



Wiremold

Evolution™ Series Poke-Thru Devices

Next Generation Poke-Thru Devices for the 21st Century




Wiremold® Evolution™ Series Poke-Thru Devices are the latest addition to the largest offering of poke-thru solutions available in the industry.

Combining new models that provide larger capacity options, including a full 4-gang capacity model, Evolution™ Series Poke-Thru Devices offer a number of breakthrough features including fully recessed activations to protect services, a true flush all metal cover assembly with powder coating finish and new color options, as well as a new cover design that allows easier device access with unique spring-loaded, slide cable egress doors. All these improvements plus innovations to make installation easier and full TopGuard™ protection make the Evolution Series truly the next generation in poke-thru devices.

The interior of the Evolution™ 8AT Series Poke-Thru Device is the largest capacity available in the industry.

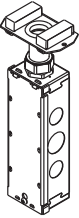
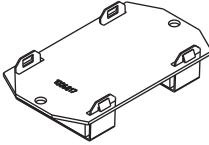
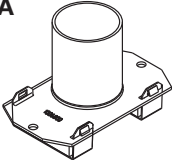
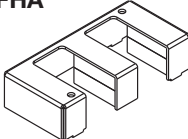
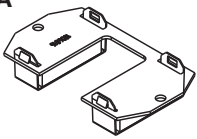
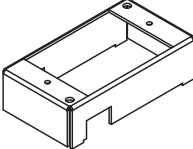


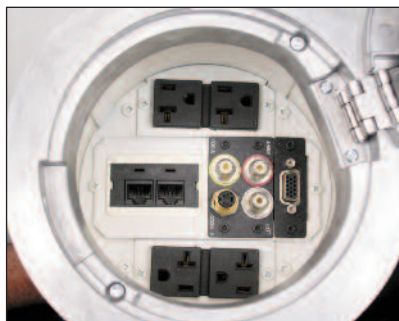
FEATURES & BENEFITS

- **Largest capacity poke-thru devices on the market.** The 6AT Series is designed for a 6" [152mm] core hole and provides up to two and one-half (2 1/2) gangs of power, communication, or A/V capability. The 8AT Series is designed for an 8" [203mm] core hole and provides up to four (4) gangs of power, communication, or A/V capability.
- **Recessed devices.** All power, communication, and A/V devices are recessed below floor level, providing maximum protection and device longevity.
- **Die-cast aluminum cover assemblies.** The new Evolution Series poke-thru design includes all metal die-cast aluminum cover assemblies, with two unique spring-loaded slide egress doors. No clumsy flip lids to get broken or cause an added trip hazard. These new covers are available in standard finishes of brass, gray, black, nickel and bronze, offering a wider range of aesthetic options.
- **Flush tile version cover assemblies.** A flush style cover for tile applications allows the Evolution Series Poke-Thru Devices to be adjusted to the same level as the top surface of the floor covering. The tile cover is designed to be used in higher traffic applications, where a low profile is a must.
- **Auto-close egress doors.** Egress doors lock in position when slid open and automatically close around cables, reducing the egress opening to the smallest size possible. 
- **Improved hinge design.** Provides greater durability while creating a more fluid, intuitive, opening and closing motion. 
- **Pre-pour sleeves.** Creates a removable cast-in-place core hole that allows the contractor to position poke-thru units before concrete is poured. Eliminates the cost and labor of coring the opening. Available in both 6" and 8" diameters. 
- **Added furniture feed capacity.** The 6ATCFF Series Poke-Thru Device offers the largest dual service furniture feed capability on the market.
- **Audio/Video unit.** The 6AT Series is available in a dedicated A/V version. Prewired with one 20A duplex receptacle and designed to accept the Extron® Electronics AAP and MAAP Series device lines. The 8AT Series is also compatible with Extron AAP and MAAP devices.
- **TopGuard Protection.** All Evolution Series Poke-Thru Devices, like every Wiremold Poke-Thru Device, meet and exceed UL scrub water exclusion requirements for tile, carpet, and wood covered floors.
- **Meets ADA Accessibility Guidelines.** Wide trim flange is designed to meet the ADA Accessibility Guidelines as it pertains to ADA Standard 4.5 which addresses changes in floor and ground surface levels. The poke-thru trim flanges are beveled so the slope is no greater than 1:2 ratio.
- **Suitable for use in air handling spaces.** In accordance with Sec 300-22(C) of the National Electrical Code.
- **"Step-on-it" installation.** Quick and easy installation without the need for additional fasteners or a second installer.
- **UL Listed and UL Fire Classified to U.S. and Canadian safety standards.** UL Fire rated for up to 2-hour rated floors maintains the fire classification of the floor.

For more information or to configure your own Evolution™ Series Poke-Thru Device, visit our online configurator at:
www.legrand.us/wiremold/evolution.

Evolution 6AT Series Bottom Feed Center Mount Device Plates Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
175CHA 	Bottom Housing Assembly – One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. NOTE: When using on a 6ATCFF Furniture Feed unit, 1BHA (sold separately) is required.	1BLH 	Bottom Housing Assembly – One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. NOTE: When using on a 6ATCFF Furniture Feed unit, 1BHA (sold separately) is required.
1125CHA 	Bottom Housing Assembly – One-gang 1 1/4" trade size conduit housing assembly. NOTE: When using on a 6ATCFF Furniture Feed unit, 1BHA (sold separately) is required.	15FFHA 	Bottom Housing Assembly – One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.
1PTHA 	Bottom Housing Assembly – One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. NOTE: When using on a 6ATCFF Furniture Feed unit, 1BHA (sold separately) is required.	1BHA 	BOTTOM HOUSING ASSEMBLY – One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.

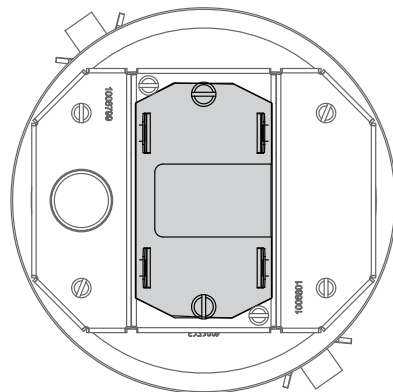


Internal wiring configurations of the Evolution™ Series 6AT and 8AT Poke-Thru Devices provide more capacity than any poke-thru devices on the market.

Evolution Series 6AT Poke-Thru Device

6AT Bottom Feed Center Mount Device Plate Location

All bottom housing assemblies on this page can be installed in the shaded locations indicated in these illustrations.



CAUTION: Receptacle supplied with this Poke-Thru is not suitable for direct field wiring. Contact manufacturer for replacement. Field modifications will void UL Listing and Classification. Replacement receptacle is limited to this manufacturers' Catalog No 68REC.

Copper Cross Sectional Area of Commonly Used Conductors		
Size	Solid	
#24	0.00032 sq. in.	[0.20645mm ²]
#22	0.00050 sq. in.	[0.32258mm ²]
#14	0.00323 sq. in.	[2.08386mm ²]
#12	0.00512 sq. in.	[3.30321mm ²]
#10	0.00815 sq. in.	[5.25805mm ²]
#8	0.01296 sq. in.	[8.36127mm ²]

NOTE: Use above values for solid or stranded conductors.

NOTE: When using conductor sizes other than listed above, the aggregate cross-sectional area of the copper conductors shall not exceed the cross-sectional areas listed.

6ATCFF COPPER CROSS-SECTION – FURNITURE FEED POKE-THRU DEVICES

	POWER CHANNEL	DATA CHANNEL (CENTER)	DATA CHANNEL (OUTSIDE)
Max Copper X-Section	0.815 sq. in. [52.6mm ²]	0.0686 sq. in. [44.3mm ²]	0.0187 [12.1mm ²]
Max # Conductors	(10) 10 AWG	(22) Cat 6a	(6) Cat 6a

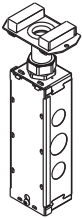
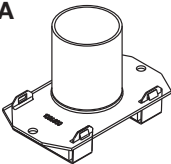
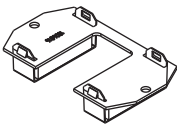
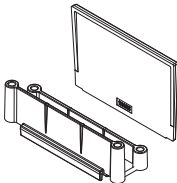
6AT COPPER CROSS-SECTION

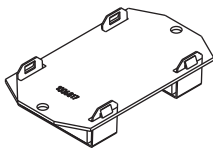
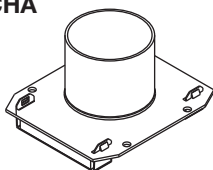
	OUTER CHANNELS	CENTER CHANNEL
Max Copper X-Section	0.0154 sq. in. [9.9mm ²]	0.0387 sq. in. [24.97mm ²]
Max # Conductors	(3) 12 AWG	(12) 14 AWG

6AT CORE HOLE SIZES

FLOOR TYPE	CORE SIZE (Min.)	CORE SIZE (Max.)
Covered Floors (Carpet, Tile or Wood)	6" [152mm]	6 1/8" [156mm]
Bare Concrete or Terrazzo	6 1/16" [154mm]	6 1/8" [156mm]

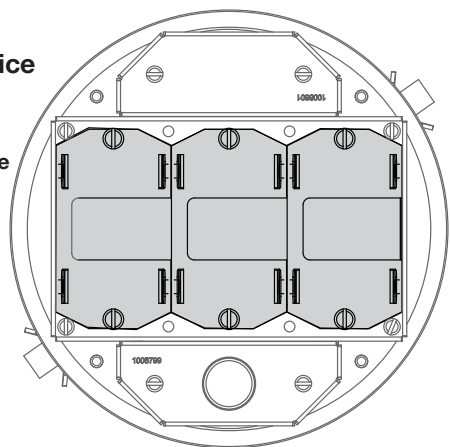
Evolution 8AT Series Bottom Feed Center Mount Device Plates Ordering Information

Catalog No./Item	Description/Specifications
175CHA 	Bottom Housing Assembly – One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on any one (1) of the three (3) gangs in the center compartment.
1125CHA 	Bottom Housing Assembly – One-gang 1 1/4" trade size conduit housing assembly. For use on any one (1) of the three (3) gangs in the center compartment.
1PTHA 	Bottom Housing Assembly – One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on any one (1) of the three (3) gangs in the center.
8DIV 	8" [203mm] Divider – Divider allows for separation of services when required.

Catalog No./Item	Description/Specifications
1BLH 	Bottom Housing Assembly – One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on any one (1) of the three (3) gangs in the center compartment.
22CHA 	Bottom Housing Assembly – Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.

8AT Bottom Feed Center Mount Device Plate Locations

All bottom housing assemblies on this page can be installed in the shaded locations indicated in these illustrations.



8AT COPPER CROSS-SECTION

	OUTER CHANNELS	CENTER CHANNEL
Max Copper X-Section	0.0154 sq. in. [9.9mm ²]	0.0775 sq. in. [16.60mm ²]
Max # Conductors	(3) 12 AWG	(24) 14 AWG

NOTE: When using conductor sizes other than listed above, the aggregate cross-sectional area of the copper conductors shall not exceed the cross-sectional areas listed.

8AT CORE HOLE SIZES

FLOOR TYPE	CORE SIZE (Min.)	CORE SIZE (Max.)
Covered Floors (Carpet, Tile or Wood)	8" [203mm]	8 1/8" [206mm]
Bare Concrete or Terrazzo	8 1/16" [205mm]	8 1/8" [266mm]

CAUTION: Receptacle supplied with this Poke-Thru is not suitable for direct field wiring. Contact manufacturer for replacement. Field modifications will void UL Listing and Classification. Replacement receptacle is limited to this manufacturers' Catalog No 68REC.

Copper Cross Sectional Area of Commonly Used Conductors		
Size	Solid	
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www.legrand.us/wiremold/evolution.



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ED1543R4 – Updated May 2010 – For latest specs visit www.legrand.us/wiremold

