



Large Capacity
Fire-Rated Poke-Throughs

HUBBELL



Wiring Device-Kellems



Large Capacity Fire-Rated Poke-Throughs

Hubbell's Large Capacity Fire-Rated Poke-Throughs put an end to trade-offs by offering everything—size, features, flexibility and safety—demanded for today's ever-changing office environment.

Configurations to Meet Your Exact Needs

Your service needs are unique, and will probably change with time. So, Hubbell offers 2, 4 and 8 gang pedestals to provide the mix of power and voice/data service that's precisely right for you. Unlike other service pedestals that only accept limited types of devices, Hubbell's pedestals have been designed to accommodate the widest possible array of receptacles and premise devices. Standard duplex, surge suppression or even 30-amp Twist-Lock® receptacles, Hubbell meets all power requirements. And, for voice/data, Hubbell offers more than 50 Style Line® communications outlets to choose from.

Choice of Sizes for the Correct Capacity

These versatile pedestals can be fed by means of a 2-inch or 3-inch diameter through-floor fitting. For work stations where cabling requirements

are not as demanding, opt for the 2-inch fitting. Where stations require a maximum number of wires and cables, choose the extra capacity of the 3-inch fitting. This unit handles up to ten #12 THHN wires for power and up to five IBM Type 2 and four 8-conductor voice/data cables. The versatility continues with Hubbell's low-voltage barrier options. Each 4 and 8 gang pedestal can be configured for five different power and voice/data combinations.

Only Hubbell Can Provide the Total Package

Hubbell is the only manufacturer of delivery products—including poke-throughs, floor boxes, power poles, undercarpet cable and surface raceway — with the ability to complete the job with its own line of quality wiring devices and voice/data outlets ... a capability that gives you one more reason to choose Hubbell.

Features and Benefits

Features	Benefits
Unsurpassed through-floor capacity: 1 1/4 in. EMT tube for voice/data, 1/2 in. EMT tube for power, .16 sq. in. total allowable copper cross-sectional area.	Feed up to ten #12 THHN wires for power and five IBM Type 2, plus four 8 conductor cables for voice/data
Service pedestals are available in 3 sizes: 2, 4, and 8 Gang.	A complete offering to meet even the most demanding service requirements.
Heavy gauge aluminum pedestals share a common low-profile design.	Abuse-resistant 2, 4, and 8 Gang pedestals provide a uniform look throughout the office.
Pedestals designed to accommodate the widest selection of power and voice/data devices.	Outfit 4 and 8 Gang pedestals with your choice of duplex, GFCI, Surge Suppression, and Twist-Lock® receptacles, plus over 50 Style Line® Communication Outlets.
4 and 8 Gang pedestals can be outfitted with standard or optional low-voltage barriers.	Provides you with 5 different power and voice/data combinations for maximum versatility.
Wire and cabling for pedestals can be fed via two size through-floor fittings (for 4 and 8 Gang pedestals).	Depending on your wire and cable requirements, choose either the 2 inch diameter, or extra capacity 3 inch diameter fittings.
All units are UL Listed with a fire rating of up to 4 hours.	Safety: Unlike improvised fire-stop methods, these certified fire-safe assemblies have passed stringent UL fire testing in 1-4 hour rated floors.



Variety, Versatility, and Big Capacity

Multi-Service Pedestals (Power & Voice/Data)

2 Gang
FR280

4 Gang
FR480

8 Gang
FR880

Unequalled through-floor capacity –
.16 sq. in. total allowable copper
cross-sectional area

Position clips secure unit to the
floor with minimal effort

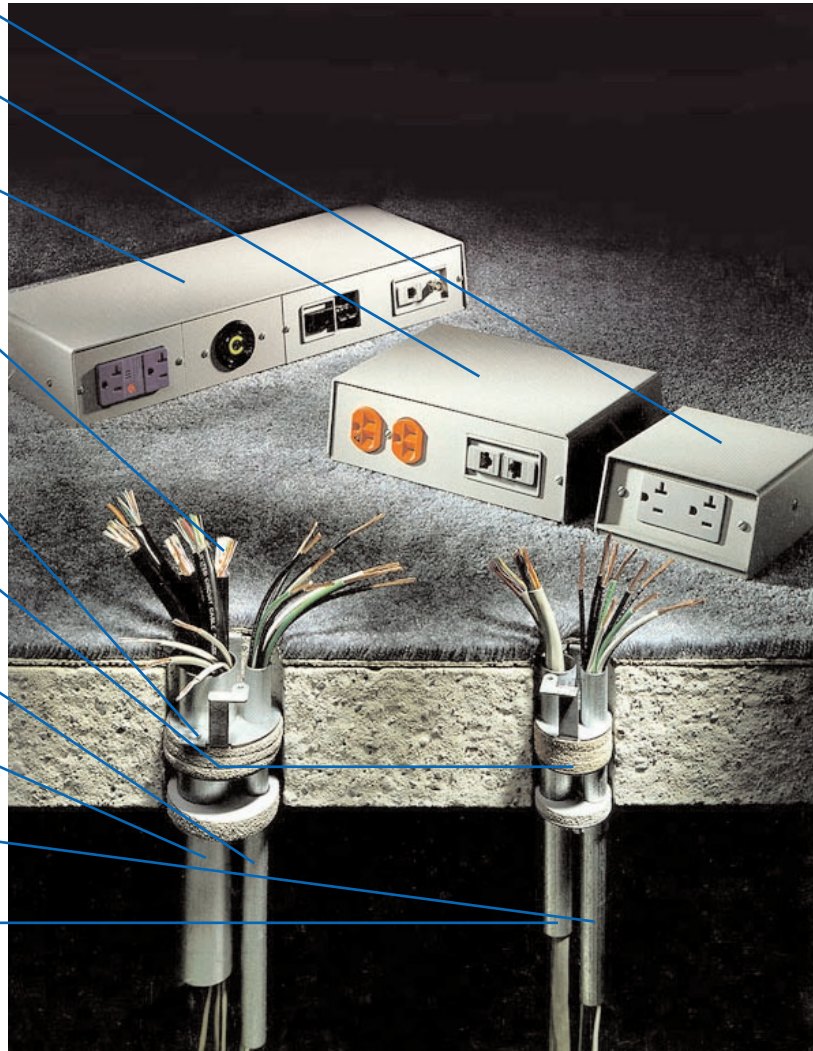
Choice of Through-Floor Fittings

1/2 in. EMT tube for power

Equipped with a full 1-1/4
in. EMT tube for voice/data

1/2 in. EMT tube for
power

3/4 in. EMT tube
for voice/data

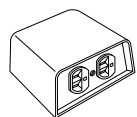


- Choose from 3 size service pedestals.
- Load pedestals with the widest variety of power and voice/data devices.
- 4 and 8 Gang pedestals can be divided for 5 different power and voice/data combinations.
- Use pedestal as an above-floor junction box for furniture feed applications.
- Individual EMT tubes for power and voice/data makes wire pulling easy and facilitates conduit sweeps.
- UL classified for fire-resistance in 1 to 4 hour rated floors



Ordering Information

2 Gang Service Pedestals (Gray)



FR280GY

Complete Units

Description	Catalog No.
One side power includes 20A duplex receptacle, other side voice/data (1 in. I.D. bushed opening).	FRF235GY
Both sides power includes two 20A duplex receptacles.	FR233GY
Both sides voice/data, each with a 1 in. I.D. bushed opening.	FR255GY
Both sides power (includes two 20A duplex receptacles), plus two low-voltage openings in the pedestal housing.	FRRTRGY

Pedestal Kits (Housings)

Description	Catalog No.
Pedestal housing, frame, and low-voltage barrier, excludes devices and face plates.	FR280GY
Pedestal housing, frame, and two low-voltage barriers, excludes devices and face plates. Pedestal housing has two low-voltage openings.	FR3GY



SS2309DGY



SS2309SGY



SS2309BGY



SS2309FGY



SS2309TGY

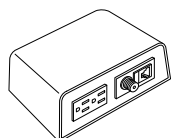


SS2309SLG

Face Plates

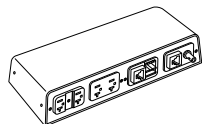
Description	Catalog No.
Duplex receptacle opening.	SS2309DGY
Single receptacle opening (for 1.360 in. - 1.390 in. face dia.).	SS2309SGY
Blank.	SS2309BGY
Furniture feed (with 1.109 in. k.o. to accept 3/4 in. flexible metal conduit connector).	SS2309FGY
Voice/data (with 1 in. I.D. bushed opening).	SS2309TGY
Style Line® opening (for Style Line® receptacles and Communication Outlets).	SS2309SLG

4 Gang Service Pedestal (Gray)



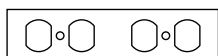
Description	Catalog No.
Pedestal housing, frame, and low-voltage barrier, excludes devices and face plates.	FR480

8 Gang Service Pedestal (Gray)

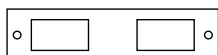


Description	Catalog No.
Pedestal housing, frame, and low-voltage barrier, excludes devices and face plates.	FR880

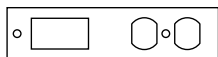
Face Plates (FR480 and FR880 – Gray)



FP82



FP262



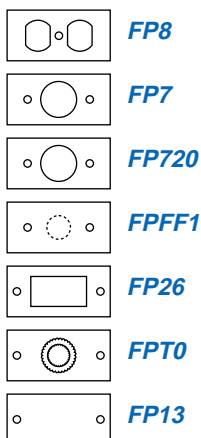
FP826

2 Gang

Description	Catalog No.
Two duplex receptacle openings.	FP82
Two Style Line® openings (for Style Line® receptacles, communication outlets, surge duplex, and GFCI receptacles).	FP262
Combination Style Line® and duplex receptacle openings.	FP826



Face Plates (FR480 and FR880 – Gray)

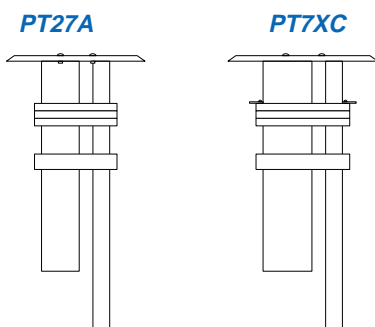


1 Gang

Description	Catalog No.
Duplex receptacle opening.	FP8
Single receptacle opening (for 1.360 in. - 1.390 in. face dia.).	FP7
20 and 30A Twist-Lock® receptacle opening (for 1.550 in. - 1.580 in. face dia.)	FP720
Furniture feed (with 1.109 in. k.o. to accept 3/4 in. flexible metal conduit connector).	FPFF1
Style Line® opening.	FP26
Voice/data (with 1 in. I.D. bushed opening).	FPT0
Blank.	FP13
Protector bar for IBM connector. For use with FP26 face plate and CX245 Style Line® IBM Communication Outlets.	KB1

NOTE: Mix and match 2 gang and 1 gang face plates as required.

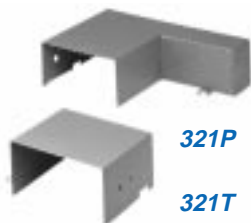
Through-Floor Fittings



Description	Catalog No.
Through-floor fitting to be installed in a 2 in. diameter hole. Contains 3/4 in. EMT tube for low-voltage cabling and 1/2 in. EMT tube for power wiring. For use with all pedestals featured.	PT27A
Through-floor fitting to be installed in a 3 in. diameter hole. Contains 1- 1/4 in. EMT tube for low-voltage cabling and 1/2 in. EMT tube for power wiring. For use with FR480 and FR880 pedestals.	PT7XC

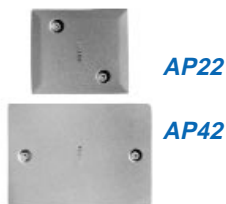
NOTE: PT27A and PT7XC floor thickness range: 2-1/4 in. - 7 in.

Accessories



Optional Low-voltage Barriers

Description	Catalog No.
Permits 3 gangs power, 1 gang voice/data when used in FR480; or 3 gangs power, 5 gangs voice/data when used in FR880. Cubic inch capacity: 56.0	321P
Permits 1 gang power, 3 gangs voice/data when used in FR480; or 1 gang power, 7 gangs voice/data when used in FR880. Cubic inch capacity: 28.0	321T



Abandonment Plates (Gray textured aluminum)

Description	Catalog No.
Used when 2 gang service pedestal is removed (dimensions: 5.88 in. X 6.75 in.).	AP22
Used when 4 gang service pedestal is removed (dimensions: 7.25 in. X 10.00 in.).	AP42



Extension Kit

Description	Catalog No.
Used to extend the floor thickness range of the PT7XC through-floor fitting when concrete floor thickness range is between 7 and 13 inches. Kit includes 1/2 in. x 6 in. long EMT tube, 1 1-4 in. x 6 in. long EMT tube, 1/2 in. EMT coupling and 1- 1/4 in. EMT coupling.	EXT13



Selection Chart

Step 1

Select Service Pedestal

Step 2

- A. If 2 Gang, choose complete pedestal or create your own pedestal (select housing and appropriate face plates).
- B. If 4 Gang, create your own pedestal. Select housing, and desired 1 and/or 2 Gang face plates. Combinations must add up to 4 Gangs (e.g., 2-2 Gangs, 4-1 Gangs, etc.).
- C. If 8 Gang, create your own pedestal. Select housing, and desired 1 and/or 2 Gang face plates. Combinations must add up to 8 Gangs (e.g., 4-2 Gangs, 2-2 Gangs and 4-1 Gangs, etc.).

Step 3

Choose through-floor fitting.

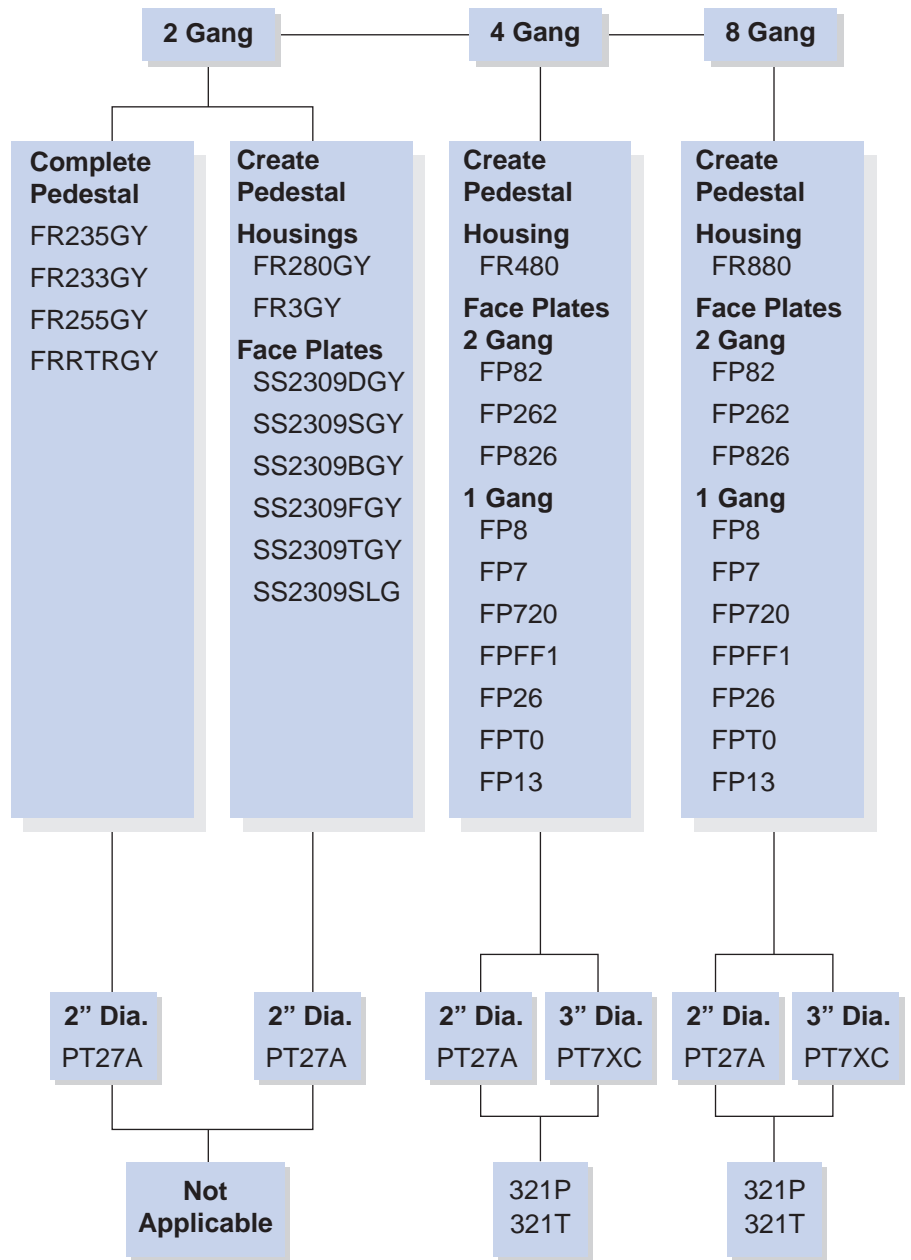
Step 4*

If concrete floor thickness range is between 7 and 13 inches, order extension kit (cat. no. EXT13)

Optional Step 5

Select optional low voltage barrier for specialized power and voice/data combinations.

* EXT 13 extension kit is *only* for use with 3 in. diameter through-floor fitting (cat. no. PT7XC).



Specification Guidelines

3 Inch Diameter Series

Large capacity through-floor fitting that installs in a 3 inch diameter core drilled hole. This unit shall incorporate individual EMT tubes for power and voice/data: Power tubes shall be 1/2 inch diameter EMT, and voice/data tube shall be 1-1/4 inch diameter EMT.

Through-Floor Capacity: Shall be UL Listed to accommodate up to ten #12 AWG type THHN wires for power and up to four 25 pair telephone/data cables. The total allowable copper cross-sectional area shall be no less than .16 sq. in.

Service Pedestals: This through-floor fitting shall accept 4 and 8 gang service pedestals that are partitioned to permit both power and voice/data services.

Description: Expanded Capacity Fire-Rated Poke-Through

2 Inch Diameter Series

Standard capacity through-floor fitting that installs in a 2 inch diameter hole. This unit shall incorporate individual EMT tubes for power and voice/data: Power tube shall be 1/2 inch diameter EMT and voice/data shall be 3/4 inch EMT.

Through-Floor Capacity: Shall be UL Listed to accommodate up to ten #12 AWG type THHN wires and up to two 25 pair telephone/data cables. The total allowable copper cross-sectional area shall be no less than .11 sq. in.

Service Pedestals: This through-floor fitting shall accept 2, 4, and 8 gang service pedestals that are partitioned to permit both power and voice/data services.

UL Fire Rating: All fittings shall be UL classified for fire resistance 1-4 hour rated reinforced concrete floors and 1-3 hour rated floors employing steel form units (D-900 Series designs).



Technical Data

Service Pedestal Options

Dimensional Data	2 Gang-FR280	4 Gang- FR480	8 Gang - FR880
Total cubic inch capacity (single service)	35.5"	102.0"	204.0"
Cubic inch capacity (when divided for multi-service)			
Power	8.8"	44.0"	69.0"
Voice/Data	26.7"	58.0"	135.0"
Service Pedestal Construction	Heavy guage steel frame with aluminum housing and face plates.		
Pedestal Finish	Textured gray epoxy paint.		

Device Options: Power The service pedestals featured are equipped with barriers to permit multi-service configurations. The table below lists the quantity and the types of devices that may be used in the pedestals:

2 Gang	4 Gang	8 Gang
Up to 2 Devices Listed Below	Up to 4 Devices Listed Below	Up to 8 Devices Listed Below
<ul style="list-style-type: none"> • Straight Blade Duplex (15 & 20 Amp) • Style Line® Duplex (15 & 20 Amp) • Straight Blade Single (15 & 20 Amp) • Twist-Lock® Duplex (15 Amp) • Twist-Lock® Single (15 Amp) 	<ul style="list-style-type: none"> • Straight Blade Duplex (15 & 20 Amp) • Style Line® Duplex (15 & 20 Amp) • Straight Blade Single (15 & 20 Amp) • Twist-Lock® Duplex (15 Amp) • Twist-Lock® Single (15, 20 & 30 Amp) • Surge Duplex (15 & 20 Amp) • GFCI (15 & 20 Amp) 	<ul style="list-style-type: none"> • Straight Blade Duplex (15 & 20 Amp) • Style Line® Duplex (15 & 20 Amp) • Straight Blade Single (15 & 20 Amp) • Twist-Lock® Duplex (15 Amp) • Twist-Lock® Single (15, 20 & 30 Amp) • Surge Duplex (15 & 20 Amp) • GFCI (15 & 20 Amp)

NOTE: Wiring for FR480 & FR880 pedestals is fed via a PT7XC or a PT27A through-floor fitting. Please consult wire capacity chart on next page prior to configuring receptacles.

Device Options: Voice/Data 2, 4, & 8 gang pedestals will accept all Style Line® Communication Outlets.

Barrier Options: Multi-Service Combinations

For maximum versatility, the FR480 and FR880 pedestals can be configured to handle 5 different service combinations:

FR480			FR880		
Option	Service Combination	Barrier Required	Option	Service Combination	Barrier Required
1	2 gangs power, 2 gangs voice/data	Use standard barrier provided	1	4 gangs power, 4 gangs voice/data	Use standard barrier provided
2	4 gangs power	Remove standard barrier (none required)	2	8 gangs power	Remove standard barrier (none required)
3	4 gangs voice/data	Remove standard barrier (none required)	3	8 gangs voice/data	Remove standard barrier (none required)
4	3 gangs power, 1 gang voice/data	Remove standard barrier, order Cat. No. 321P	4	3 gangs power, 5 gangs voice/data	Remove standard barrier, order Cat. No. 321P
5	1 gang power, 3 gangs voice/data	Remove standard barrier, order Cat. No. 321T	5	1 gang power, 7 gangs voice/data	Remove standard barrier, order Cat. No. 321T



Technical Data (Continued)

Through-Floor Fittings

Dimensional Data	PT27A	PT7XC
Mounting	2 inch diameter hole	3 inch diameter hole
Floor Thickness Range	2 1/4 - 7 inches	2 1/4 - 7 inches
Fire Rating	1 - 4 hours	1 - 4 hours
Service Pedestal Options	FR280, FR480, FR880 Series	FR480, FR880 Series

Through-Floor Capacities

NOTE: The wiring capacities listed below are intended to be guidelines. These through-floor fittings are UL listed to accommodate any wiring combination with the equivalent cross sectional copper area. However, wiring capacity is also governed by the size of the openings in the fire barriers. Take these factors into consideration when configuring wire capacity.

Power	1/2 inch EMT power tube with a .29 square inch opening in the fire barrier. Handles: Up to ten #12 AWG type THHN wires, <i>or</i> Up to six #12 AWG and two #10 AWG type THHN wires.	1/2 inch EMT power tube with a .29 square inch opening in the fire barrier. Handles: Up to ten #12 AWG type THHN wires, <i>or</i> Up to six #12 AWG and two #10 AWG type THHN wires.
Voice/Data	3/4 inch EMT low-voltage tube with a .35 square inch opening in the fire barrier. Handles: Up to two 25 pair tel/data cables (100 #22 AWG tel/data conductors), <i>or</i> Up to two IBM Type 2 data cables.	1 1/4 inch EMT low-voltage tube with a .87 square inch opening in the fire barrier. Handles: Up to four 25 pair tel/data cables (200 #22 AWG tel/data conductors), <i>or</i> Up to five IBM Type 2 data cables and four 8 conductor tel/data cables.
Total Allowable Copper Cross-Sectional Area (For Power and Voice/Data Combined)	.11 sq. in.	.16 sq. in.

NOTE: When connecting conduit sweeps to through-floor fittings, ensure compliance with N.E.C. fill tables.

UL Characteristics

Listing	UL File Number
Outlet box	E31999
Fire resistance	R8429
<ul style="list-style-type: none"> For use in 1, 1-1/2, 2, 3 or 4 hour rated unprotected reinforced concrete floors <i>or</i> <ul style="list-style-type: none"> In 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs) <ul style="list-style-type: none"> UL Spacing Restrictions – Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span. 	



Wiring Device - Kellems

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