

PERMITTED CABLE ROUTE ZONES

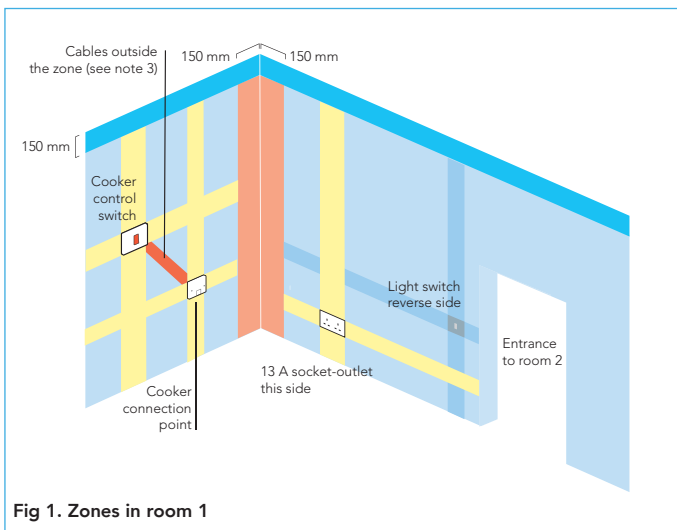


Fig 1. Zones in room 1

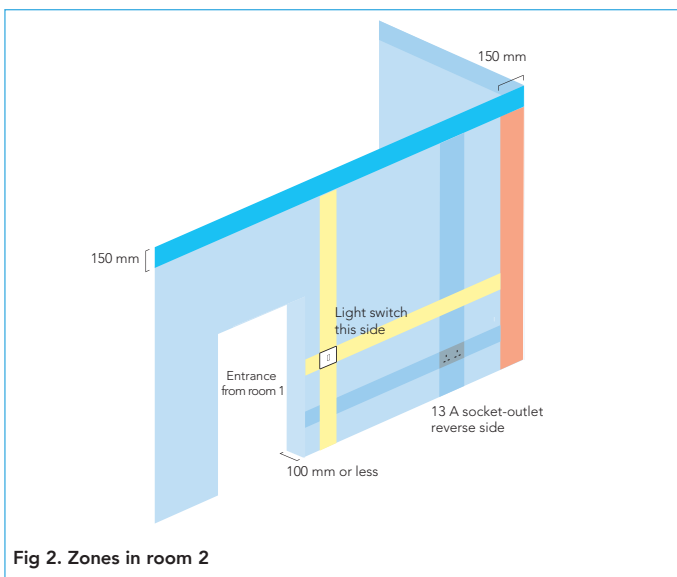
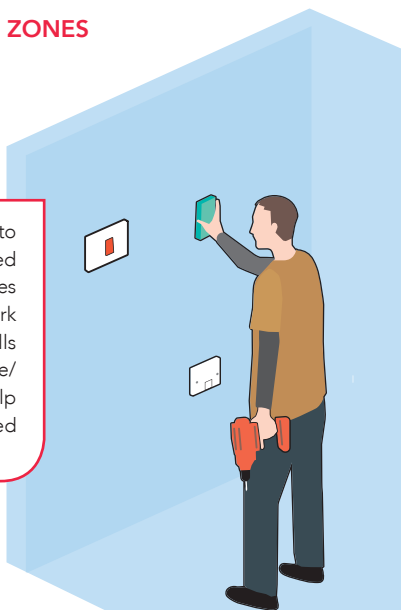


Fig 2. Zones in room 2

- Zone within 150 mm from the top of the wall or partition
- Zone within 150 mm of an angle formed by two adjoining walls or partitions
- Horizontal and vertical zones for an accessory on this side of the wall or partition
- Horizontal and vertical zones for an accessory on the reverse side may extend to this side (see note 4).

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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. A cable/pipe detector can help identification of installed cables or pipes.



Notes

- (1) This Guide applies to cables installed 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 cables installed 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 (522.6.204). Note: Cable capping is unlikely to provide sufficient 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 thickness of the wall or partition is 100 mm or less, the zones created due to the accessory extend to the reverse side.
- (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 (522.6.203), or a cable meeting the requirements of Regulation 522.6.204 must be installed.
- (7) RCDs provided for additional protection must have a rated residual operating current ($I_{\Delta n}$) not exceeding 30 mA (415.1.1).
- (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.