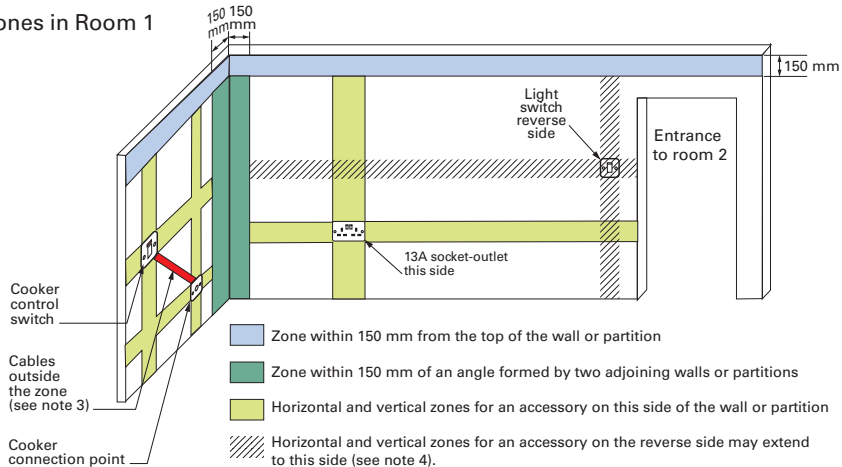




PERMITTED CABLE ROUTE ZONES

Zones in Room 1

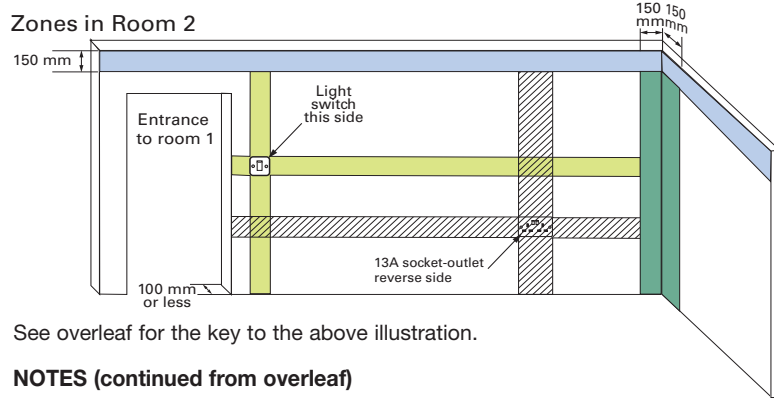


Notes (continued overleaf)

- (1) This Guide applies to cables installed in a wall or partition at a depth of less than 50 mm from the surfaces of a wall or partition. The guide is not intended to replace the requirements of Regulation 522.6.202 in BS 7671.
- (2) Fig 1 illustrates an example of the zones for installed cables in a wall or partition between Rooms 1 and 2.
- (3) Cables installed at a depth of less than 50 mm from the surface of the wall or partition must **not** be routed outside the zones illustrated, except for a cable incorporating or provided with mechanical protection or a cable forming part of a SELV or PELV circuit (Regulation 522.6.204 refers). Note: Cable capping is unlikely to provide suitable protection.
- (4) The doorway between Rooms 1 and 2 allows the position of an accessory on one side of the wall to be determined from the reverse side. If the wall or partition is 100 mm thickness or less, the zones created due to the accessory extend to the reverse side.



PERMITTED CABLE ROUTE ZONES



See overleaf for the key to the above illustration.

NOTES (continued from overleaf)

- (5) Where a cable not meeting the requirements of Regulation 522.6.204 is installed, additional protection by RCD in accordance with Regulation 522.6.202 is necessary.
- (6) For a cable installed in a wall or partition having internal metallic parts, such as the framework (excluding nails, screws and the like). Irrespective of the cables buried depth, additional protection by RCD is required (Regulation 522.6.203 refers), or a cable meeting the requirements of Regulation 522.6.204 is installed.
- (7) RCDs provided for additional protection, must have a rated residual operating current ($I_{\Delta n}$) not exceeding 30 mA and an operating time not exceeding 40 ms at a residual current of $5I_{\Delta n}$ (Regulation 415.1.1 refers).
- (8) It is good practice for the contractor to make the client aware of the cable route zones permitted by BS 7671 when carrying out installation work.

Contractors are advised to always check for installed cables, or gas or water pipes before carrying out work on or in traditional walls and partitions with timber frame work. A cable/pipe detector can help identification of installed cables or pipes.

