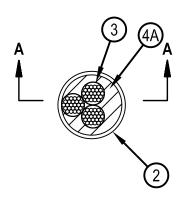
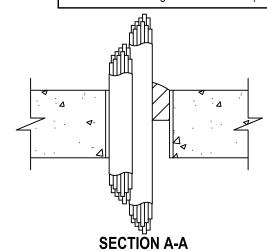


## System No. C-AJ-2660

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Ratings — 0 and 1/2 Hr (See Item 2)	FT Ratings — 0 and 1/2 Hr (See Item 2)
	FH Rating — 2 Hr
	FTH Ratings — 0 and 1/2 Hr (See Item 2)





System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed

- 1. Floor or Wall Assembly Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete floor or concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diameter of opening is 4 in. (102 mm). See Concrete Blocks (CAZT) in Volume 1 of the Fire Resistance Directory for names of manufacturers.
- 2. Steel Sleeve (Optional) Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel sleeve or nom 4 in. (102 mm) diam (or smaller) rigid steel conduit or electrical metallic tubing cast or grouted into floor or wall assembly, flush with floor or wall surfaces or extending max 2 in. above top surface of floor or both surfaces of wall.
  - When sleeve extends above top surface of floor or either surface of wall, the T, FT and FTH Ratings are 0 Hr.
- 2A. Nonmetallic Sleeve (Optional) Nom 4 in. (102 mm) diam (or smaller) Schedule 40 (or heavier) polyvinyl chloride (PVC) sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- 3. Cables One max 3 in. (76 mm) diam flexible nylon Optical Fiber Raceway Assembly+ with a max of three 1-1/2 in. (38 mm) diam cells to have a max 80 percent cable fill for each cell. Aggregate cross-sectional area of bundled cables in opening to be max 60 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening or sleeve to be min 0 in. (point contact) to max 3 in. (76 mm). Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of cables may be used:

See Optical Fiber Raceway Assemblies (QAZQ) category in the Electrical Construction Directory for names of manufacturers.

- A. Max 100 pair No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.
- B. Max 24 fiber optical fiber communication cable jacketed with PVC.
- 4. Firestop System The firestop system shall consist of the following:
- A. Fill, Void or Cavity Materials\*- Plug Nom 4 in. (102 mm) diam (or smaller) plug firmly installed within the sleeve or opening such that the outer circumference of the dome-shaped plug is flush with the top surface of the floor or sleeve or both surfaces of the wall or sleeve. Plug cut to fit around the cable bundle and installed tightly within the opening.
- HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC CP 658T Firestop Plug or CFS-PL Firestop Plug
- B. Fill, Void or Cavity Materials\*- Putty (Not shown, optional) Putty may be forced into interstices of cables to max extent possible. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC CP 618 Firestop Putty Stick
- \*Bearing the UL Classification Mark
- +Bearing the UL Listing Mark

