's identity, together with the wording "Electricity Cable Duct", must be clearly marked in white on the outside surface of the duct. The markings should be repeated three times per metre and should withstand normal handling, storage and installation conditions to remain legible. A draw cord must also be installed.

Ducts should be laid at a nominal depth of 450mm below gardens and paths, 750mm below roads and 1,000mm below agricultural land. These measurements should be made from the top of the duct to finished ground level. All ducting must be laid with electrical cable warning tape, which should be installed at a depth of 240mm below gardens and paths, 100mm below roads and 650mm below agricultural land.

Note: all cables and ducts for LV mains and 11kV circuits are to be installed by Central Networks or its agents.



Polypipe

Outside diameter is 38mm. To be used for single-phase service cables only.



Rigiduct

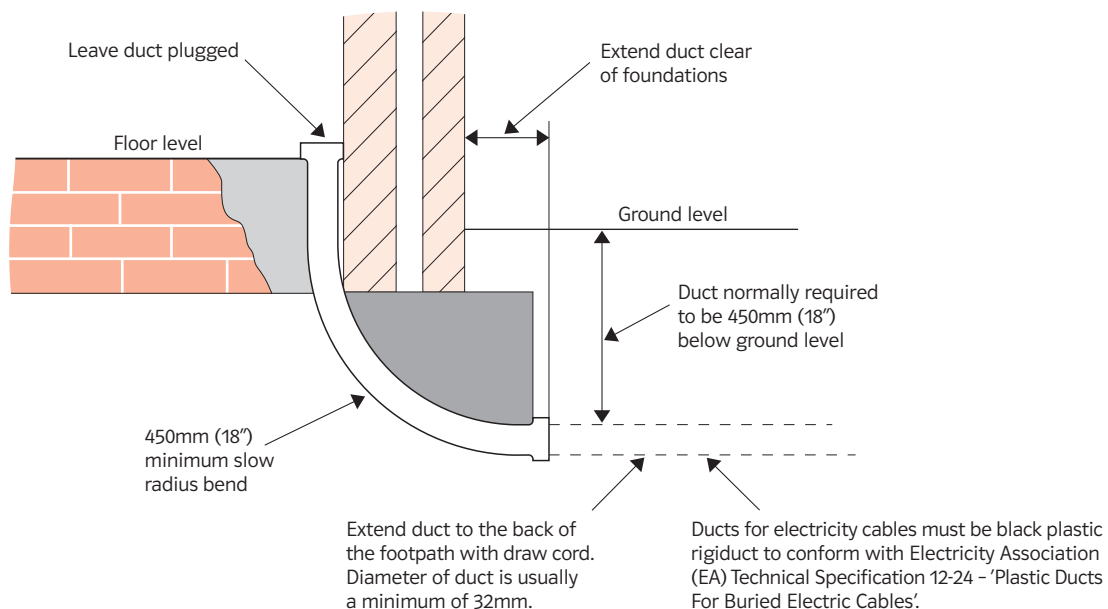
Outside diameter is 125mm. To be used for three-phase service cable, mains cable and road crossings.

Ducting for internal positions

An internal meter position is only acceptable if the building is listed or sited in a conservation area and the local planning authority has refused an outdoor installation. For commercial supplies, you must be able to demonstrate that factors such as shop frontage prevent the meter box from being installed on an external wall.

Internal positions require ducting from underground (450mm deep outside) using a 90°, 450mm radius slow bend duct with a minimum diameter of 32mm for single-phase and 125mm for three-phase supplies.

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Further information

Further information about how to prepare a trench is available at eon-uk.com/services