WIREMOLD®
4" Furniture Feed Poke-Thru Devices

Bring Power & Communication Services to Modular Furniture Systems

4FFATC15 Series Furniture Feed Style Poke-Thru Devices are an excellent solution for feeding power and communication services to modular furniture systems in an open space, above grade floor environment. Every Wiremold® Poke-Thru Device comes with built-in TopGuard™ protection, an industry-leading design that meets and exceeds UL scrub water exclusion requirements for tile and carpet floors. TopGuard protection prevents water, dirt, or debris from entering the power and communication compartments through the service head or floor fittings.

4FFATC15 Series Furniture Feed Style Poke-Thru Devices can be installed on tile, carpet, or wood covered concrete floors in both new or retrofit construction. Typical applications include commercial office buildings, financial institutions, and government facilities.

4FFATC Series

FEATURES & BENEFITS

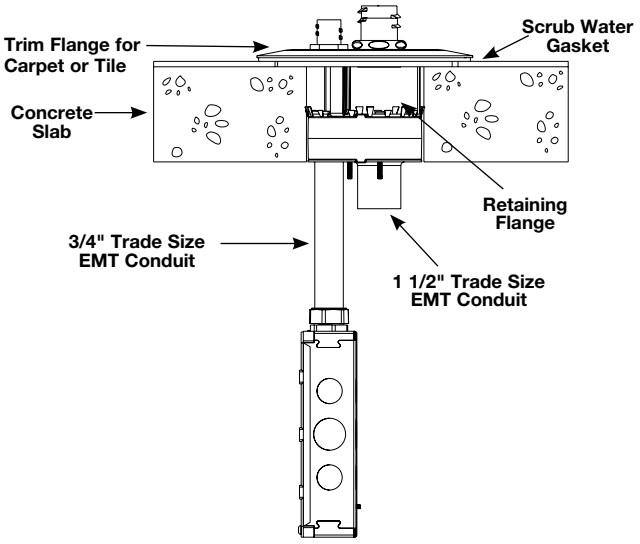
- **4FFATC15 Flush Style Furniture Feed Series provides one 3/4" [19mm] opening for power and one 1 1/2" [38mm] opening for communication cabling**. Provides largest dual service capacity for furniture feed applications in the industry. UL Listed for both power and communication furniture feed applications.
- **"Step-on-it" installation.** Quick and easy installation without the need for additional fasteners or the need for a second installer.
- **Fire rated for up to 2-hour rated floors.** Maintains the fire classification of the floor.
- **Suitable for use in air handling plenums in accordance with Sec. 300-22 (C) of the National Electrical Code.**
- **TopGuard Protection.** Integral design component that prevents water, dirt and debris from entering power and communication compartments. Whenever you see the TopGuard protection icon on any Wiremold product, you'll know it meets and exceeds UL scrub water exclusion requirements for tile and carpet floors.
- **UL Listed and UL Fire Classified to U.S. and Canadian safety standards for tile, carpet and wood.**

TOP GUARD™ Protection from water, dirt, and debris.

4FFATC Furniture Feed Style Poke-Thru Device Specifications

4" Diameter Hole		
POKE-THRU SERIES		**4FFATC Series**
HOLE SIZE		**Minimum:** 4" [102mm] **Maximum:** 4 1/8" [105mm]
UL FIRE CLASSIFICATION		1, 1 1/2 & 2 Hours
UL SCRUBWATER PROTECTION		TopGuard™
CAPACITY		**2 Gangs** One (1) 3/4" & one (1) 1 1/2" trade size Screw Plug Openings
MAXIMUM COPPER FILL	**POWER***	**(16) #12 AWG or (10) #10 AWG** .08192 Sq. in. [52.851mm²]
	COMMUNICATIONS*	**(18) Cat 6/Channel** .072 Sq. in. [46.45mm²]
COVER SIZE		8 1/4" [210mm]
COVER COLORS		Powder Coated Colors: Black, Brass, Gray, Bronze, Nickel Brushed Aluminum
COVER CONSTRUCTION		Die-Cast
CONDUIT/STEM DIAMETER		One (1) 3/4" & one (1) 1 1/2" trade size Conduit
FLOOR COVERING THICKNESS		**Minimum:** 1/8" [3.2mm] **Maximum:** 3/4" [19.1mm]
FLOOR STRUCTURE		Concrete
FLOOR SURFACE		Carpet, Tile & Wood

*** The above maximum copper fill values are the maximum amount of copper to maintain fire classification and are for each individual power and communication compartments. Do not add values together for any one compartment.**



Copper Cross Sectional Area of Commonly Used Conductors		
Size	**Solid**	
#24	.00032 sq. in.	[.206mm²]
#22	.00050 sq. in.	[.322mm²]
#14	.00323 sq. in.	[2.083mm2]
#12	.00512 sq. in.	[3.303mm²]
#10	.00815 sq. in.	[5.258mm²]
#8	.01296 sq. in.	[8.361mm²]

NOTE: Use above values for solid or stranded conductors.

I M P O R T A N T !

The above maximum copper cross sectional area values are for each individual power and communication compartment. DO NOT add values together for any one compartment.

CAUTION: These devices meet all UL scrub water requirements, but are not suitable for wet or damp locations, or other areas subject to saturation with water or other liquids such as commercial kitchens.

Concrete Thickness Min/Max:

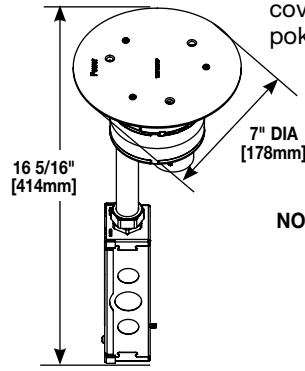
1-HOUR RATED FLOOR – 2 1/4" [57mm] minimum over top of deck (or 3" [76mm] thick reinforced concrete slab) to a maximum of 7 1/2" [191mm].

2-HOUR RATED FLOOR – 3 1/4" [83mm] minimum over top of deck (or 4" [102mm] thick reinforced concrete slab) to a maximum of 7 1/2" [191mm].

NOTE: The material that is used in Wiremold poke-thru devices is not listed under the directory for Fire Stopping Material because the poke-thru device is UL Classified as "Outlet Boxes and Fittings Classified For Fire Resistance (CEYY)". The pass/fail criteria comes from UL263. The pass criteria is that the poke-thru unit cannot exceed 325° F. above ambient before the concrete slab (or deck) reaches this same temperature. Some poke-thru devices are tested for 2 hours while others are tested for 4 hours. The intumescent material has never been tested as a fire-stopping material as a stand-alone device. This material is designed to work as a unit with the entire poke-thru device.

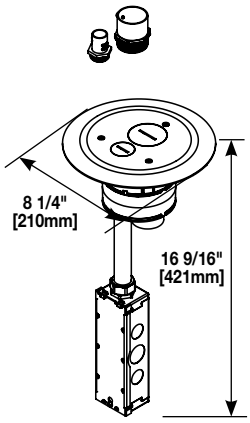
4FFATC Furniture Feed Poke-Thru Series Ordering Information

Catalog No./Item	Description/Specifications
4FFSTC15	**Insert Stem with Disposable Plate** – Use with 4FFCTC15 Series covers to form a complete poke-thru assembly.



NOTE: Stem assembly with disposable plate can be installed in occupied spaces for activation at a later time as long as the assembly is fully covered by the finished floor.

Catalog No./Item	Description/Specifications
4FFATC15GY **4FFATC15BK** **4FFATC15AL** **4FFATC15BS** **4FFATC15BZ** **4FFATC15NK**	**Flush Furniture Feed Poke-Thru Assembly** – Complete with one-piece finish flange and conduit assembly. Conduit assembly consists of one 3/4" trade size conduit and one 1 1/2" trade size conduit. Finish cover flange provided with one 3/4" trade size screw plug opening and one 1 1/2" trade size screw plug opening. Covers available in painted black (BK), gray (GY), brass (BS), nickel (NK), bronze (BZ), and brushed aluminum (AL).



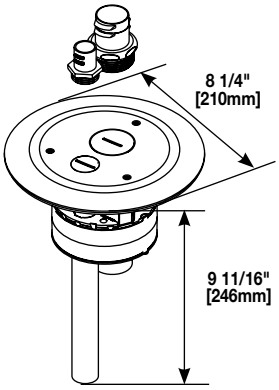
NOTE: Assembled with scrub water gasket. For use on tile, wood or carpet floors.

Catalog Number Explanation
4FFATC15AL

4	FF	A	TC	15	AL
Indicates Unit is only for use in a 4" core hole	Designates Unit is for Furniture Feed Application	Assembled Unit (A) or Cover (C)	Identifies that Unit is Approved for Tile and Carpet Floors	Indicates Low Voltage Breakthrough Size 1 1/2"	Indicates Finish

NOTES: Floor Structure: Concrete
Floor Surface: Carpet, Tile, Wood
To abandon 4FFATC15 and 4FFATC15XX-LJB Series, disconnect conduit adapters and install closure plugs.
Not designed to work with bare concrete or terrazzo floors.
Minimum floor surface thickness 1/8" [3.2mm].

Catalog No./Item	Description/Specifications
4FFATC15GY-LJB **4FFATC15BK-LJB** **4FFATC15AL-LJB** **4FFATC15BS-LJB** **4FFATC15BZ-LJB** **4FFATC15NK-LJB**	**Flush Furniture Feed Poke-Thru Unit** – Complete with one-piece finish flange and conduit assembly. Conduit assembly consists of one 3/4" trade size conduit and one 1 1/2" trade size conduit. Finish cover flange provided with one 3/4" trade size screw plug opening and one 1 1/2" trade size screw plug opening.

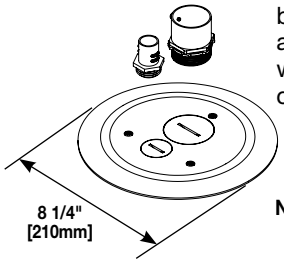


NOTE: Assembled with scrub water gasket. For use on tile or carpet floors.

Catalog Number Explanation
4FFATCAL-LJB

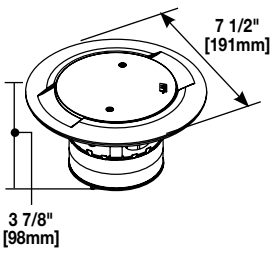
4	FF	A	TC	15	AL	LJB
Identifies Poke-Thru Series	Identifies Furniture Feed Unit	Identifies Assembled Unit (A) or Cover (C)	Identifies that Unit is Approved for Tile & Carpet Floors	Indicates Low Voltage Breakthrough Size 1 1/2"	Identifies Finish Of Cover Assembly	Identifies Junction Box (Not included)

Catalog No./Item	Description/Specifications
4FFCTC15GY **4FFCTC15BK** **4FFCTC15AL** **4FFCTC15BS** **4FFCTC15BZ** **4FFCTC15NK**	**Finish Flange and Conduit Adapter Assembly** – Complete with one 3/4" and one 1 1/2" trade size conduit adapters and closure plugs. Covers available in painted black (BK), gray (GY), brass (BS), nickel (NK), bronze (BZ), and brushed aluminum (AL). Use with the 4FFSTC15 insert to form a complete poke-thru assembly.



NOTE: Assembled with scrub water gasket. For use on tile or carpet floors.

Catalog No./Item	Description/Specifications
ABPLUG4	**Abandonment Plug Assembly** – Complete plug assembly for abandoning an open 4" [102mm] cored-hole. Assembly includes intumescent fire-stop material to maintain the fire-classification of the floor, integral retainer ring to prevent the unit from pulling up through the floor, and a black die-cast aluminum cover.



NOTES

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