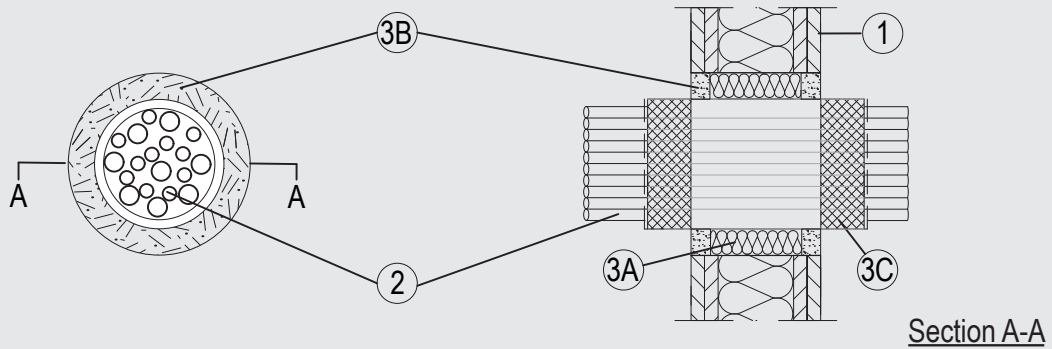


# Through-penetration Firestop Systems

## System No. W-L-3442

ANSI/UL1479 (ASTM E814)	CAN / ULC S115
F Rating – 2 Hr	F Rating – 2 Hr
T Rating – 3/4 Hr	FT Rating – 3/4 Hr
	FH Rating – 2 Hr
	FTH Rating – 3/4 Hr



### 1. Wall Assembly

The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs (not shown in diagram) – Steel studs to be min 2-3/4 in. (70 mm) wide spaced max 24 in. (610 mm) OC.
- B. Gypsum Board\* – The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. Max size of opening to be 6-3/4 in. (170 mm) diameter.

### 2. Cables

Bundle of max 4-3/4" (120 mm) diameter of the following types and sizes of cables may be used. Annular space between cables and periphery of opening to be 1 in. (25 mm).

- 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 – Min. 9.3 pcf (150 kg/m<sup>3</sup>) mineral wool firmly packed into the opening of the wall as a permanent form. Packing material to be installed 1 in. space to both surfaces of wall.
- B. Fill, Void or Cavity Material\* – Min. 1 in. depth on both sides of the mineral wool.

**Flamro Brandschutz-Systeme GmbH – FLAMMOTECT-A**

- C. Firestop Device\* – 7-7/8 in. (200 mm) long pipe wrap positioned centrally within the seal and wrapped around the cables.

**Flamro Brandschutz-Systeme GmbH – Cable Tube**