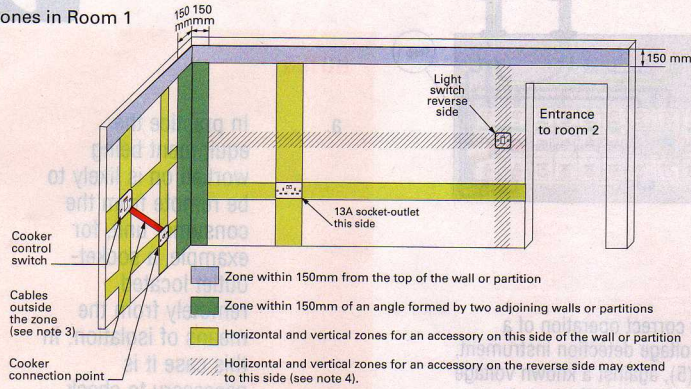


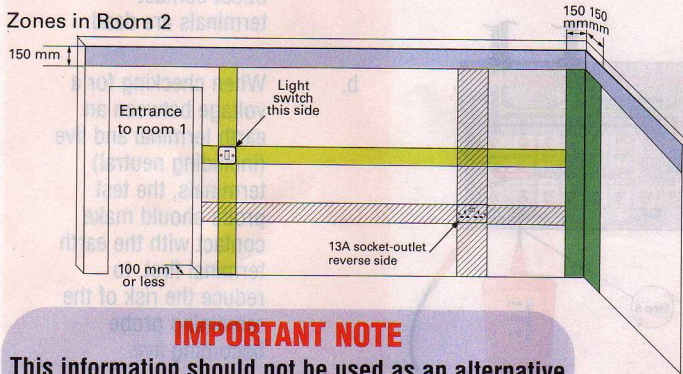
**PERMITTED CABLE ROUTE ZONES**



Zones in Room 1



Zones in Room 2

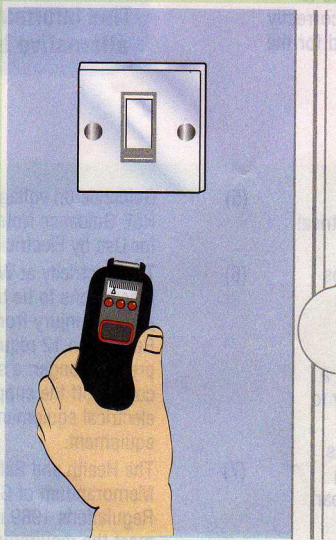


**IMPORTANT NOTE**

This information should not be used as an alternative to the actual wiring regulations. BS7671 IEE Wiring Regulations should always be used for all electrical installations.

**ALWAYS CHECK FOR CONCEALED CABLES OR GAS OR WATER PIPES BEFORE DRILLING HOLES OR DRIVING A NAIL OR SCREW ETC. INTO A WALL OR PARTITION.**

**A CABLE/PIPE DETECTOR SHOULD HELP TO IDENTIFY THE PRESENCE OF CONCEALED CABLES OR PIPES. WHERE POSSIBLE DETECTION SHOULD START AT AN ACCESSORY AND END WHERE DRILLING ETC. IS INTENDED.**



**NOTES**

- (1) This guide applies to cables concealed in a wall or partition at a depth of less than 50mm from the surfaces of a wall or partition. The guide is not intended to replace the requirements of Regulation 522.6.6 in BS 7671: 2008.
- (2) The example illustrated shows zones for concealed cables in a wall or partition between Rooms 1 and 2.
- (3) Concealed cables at a depth of less than 50mm from the surface of the wall or partition must not be routed outside the zones illustrated, except where protected as described in Regulation 522.6.6 (i) to (iv) (for example, earthed metallic covering or enclosure, or mechanical protection). Cable capping is unlikely to be suitable.
- (4) The doorway between Rooms 1 and 2 allows the location of an accessory on one side of the wall to be determined from the reverse side. If the wall or partition is 100mm or less, the zones created due to the accessory extend to the reverse side.
- (5) Where cables are not protected as described in Regulation 522.6.6 (i) to (iv), and the installation is not under the supervision of a skilled or instructed person, additional protection by RCD is necessary (Regulation 522.6.7).
- (6) For a cable concealed in a wall or partition having internal metallic parts (except nails or screws, etc), Regulation 522.6.8 also applies, unless the installation is supervised by skilled or instructed persons. Irrespective of the cable's buried depth, additional protection by RCD is required, or protection by one of the other means given in the regulation (such as earthed steel conduit). Note 5 also applies if the depth is less than 50mm.
- (7) RCDs used for additional protection, must have a rated residual operating current ( $I_{\Delta n}$ ) not exceeding 30mA and an operating time not exceeding 40 ms at a residual current of  $5I_{\Delta n}$  (Regulation 415.1.1).
- (8) The contractor should make the client aware of the permitted cable route zones.