

FRL of not less than -/60/60.

- (2) If an electrical wire or cable penetrates a *separating wall*—
 - (a) the service and building element at the penetration must—
 - (i) be identical with a prototype assembly that has been tested in accordance with AS 4072.1 and AS 1530.4 and achieve an FRL of not less than -/60/60; or
 - (ii) differ from a prototype assembly of the service and building element in accordance with AS 4072.1; or
 - (b) the service must be installed so that—
 - (i) the opening is neatly formed, cut or drilled and no closer than 50 mm to any other service; and
 - (ii) the opening is no larger in cross-section than—
 - (A) 2000 mm² if only a single cable is accommodated and the gap between the cable and the wall is no wider than 15 mm; or
 - (B) 500 mm² in any other case; and
 - (iii) any gap between the service and the wall is packed with mineral fibre or other suitable *fire-resisting* material.
- (3) If an electrical switch, outlet, socket or the like is accommodated in a *separating wall*—
 - (a) the service and building element at the penetration must—
 - (i) be identical with a prototype assembly which has been tested in accordance with AS 4072.1 and AS 1530.4 and achieve an FRL of not less than -/60/60; or
 - (ii) differ from a prototype assembly of the service and building element in accordance with AS 4072.1; or
 - (b) the service must be installed so that—
 - (i) the opening or recess—
 - (A) is not located opposite any point within 300 mm horizontally or 600 mm vertically of any opening or recess on the opposite side of the wall; or
 - (B) does not extend beyond half the thickness of the wall; and
 - (ii) any gap between the service and the wall is packed with mineral fibre or other suitable *fire-resisting* material.
- (4) Other than where a tested system is used in accordance with (3)(a), if an electrical switch, socket, outlet or the like is accommodated in a hollow *separating wall*, the *cavity* immediately behind the service must be framed and packed with mineral fibre or other suitable *fire-resisting* material (see Figure 9.3.2).