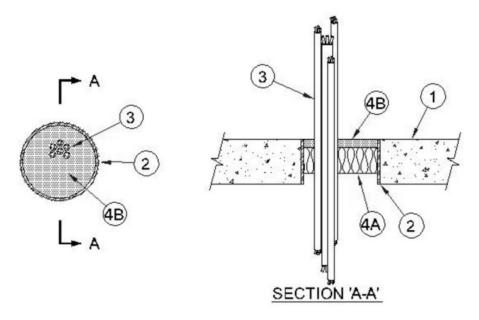




ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 3 Hr	F Rating — 3 Hr
T Rating — 1/2 Hr	FT Rating —1/2 Hr
L Rating At Ambient — Less Than 1 CFM/ft (Item 2)	FH Rating — 3 Hr
L Rating At 400 F — 1.4 CFM/ft (See Item 3)	FTH Rating — 1/2 Hr
W Rating - Class 1 (See Items 3 and 4B)	L Rating At Ambient — Less Than 5.1 L/s/m² (See Item 3)
	L Rating At 204 C —7.1 L/s/m² (See Item 3)



- 1. Floor or Wall Assembly Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100<u>150</u> pcf or 1600-2400 kg/m³) concrete. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-corePrecast Concrete Units*. Wall may also be constructed of any UL ClassifiedConcrete Blocks*. Max diam of opening is 6 in. (152 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- 2. **Nonmetallic Sleeve (Optional)** Nom 6 in. (12 mm) diam (or smaller) Schedule 40 polyvinyl chloride (PVC) pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- 3. Cables Aggregate cross-sectional area of cable bundle in opening to be max 45 percent of the cross-sectional area of the opening. Min separation between cable bundle and between cables and periphery of opening is 1/4 in. (6 mm). Max annular space between cable bundle and periphery of opening is 2 in. (51 mm). L and W Ratings apply only when the min separation between the individual cables is equal to or greater than 1/8 in. (3 mm). Cables to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of copper or aluminum conductor cables may be used:
 - A. Max 1/C 350 kcmil cable with crosslinked polyethylene (XLPE) jacket.
 - B. Max 400 pair No. 24 AWG cable with PVC insulation and jacket.
 - C. Max. 3/C No. 2/0 AWG aluminum conductor SER cable with PVC insulation and jacketing.
 - D. Max. 3/C No. 12 AWG copper conductor cable with PVC insulation and jacket (Romex).
 - E. Max. RG59/U copper conductor coaxial cable with fluorinated ethylene insulation and jacket.
 - F. Max. 62.5/125 fiber optic cable with PVC insulation and jacket.
 - G. Max. RG/6 No. 18 AWG copper conductor CATV coaxial cable with PVC insulation and jacket.
 - H. Max. 4/C No. 2/0 AWG copper conductor, steel or aluminum armored or metal clad cable (MC cable).
- 4. Firestop System The firestop system shall consist of the following: Benzer Detaylar görmek için linki ziyaret ediniz.





A. **Packing Material** — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m²) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall or hollow-core concrete floor as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* - Caulk** — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. When the floor is constructed of hollow-core precast concrete units, fill material shall be installed symmetrically on both sides of floor, flush with both floor surfaces. **RECTORSEAL** — FlameSafe® FS900+, FlameSafe FS1900, Metacaulk MC 150+, Metacaulk 1000, Metacaulk 350i, Biostop BF_150+, Biostop 350i or Biostop 500+

W Rating applies only when <u>Metacaulk MC 150+</u>, <u>Metacaulk 1000</u>, Biostop BF<u>150+</u>, FlameSafe FS900+ or FlameSafe FS1900 is used.

*,+ 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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