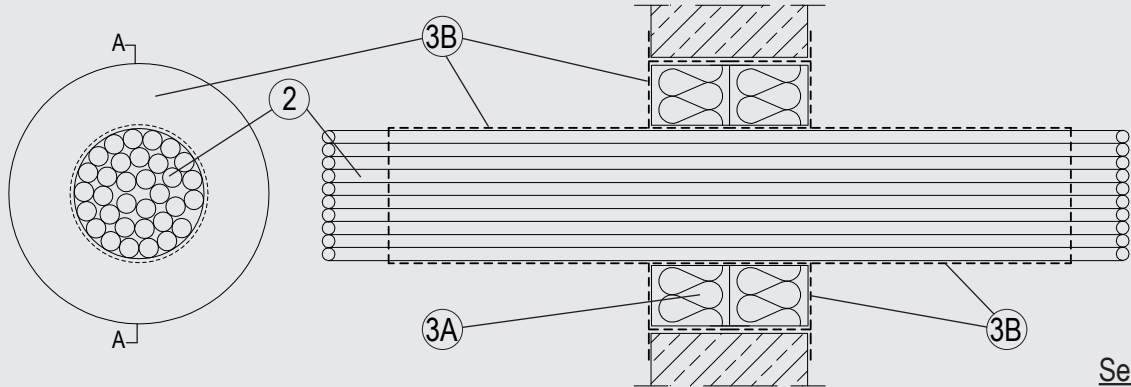


Through-penetration Firestop Systems

System No. W-J-3225

ANSI/UL1479 (ASTM E814)	CAN / ULC S115
F Rating – 3 Hr	F Rating – 3 Hr
T Rating – 2 Hr	FT Rating – 2 Hr
	FH Rating – 3 Hr
	FTH Rating – 2 Hr



Section A-A

1. Wall Assembly

Min 4-1/2 in. (115 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Opening shall be circular or rectangular with max diameter or dimensions of 7-7/8 in. (200 mm). Wall may also be constructed of any UL Classified Concrete Blocks*. Opening shall be circular or rectangular with max diameter or dimensions of 7-7/8 in. (200 mm). See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.

2. Cables

Single or tight bundle of cables to be installed within the opening on a cable tray. Aggregate cross-sectional area of cables in opening to have a visual fill of min 0% to max 21.73%. The annular space between the cable bundle and the periphery of the opening to be a nom 2 in (51 mm). Cables to be rigidly supported on both sides of the wall assembly. The following types and sizes of cables may be used:

- A. Max 20/C No. 19 AWG (0.6 mm) diam (or smaller), copper conductor telecommunication cables PE jacket.

3. Firestop System

The Firestop System shall consist of the following:

- A. Packing Material – Nom. 2-3/8 in. (60 mm) thick mineral wool boards min. 9.3 pcf (150 kg/m³) firmly packed into the opening of the wall as a permanent form. Packing material to be installed flush with both surfaces of wall.
- B. Fill, Void or Cavity Material* – Min. 1/16 in. (2 mm) dry film thickness to be applied inside the aperture before installation and over the full surface of the mineral wool boards, and overlapping onto the wall by min. 3/4 in. (20 mm). Min. 1/32 in. (1 mm) dry film thickness to be applied over the surface of the cables and tray to a min length of 7-7/8 in. (200 mm) from both faces of the board.

Flamro Brandschutz-Systeme GmbH – FLAMMOTECT-A

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