

UL/cUL SYSTEM NO. C-AJ-3285 CABLE BUNDLE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL ASSEMBLY

F-RATING = 3-HR.

T-RATING = 0-HR., 1-HR., 1 1/2-HR., OR 3-HR. L-RATING AT AMBIENT = LESS THAN 1 CFM (SEE TABLE) L-RATING AT 400°F = LESS THAN 1 CFM (SEE TABLE) CAJ3285h.011617

- F. MAXIMUM 1/2" DIAMETER FIBER-OPTIC CABLE (24 FIBER) WITH PVC OR PE JACKET AND INSULATION. G. MAXIMUM 20/C NO. 22 AWG SHIELDED PRINTER CABLE WITH PVC JACKET.
- H. MAXIMUM 2/C NO. 18 AWG POWER OR NON-POWER LIMITED FIRE ALARM CABLE WITH OR WITHOUT METAL JACKET (MANUFACTURED BY AFC CABLE SYSTEMS, INC.).
- I. MAXIMUM 1/4" DIAMETER S-VIDEO CABLE CONSISTING OF TWO MAXIMUM 24 AWG 75 OHM COAX OR TWISTED PAIR CABLE WITH PE INSULATION AND PVC JACKET.
- J. ANY CABLES, METAL CLAD CABLES, OR ARMORED CABLES CURRENTLY LISTED UNDER THE THROUGH PENETRATING PRODUCTS CATEGORY.
- K. MAXIMUM 3/C NO. 12 AWG METAL CLAD CABLE.
- 3. HILTI CP 653 (BA) SPEED SLEEVE (2" OR 4") SLID INTO AND CENTERED WITHIN FLOOR OR WALL. DEVICE FLANGES SPUN CLOCKWISE ONTO DEVICE THREADS, BUTTING TIGHTLY TO TOP SIDE OF FLOOR, OR BOTH SIDES OF WALL (SEE NOTE NO. 4 BELOW).
- 4. SECURE DEVICE FLANGE TO TOP OF FLOOR WITH TWO 1-1/4" LONG CONCRETE SCREWS OR ANCHORS.
- 5. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
- 6. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT, HILTI CP 606 FLEXIBLE FIRESTOP SEALANT, HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT, OR HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT FLUSH WITH TOP SURFACE OF FLOOR.
- 7. [FOR L-RATING] MINIMUM 1/4" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT, HILTI CP 606 FLEXIBLE FIRESTOP SEALANT, HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT, OR HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT APPLIED AT POINT OF CONTACT.

| MAX CABLE | CABLE TYPE | L RATING, CFM/SQ FT | | L RATING, CFM | |
|-----------|---|---------------------|-------|---------------|-------------|
| FILL | | AMBIENT | 400°F | AMBIENT | 400°F |
| 0% | - | 1 | 2 | LESS THAN 1 | LESS THAN 1 |
| 100% | ANY CABLES (ITEM NO. 2) IN ANY COMBINATION | 7 | 7 | LESS THAN 1 | LESS THAN 1 |

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 3" (FOR 2" DEVICE) OR 5" (FOR 4" DEVICE). 2. CABLES MAY REPRESENT 0% TO 100% VISUAL FILL OF DEVICE.

3. ANNULAR SPACE BETWEEN DEVICE AND PERIPHERY OF OPENING = MINIMUM 0".

4. AS AN OPTION IN FLOORS, STEEL SLEEVE OF DEVICE MAY BE INSTALLED FLUSH WITH BOTTOM OF FLOOR.

5. HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT, HILTI CP 606 FLEXIBLE FIRESTOP SEALANT, OR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.

| | | Sheet | 2 of 2 | Drawing No. | | | | |
|---|--|-------|---------------|-------------|--|--|--|--|
| | HILTI, Inc. Plano, Texas USA (800) 879-8000 | Scale | - | CAJ | | | | |
| Hilti Firestop Systems | Tiano, Texas USA (000) 075-0000 | | Jan. 16, 2017 | 3285h | | | | |
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