

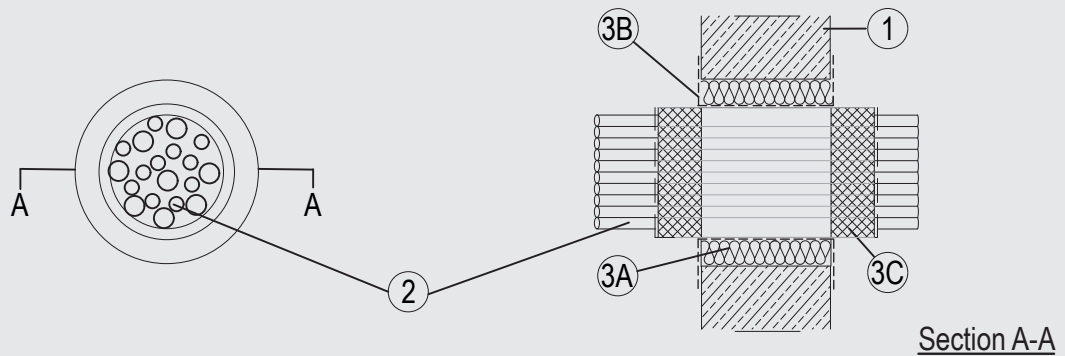
# Through-penetration Firestop Systems

## System No. W-J-3241

### ANSI/UL1479 (ASTM E814)

### CAN / ULC S115

F Rating — 3 Hr	F Rating — 3 Hr
T Rating — 1 - 1/2 Hr	FT Rating — 1 - 1/2 Hr
	FH Rating — 3 Hr
	FTH Rating — 1 - 1/2 Hr



### 1. Wall Assembly

Min. 4-1/2 in. (115 mm) thick lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Opening shall be circular or rectangular with max diameter or dimensions of 6-3/8 in. (162 mm). See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.

### 2. Cables

Bundle of 5-3/8" (137 mm) diameter of the following types and sizes of cables may be used: A. Max 20/C No. 5/8" (16.2 mm) diameter (or smaller), copper conductor cable with PE insulation and PE jacket

### 3. Firestop System

The Firestop System shall consist of the following:

- Packing material — 2 layers of Nom. 2-3/8 in. (60 mm) thick mineral wool board min. 9.3 pcf (150 kg/m<sup>3</sup>) firmly packed into the opening of the wall as a permanent form, flush to both faces.
- 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). in. 1/32 in. (1 mm) dry film thickness to be applied to cables over 7-7/8" (200 mm) length, centralized within the seal.  
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- Firestop Device\* — 7-7/8 in. (200 mm) long by 5-3/8" (137 mm) diameter cable tube positioned centrally within the seal and around the cables.  
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\*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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