



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	Cross laminated timber (CLT) wall assembly
P-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

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