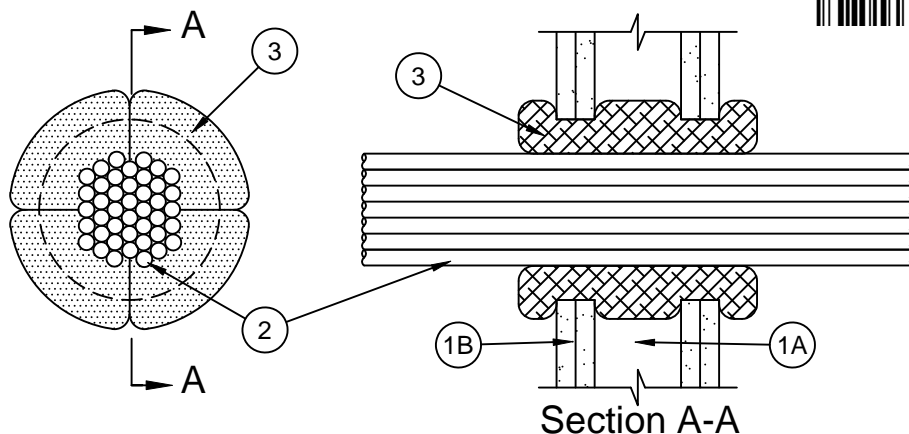


## System No. W-L-3274

F Ratings - 1 and 2 Hr (See Item 1)  
T Ratings - 1/2 and 3/4 Hr (See Item 2)



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 U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

- A. **Studs** - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced 24 in. (610 mm) OC.
- B. **Gypsum Board\*** - 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Designs in the UL Fire Resistance Directory. Max diam of opening is 6 in. (152 mm).

**The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.**

2. **Cables** - Aggregate cross-sectional area of cables in opening to be max 33 percent of the cross-sectional area of the opening. Cables to be tightly bundled and centered within the opening. The annular space within the firestop system shall be nom 2 in. (51 mm). Cables to be rigidly supported on both sides of the wall. Any combination of the following types and sizes of cables may be used:

- A. Max 300 pair No. 24 AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) jacketing and insulation.
- B. Max 1/C, 750 kcmil power cable with copper conductors and cross-linked polyethylene (XLPE) jacketing.
- C. Max 3/C No. 2/0 AWG (or smaller) aluminum or copper conductor service entrance cable with PVC insulation and jacket.
- D. Max 3/C No. 8 AWG (or smaller) nonmetallic sheathed (Romex) cable with copper conductors, PVC insulation and jacket.
- E. Max 7/C No. 2/0 AWG (or smaller) multiconductor power and control cables with XLPE or PVC insulation and XLPE or PVC jacket.
- F. Max RG59/U (or smaller) coaxial cable with fluorinated ethylene insulation and jacketing.
- G. Max 62.5/48 fiber optic cable with PVC insulation and jacketing.
- H. Max 4/C No. 2/0 (or smaller) aluminum or copper conductor aluminum or steel Metal-Clad# or Armored-Clad# cable.
- I. Max 4 pair No. 24 AWG (or smaller) copper conductor Category 5 cable with hylar insulation and jacket.

**The T Rating is 1/2 hr when Item 2B is used. Otherwise, the T Rating is 3/4 hr.**

3. **Fill, Void or Cavity Material\* - Pillows** - Max 9 in. (229 mm) long by 6 in. (152 mm) wide by 3 in. (76 mm) thick plastic covered intumescent pillows installed within opening. Pillows tightly packed into opening to fill annular space between cables and gypsum board.

**SPECIFIED TECHNOLOGIES INC** - SpecSeal Pillows

4. **Fill, Void or Cavity Material\* - Putty** - (Not Shown) - After installation of the pillows (Item 3), putty applied to seal any voids between the cables and between the cables and the pillows on both sides of the wall assembly.

**SPECIFIED TECHNOLOGIES INC** - SpecSeal Putty

\*Bearing the UL Classification Marking

#Bearing the UL Listing Mark



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