

Section N

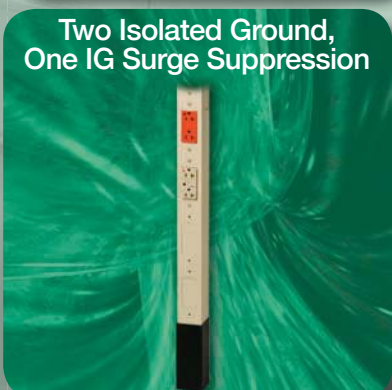
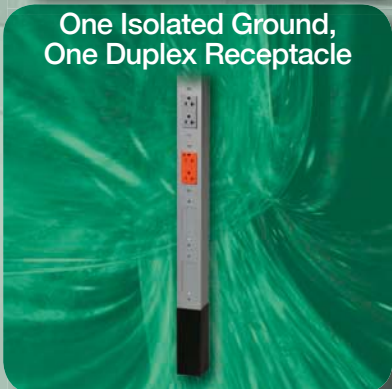
Aluminum Service Poles

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Aluminum Service Poles

Specifications and Dimensional Information

Aluminum Series Offering



HBLPP10AI



HBLPP10IGA



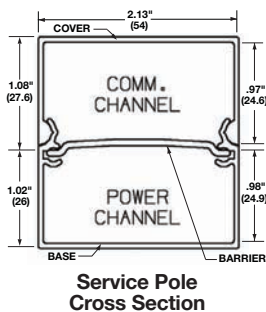
HBLPP10SAI



ATB



PPTRIM1



Service Pole Cross Section

Hubbell offers a line of gray, ivory and clear anodized aluminum service poles. These attractive and durable poles effectively distribute power and telecommunications wiring from above the ceiling to workstations below. They are offered in lengths of 10' 2", 12' 2", and 15' 2", and with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

A blank pole with knockouts is also offered which does not have devices or wiring. In addition to a standard pole, which has two 20 amp duplex receptacles, an isolated ground version is available, as well as a surge suppression version. All poles, except the blank versions, are factory wired with Hubbell Style Line® receptacles. Two Style Line® knockouts are also provided on the same side as the power receptacles for communication outlets.

Ordering Information

Aluminum service poles; gray or ivory painted and clear anodized aluminum; Style Line® duplex receptacles and two Style Line® knockouts for communications; includes ceiling trim mounting plate and scuff boot.

Description	Height Feet (m)	Catalog Number		Clear Anodized Aluminum
		Gray	Ivory	
Three service; two 20A 125V Style Line® duplex receptacles; one circuit.	10' 2" (3.10m)	HBLPP10A	HBLPP10AI	HBLPP10AAL
	12' 2" (3.71m)	HBLPP12A	HBLPP12AI	HBLPP12AAL
	15' 2" (4.62m)	HBLPP15A	HBLPP15AI	HBLPP15AAL
Three service; one orange isolated ground 20A 125V Style Line® duplex receptacle; one 20A 125V Style Line® duplex receptacle; two circuits.	10' 2" (3.10m)	HBLPP10IGA	HBLPP10IGAI	—
Three service; two orange isolated ground 20A 125V Style Line® duplex receptacles; one isolated ground surge suppression 20A 125V duplex receptacle; one circuit.	10' 2" (3.10m)	HBLPP10SA	HBLPP10SAI	—
Three service; blank pole; divider; four Style Line® device knockouts.	10' 2" (3.10m)	HBLPPOA	HBLPPOAI	HBLPPOAAL
	12' 2" (3.71m)	HBLPPO12A	HBLPPO12AI	HBLPPO12AAL
	15' 2" (4.62m)	HBLPPO15A	HBLPPO15AI	HBLPPO15AAL
Adjustable T-bar assembly for mounting poles in middle of ceiling tile (req. PPTRIM1 trim kit).	—	ATB	—	—
Replacement service pole trim kit (off white).	—	PPTRIM1	—	—

Note: Style Line® communication outlets, modular jacks, and data connectors are sold separately. See section P for complete line.

Specifications

Material: Extruded aluminum; .05" thick (1.27mm)
Finish: gray, ivory or clear anodized aluminum
Conductors: #12 AWG stranded copper

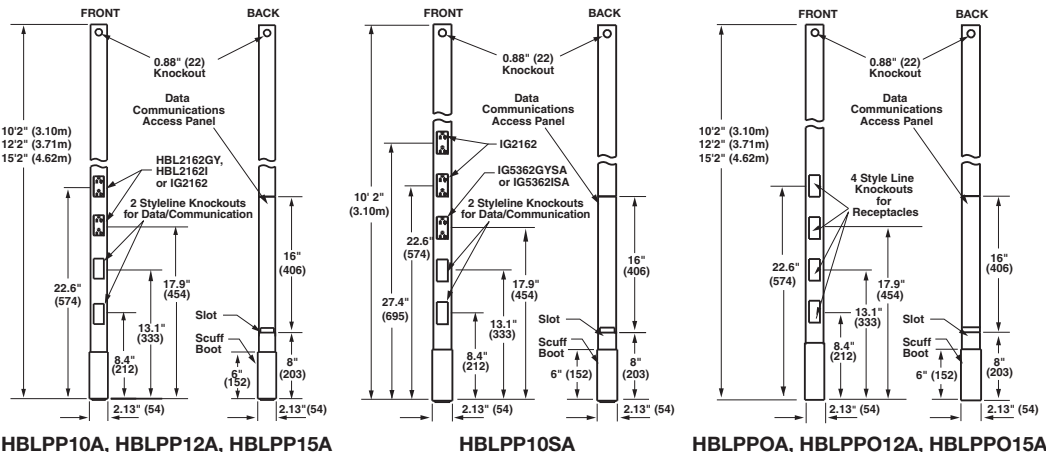
Receptacles: (see drawings below)
Listing: UL Listed

Wiring Capacity (@40% fill)	Voice Data Channel*			Power Channel**
	Cat. 5E	Cat. 6	Cat. 6A	
HBLPP10A; HBLPP12A; HBLPP15A; HBLPP10IGA	26	11	9	41
HBLPP10SA; HBLPP10SAI	8	6	3	41
HBLPPOA, HBLPPO12A, HBLPPO15A (with barrier)	26	11	9	41

Note: * Pole wiring capacity (telephone fill): Cat. 5 UTP (1.96 sq. ft.).

** #12 THHN stranded.

Dimensions



Aluminum Service Poles

Custom Pole Configurations

Custom Poles

Using the chart below, you can create a custom service pole. For configurations that require additional customization, please consult Hubbell Technical Service at (475) 882-4800.

Position		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S P	1	0	0	2	1	1	B	B	B	X	X	X	C	I

Example: SP100211BBBXXCI

10 Feet 02 Inches, (2) Rectangular Style Line® Knockouts for Data, (3) HBL2162 Duplex Receptacles, (2) Circuits (First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2), Ivory.

Worksheet

Position		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S P														

Position 1 & 2: Height to the nearest foot.	08-22 Feet.
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Position 3 & 4: Height in inches up to 11".	00-11 Inches.
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Position 5, 6, 7, 8, 9, 10, 11, 12:
Starting at **Position 5** Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at **Position 5**. Empty **Positions** should be filled with an "X" to designate an empty field.

Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.

Data Selections

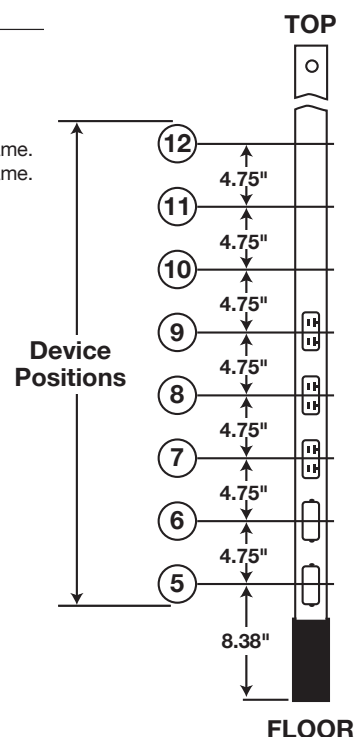
- 1 - Rectangular Style Line® Knockout.
- 2 - ½" N.P.T. Knockout (0.875" diameter).
- 3 - ¾" N.P.T. Knockout (1.109" diameter).
- 4 - 2-Port Style Line® Data Frame, 1-Gang, 2 Port Voice/Data Frame.
- 5 - 3-Port Style Line® Data Frame, 1-Gang, 3 Port Voice/Data Frame.

Power Selections

- 6 - Rectangular Style Line® Knockout (for blank poles only).
- 7 - ½" N.P.T. Knockout (0.875" diameter, for blank poles only).
- 8 - ¾" N.P.T. Knockout (1.109" diameter, for blank poles only).
- A - 5362, 20A, 125V AC, Duplex.
- B - HBL2162, 20A, 125V AC, Style Line® Duplex.
- C - IG5362, 20A, 125V AC, I.G. Duplex.
- D - IG2162, 20A, 125V AC, I.G. Style Line® Duplex.
- G - HBL4700, 15A, 125V AC, Twist-Lock® Duplex.
- H - IG4700, 15A, 125V AC, I.G. Twist-Lock® Duplex.
- I - IG2310, 20A, 125V AC, I.G. Twist-Lock® Single.
- J - IG5361, 20A, 125V AC, I.G. Single.
- K - HBL5361, 20A, 125V AC, Single.
- L - HBL2310, 20A, 125V AC, Twist-Lock® Single.
- M - HBL2610, 30A, 125V AC, Twist-Lock® Single.
- N - HBL2320, 20A, 250V AC, Twist-Lock® Single.
- O - HBL2620, 30A, 250V AC, Twist-Lock® Single.
- Q - IG4710, 15A, 125V AC, I.G. Twist-Lock® Single.
- R - HBL4710, 15A, 125V AC, Twist-Lock® Single.
- S - HBL5662, 15A, 250V AC, Duplex.
- T - IG5662, 15A, 250V AC, I.G. Duplex.
- U - HBL5661, 15A, 250V AC, Single.
- V - IG5661, 15A, 250V AC, I.G. Single.
- W - HBL5462, 20A, 250V AC, Duplex.

Position 13: Power Circuits	<p>Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts).</p> <p>A - All devices on a single circuit.</p> <p>B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2.</p> <p>C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.</p> <p>D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.</p> <p>E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.</p> <p>F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.</p> <p>G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.</p> <p>H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.</p>
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Position 14: Color	<p>I - Ivory.</p> <p>G - Gray.</p> <p>W - White.</p> <p>K - Black.</p> <p>A - Aluminum with clear anodized finish.</p>
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Aluminum Service Poles

Division 16 Specifications

Section 16110 Raceways

Part 2: Products

2.01 Manufacturer

A. The power poles specified herein for branch circuit wiring shall be Hubbell Service Poles as manufactured by Hubbell Inc., Wiring Device-Kellems® or approved equal. Other manufacturers may be considered equal if they meet the performance requirements of this specification and have received prior written approval.

2.02 Components/Accessories

A. The hardware for mounting Service Poles in the middle of a ceiling tile shall be Hubbell adjustable T-Bar type ATB with trim plate kit type PPTRIM1.

2.03 Materials

A. Standard and Custom Aluminum Service Poles

1. **Standard Style Line® Duplex**

These Service Poles shall be extruded aluminum with a heavy gauge body (.050 ±.005 inches thick) to resist denting. These poles shall be two-channel to accommodate both power and low voltage services on the same side of the pole. Service poles shall be pre-wired with #12 AWG wire and equipped with two specification grade Style Line® receptacles (20A, 125V). These receptacles shall be Hubbell type HBL2162GY/HBL2162I or an approved equal. The low voltage (back) channel of the service pole shall incorporate an access panel that provides a passageway to two Style Line® communication knockouts located on the front of the pole.

Finish

Service Poles will include a painted or clear anodized finish.

Custom poles are available in Gray, Ivory, White, Black and Clear Anodized Aluminum.

Heights

Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. 2 in. (3.10m), 12 ft. 2 in. (3.71m) and 15 ft. 2 in. (4.62m). Custom Poles shall be available in a range of sizes, a configurator pole is 8 through 22 ft. Other custom poles can be as short as 6 in. through 22 ft.

10 ft. 2 in. (3.10m): Hubbell type HBLPP10A, HBLPP10AI, HBLPP10AAL.

10 ft. 2 in. (3.10m): With Surge; Hubbell Type HBLPP10SA, HBLPP10SAI.

10 ft. 2 in. (3.10m): Isolated Ground; Hubbell Type HBLPP10IGA, HBLPP10IGAI.

12 ft. 2 in. (3.71m): Hubbell type HBLPP12A, HBLPP12AI, HBLPP12AAL.

15 ft. 2 in. (4.62m): Hubbell type HBLPP15A, HBLPP15AI, HBLPP15AAL.

8-22 feet: Hubbell Custom Poles.

2. **Isolated Ground**

The following Service Poles contain one Hubbell isolated ground receptacle Hubbell #IG2162 and one #HBL2162GY/HBL2162I, both 20A, 125V Style Line® receptacles (wired on separate circuits). Gray aluminum painted poles shall be Hubbell type HBLPP10IGA. Ivory pole shall be Hubbell type HBLPP10IGAI. Custom poles with a variety of receptacles may also include isolated ground type devices.

3. **Surge Suppression/Isolated Ground**

The following Service Poles contain one Hubbell #IG5362GYSA/IG5362ISA (20A, 125V Surge/IG Style Line® Duplex) and two #IG2162 (20A, 125V IG Style Line® Duplex) receptacles. All receptacles are wired on the same circuit, therefore providing surge protection at each outlet. Gray aluminum painted pole shall be Hubbell type HBLPP10SA. Ivory pole shall be Hubbell type HBLPP10SAI. Custom poles with a variety of receptacle options may also include surge suppression.

4. **Blank**

The following poles are two-channel and do not include receptacles or wiring. All poles include a barrier which starts between the second and third knockout positions from the bottom of the pole. Custom poles with or without a barrier are available as well.

10 ft. 2 in. (3.10m): Hubbell type HBLPPOA, HBLPPOAI, HBLPPOAAL.

12 ft. 2 in. (3.71m): Hubbell type HBLPPO12A, HBLPPO12AI, HBLPPO12AAL.

15 ft. 2 in. (4.62m): Hubbell type HBLPPO15A, HBLPPO15AI, HBLPPO15AAL.

B. Voice/Data Interface

All Service Poles must allow for acceptance of Hubbell Style Line® communication outlets.