

# Section Q Aluminum Service Poles



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constructionphotographs.com





HBLPP10AI



HBLPP10IGA



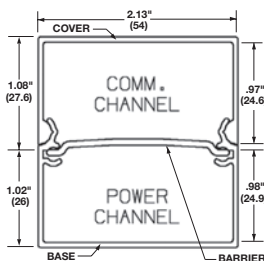
HBLPP10SAI



ATB



PPTRIM1



### Aluminum Series Offering

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" 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 or surge suppression version is also available. All poles, except the blank versions, are factory wired with Hubbell Style Line® decorator 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® decorator 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)	<b>HBLPP10A</b>	<b>HBLPP10AI</b>	<b>HBLPP10AAL</b>
	12' 2" (3.71m)	<b>HBLPP12A</b>	<b>HBLPP12AI</b>	<b>HBLPP12AAL</b>
	15' 2" (4.62m)	<b>HBLPP15A</b>	<b>HBLPP15AI</b>	<b>HBLPP15AAL</b>
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)	<b>HBLPP10IGA</b>	<b>HBLPP10IGA I</b>	—
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)	<b>HBLPP10SA</b>	<b>HBLPP10SA I</b>	—
Three service; blank pole; divider;	10' 2" (3.10m)	<b>HBLPPOA</b>	<b>HBLPPOAI</b>	<b>HBLPPOAAL</b>
	12' 2" (3.71m)	<b>HBLPPO12A</b>	<b>HBLPPO12AI</b>	<b>HBLPPO12AAL</b>
	15' 2" (4.62m)	<b>HBLPPO15A</b>	<b>HBLPPO15AI</b>	<b>HBLPPO15AAL</b>
Adjustable T-bar assembly for mounting poles in the middle of ceiling tile.		<b>ATB</b>	<b>ATB</b>	<b>ATB</b>
Replacement service pole trim kit (office white).		<b>PPTRIM1</b>	<b>PPTRIM1</b>	<b>PPTRIM1</b>

Note: See section W for additional information on datacom products.

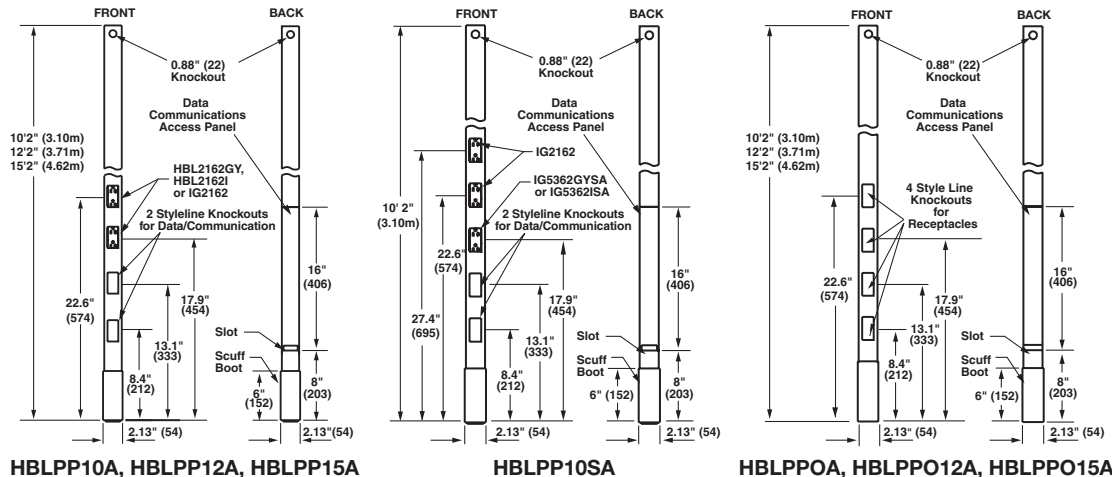
### Specifications

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
HBLPPO10A; HBLPPO10SAI	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





## 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	<b>S</b>	<b>P</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
Selections	<b>S</b>	<b>P</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>C</b>	<b>I</b>

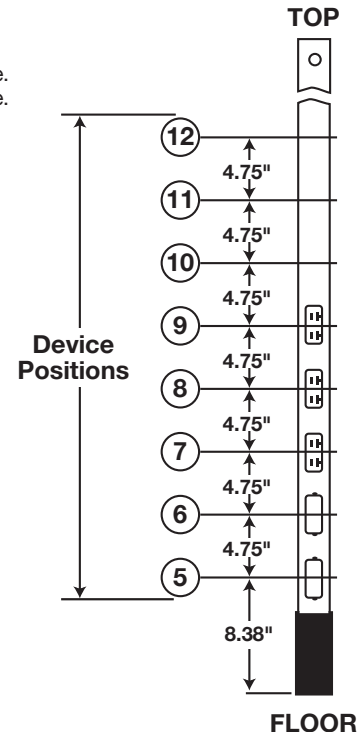
**Example: SP100211BBBXXCI**

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	<b>S</b>	<b>P</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
Selections	<b>S</b>	<b>P</b>														

<b>Position 1 &amp; 2:</b> Height to the nearest foot.	08-22 Feet.
<b>Position 3 &amp; 4:</b> Height in inches up to 11".	00-11 Inches.
<p><b>Position 5, 6, 7, 8, 9, 10, 11, 12:</b> Starting at <b>Position 5</b> Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at <b>Position 5</b>. Empty <b>Positions</b> should be filled with an "X" to designate an empty field.</p> <p><i>Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.</i></p>	<p><b>Data Selections</b> 1 - Rectangular Style Line® Knockout. 2 - ½" NPT Knockout (0.875" diameter). 3 - ¾" NPT 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.</p> <p><b>Power Selections</b> 6 - Rectangular Style Line® Knockout (for blank poles only). 7 - ½" NPT Knockout (0.875" diameter, for blank poles only). 8 - ¾" NPT Knockout (1.109" diameter, for blank poles only). A - 5362, 20A, 125V AC, Duplex. B - HBL2162, 20A, 125V AC, Style Line® Decorator Duplex. C - IG5362, 20A, 125V AC, I.G. Duplex. D - IG2162, 20A, 125V AC, I.G. Style Line® Decorator Duplex. G - HBL4700, 15A, 125V AC, Twist-Lock® Duplex. H - IG4700A, 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.</p>
<b>Position 13:</b> Power Circuits	<p>Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts). A - All devices on a single circuit. B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2. C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.</p>
<b>Position 14:</b> Color	<p>I - Ivory. G - Gray. W - White. K - Black. A - Aluminum with clear anodized finish.</p>



Dimensions in Inches (mm)



## Part 2: Products

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### 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

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### 1. Standard Style Line® Decorator 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® decorator 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® decorator 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® decorator duplex) and two #IG2162 (20A, 125V IG Style Line® decorator 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

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