

TECHNICAL BULLETIN: PASS-THRU DEVICE L RATING



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Bio Fireshield™ Pass-Thru devices have always provided superior L rating performance from 0% fill to 100% visual fill, and all fill rates in between. IBC requires minimum L rating standards for firestop systems and Bio Fireshield Pass-Thru devices out perform the standards.

Configuration	L Rating [CFM]
2" Round - Empty 0% Fill	Less Than 1
2.5" Square - Empty 0% Fill	Less Than 1
4" Round - Empty 0% Fill	Less Than 1
4.5" Square - Empty 0% Fill	Less Than 1
2" Round - 1% to 100% Fill Cat 6e/300 pr telephone	2.8
2.5" Square - 1% to 100% Fill Cat 6e/300 pr telephone	2.8
4" Round - 1% to 100% Fill Cat 6e/300 pr telephone	2.8
4" Square - 1% to 100% Fill Cat 6e/300 pr telephone	2.8

***Bio Fireshield Pass-Thru devices provide the same L rating results with the following cable types:** 2/C No. 18 AWG copper conductor; No. 24 AWG copper conductor Cat5e or Cat 6 telephone cable; RG/U; 3/C (with ground) No. 14 AWG (Romex); 1/C No. 8 AWG copper conductor; 12 core No. 26 AWG shielded multi coax; 48MM62.5 micron fiber optic; 62.5/125 micron fiber optic; 1/C 3/0 AWG copper conductor; Three copper conductors No. 12 AWG **Metal Clad Cable+**; Four copper conductors No. 2 AWG **Metal Clad Cable+**; 1/C 2/0 AWG non halogen copper conductor; 300 pair No. 24 AWG copper conductor telephone cable; 30 pair No. 22 copper conductor shielded switchboard cable; RG/6 coaxial; RG/U coaxial; 7/C No. 12 AWG copper conductors; 4 pair No. 23 AWG copper conductor Cat 6 telephone cable; Three copper conductors No. 12 AWG steel **Armored Cable+**; 04-02 2.5M fiber optic; 1/C No. 750 kcmil copper conductors; 3/C with ground No. 2/0 AWG aluminum conductor SER cable.

***Bio Fireshield Pass-Thru devices also allow for the following penetrating items**3" or smaller - Steel Pipe, Iron Pipe, Copper Tubing, Copper Pipe, Conduit. 1-1/4" or smaller - Flexible Metal Piping.

2" or smaller – PVC, RNC, CPVC, PEX, ENT, ABS, Cable Raceways.

Bio Fireshield Pass-Thru UL systems: C-AJ-0132, C-AJ-1603, C-AJ-2628, C-AJ-3304, C-AJ-3306, C-AJ-3308, C-AJ-8201, W-L-1456, W-L-3354, W-L-8089

For further information about Bio Fireshield Pass-Thru devices and firestop systems contact Rectorseal at 1-800-231-3345