



UL FIRESTOP PENETRATION NUMBERING

(Tested to UL 1479 Inspect to ASTM E-2174)

First Alpha Character

| Letter | Description |
|--------|---|
| C | Systems intended to protect penetrations through either floors or walls |
| F | Systems intended to protect penetrations through floors |
| W | Systems intended to protect penetrations through walls |

Second and Third Alpha Characters

| Letter | Description |
|----------|---|
| A | Concrete floors with a minimum thickness less than or equal to 5 in |
| B | Concrete floors with a minimum thickness greater than 5 in |
| C | Framed floors |
| D | Steel decks in marine vessels |
| E | Floor-ceiling assemblies consisting of concrete with membrane protection |
| G | Cross laminated timber (CLT) floor assembly |
| F, H - I | Not used at present time |
| J | Concrete or masonry walls with minimum thickness less than or equal to 8 in |
| K | Concrete or masonry walls with a minimum thickness greater than 8 in |
| L | Framed walls |
| M | Bulkheads in marine vessels |
| N | Composite panel walls |
| O-Z | Not used at present time |

Numeric Characters

| Numeric Range | Description |
|---------------------------------------|---|
| 0000 – 0999, 01000, 01001, 01002 etc. | No penetrating item |
| 1000 – 1999, 11000, 11001, 11002 etc. | Metallic pipe, conduit or tubing |
| 2000 – 2999, 21000, 21001, 21002 etc. | Nonmetallic pipe, conduit or tubing |
| 3000 – 3999, 31000, 31001, 31002 etc. | Electrical cables |
| 4000 – 4999, 41000, 41001, 41002 etc. | Cable trays with electrical cables |
| 5000 – 5999, 51000, 51001, 51002 etc. | Insulated pipes |
| 6000 – 6999, 61000, 61001, 61002 etc. | Misc. electrical penetrants such as busducts |
| 7000 – 7999, 71000, 71001, 71002 etc. | Misc. mechanical penetrants such as air ducts |
| 8000 – 8999, 81000, 81001, 81002 etc. | Groupings of penetrants including any combination of items listed above |
| 9000 – 9999, 91000, 91001, 91002 etc. | Not used at present time |

Additional information can be found at <https://www.ul.com/firebarriermanagement>