

Section N

Aluminum Service Poles

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Service Poles Aluminum Series

Hubbell offers a line of gray and ivory extruded 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 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; Style Line® duplex receptacles; includes ceiling trim mounting plate and scuff boot.

Description	Catalog Numbers	
	Gray	Ivory
Three service; two 20A 125V duplex receptacles; one circuit. Height 10'2" (3.10 m). Height 12'2" (3.71 m). Height 15'2" (4.62 m).	HBLPP10A HBLPP12A HBLPP15A	HBLPP10AI HBLPP12AI HBLPP15AI
Three service; one orange isolated ground 20A 125V duplex receptacle; one 20A 125V duplex receptacle; two circuits; 10'2" (3.10 m).	HBLPP10IGA	HBLPP10IGAI
Three service; two orange isolated ground 20A 125V duplex receptacles; one isolated ground surge suppression 20A 125V duplex receptacle; one circuit; 10'2" (3.10 m).	HBLPP10SA	HBLPP10SAI
Three service; blank pole; divider; four device knockouts; 10'2" (3.10 m).	HBLPPOA	HBLPPOAI
Adjustable T-bar assembly for mounting poles in middle of ceiling tile.	ATB	
Replacement service pole trim kit (ceiling white)	PPTRIM1	

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

Specifications

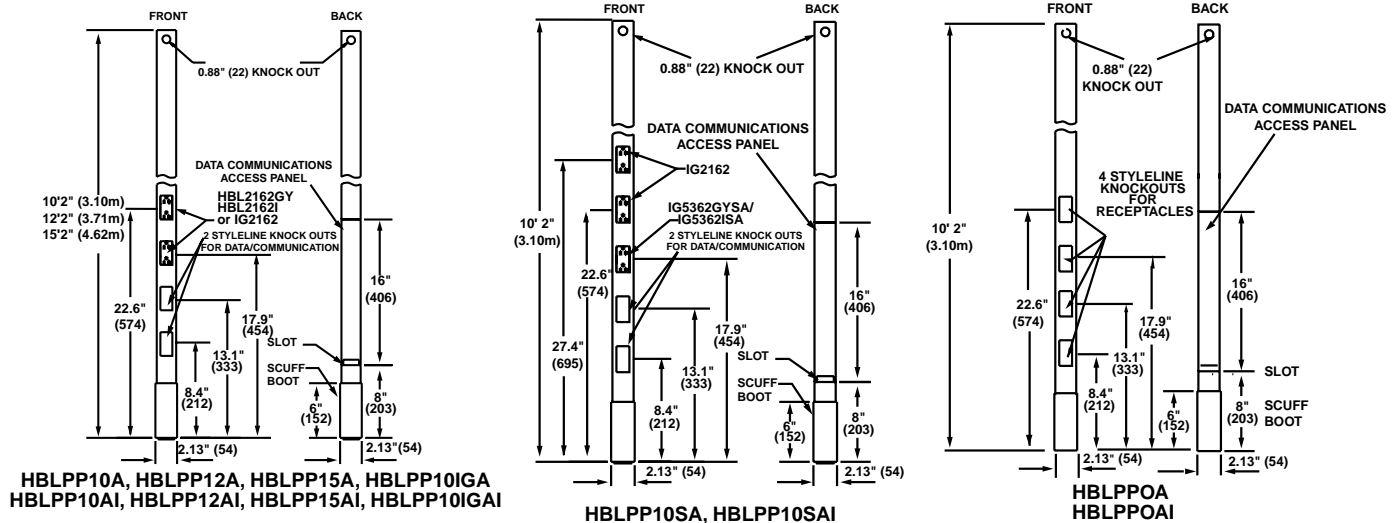
Material: Extruded aluminum; .05" thick (1.27 mm) Conductors: #12 AWG stranded copper
 Finish: gray or ivory powder paint Receptacles: (see drawings below)
 Listing: UL Listed- UL File Numbers E80107 and E130297

Wiring Capacity (@40% fill)	Voice Data Channel*	Power Channel**
HBLPP10A; HBLPP12A; HBLPP15A; HBLPP10IGA HBLPP10AI; HBLPP12AI; HBLPP15AI; HBLPP10IGAI	15	41
HBLPP10SA; HBLPP10SAI	6	41
HBLPPOA (with barrier)	15	41
HBLPPOAI (with barrier)	15	41

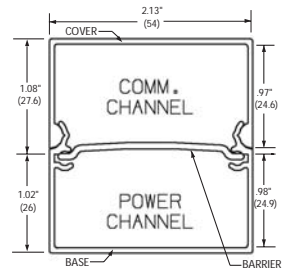
Notes: *Pole wiring capacity (telephone fill): Cat. 5 UTP (.250" dia.).
 **#12 THHN stranded.

Note: See section P for Style Line communication outlets, modular jacks and data connectors. Each sold separately.

Dimensions (in/mm)



HBLPP10A
Front Side Back Side



Service Poles Aluminum Series Custom Pole Configuration

By using the chart below, you can create virtually any pole configuration.

Position

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
P	2	2	0	0	1	2	1	2	A	A	F	G	K	W			
Pole	Feet	Inches	Knockouts				Power Receptacle Options				Feed	Color	Barrier Options				

Example: P22001212AAFQKW

22 feet 0 inches, 2) Style Line® Data Openings, 2) 3/4" NPT KO's, 2) 20A Duplex Receptacles, 1) 20A IG TVSS duplex Receptacle, one IG circuit to one surge device, one non-IG circuit for all others, White.

Note: Data knockouts *must* be identified first with receptacle options identified second.

Position Number	Position Value
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Position 1: Pole.	P designates "Pole".
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Position 2 & 3: Height to the nearest foot.	08-22 Feet. Poles over 22' include splice.
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Position 4 & 5: Height in inches up to 11".	00-11 Inches.
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Position 6, 7, 8 & 9: Knockouts.	1- Style Line® Knockout. 2- 1/2" N.P.T. Knockout. 3- 3/4" N.P.T. Knockout Z- Blank, No Device.
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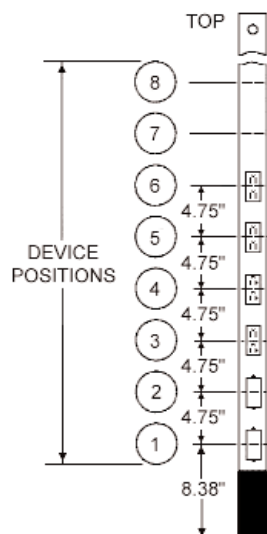
Note: Data knockouts *must* be identified first with receptacle options identified second.

Position 10, 11, 12 & 13: Power receptacle options.	A- CR5362, 20A, 125V AC, Duplex. B- HBL2162, 20A, 125V AC, Style Line Duplex. C- IG5362, 20A, 125V AC, IG Duplex. D- IG2162, 20A, 125V AC, I.G. Style Line Duplex. E- HBL5362SA, 20A, 125V AC, Surge Duplex. F- IG5362SA, 20A, 125V AC, I.G. Surge 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. P- GFR5352A, 20A, 125V AC, GFCI Duplex. Q- IG4710, 15A, 125V AC, I.G. Twist-Lock I.G. 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. X- Place holder in catalog number (not blank space on pole). Y- Any custom receptacle not listed above. Z- Blank space on pole (Leave this position blank on pole).
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Position 14: Power circuits.	A- One non-I.G. circuit, all devices. B- One non-I.G. circuit to two devices; one non-I.G. circuit for all others. C- One non-I.G. circuit to three devices; one non-I.G. circuit for all others. D- One I.G. circuit to any I.G. devices; one non-I.G. circuit to any others. E- Reserved. F- Reserved. G- One non-I.G. circuit to one surge device; one non-I.G. circuit to any others. H- One non-I.G. circuit to one surge device & one non-I.G. other device; one non-I.G. circuit to any others. I- One non-I.G. circuit to one surge & two other devices; one non-I.G. circuit to any others. J- One non-I.G. circuit to one surge device & one other device; One non-I.G. circuit to one surge device & one non-I.G. other device. K- One I.G. circuit to one I.G. surge device; one non-I.G. circuit to any other devices. L- One I.G. circuit to one I.G. surge device & one other I.G. device; one non-I.G. circuit to any others. M- One I.G. circuit to one I.G. surge device & two other I.G. devices; one non-I.G. circuit to any others. N- One I.G. circuit to one I.G. surge device & one other I.G. device; one I.G. circuit to one I.G. surge device & one other I.G. device. O- No circuit. P- One non-I.G. circuit to each individual non-I.G. device. Q- One I.G. circuit to each individual I.G. device. R- Custom wiring to be specified in bill of material. S- One non-I.G. circuit to one device, one non-I.G. circuit to any other devices. T- One I.G. circuit, all devices. U- One I.G. circuit to one I.G. device, one I.G. circuit to any others. V- One I.G. circuit to each individual I.G. device, one non-I.G. circuit to any others.
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Position 15: Pole color.	I- Ivory. G- Gray. W- White. K- Black. A- Anodized Aluminum.
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Optional Position 16, 17 & 18: Pole barrier options.	M01- No barrier. M02- Barrier starts between 1st and 2nd position from bottom of pole. M03- Barrier starts between 2nd and 3rd position from bottom of pole. M04- Barrier starts between 3rd and 4th position from bottom of pole. M05- Barrier starts between 4th and 5th position from bottom of pole.
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Service Poles

Section 16110 Raceways*Division 16 Specifications***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 (no less than .05 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 prewired 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 powder paint finish.

Gray poles shall be Hubbell types HBLPP10A, HBLPP12A, HBLPP15A, HBLPP10SA, HBLPP10IGA.

Ivory poles shall be Hubbell types HBLPP10AI, HBLPP12AI, HBLPP15AI, HBLPP10SAI, HBLPP10IGAI.

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

Heights

Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. (3.048m.) 12 ft. (3.658m.) 15 ft. (4.573m). Custom Poles shall be available in a range of sizes from 8 through 44 feet in increments of 1".

10 feet 2 inches (3.10m): Hubbell type HBLPP10A, HBLPP10AI.
 10 feet 2 inches (3.10m): With Surge; Hubbell Type HBLPP10SA, HBLPP10SAI
 10 feet 2 inches (3.10m): Isolated Ground; Hubbell Type HBLPP10IGA, HBLPP10IGAI
 12 feet 2 inches (3.71m): Hubbell type HBLPP12A, HBLPP12AI.
 15 feet 2 inches (4.62m): Hubbell type HBLPP15A, HBLPP15AI.
 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 powder 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 powder 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. Gray aluminum powder painted pole with 4 Styleline knockouts shall be Hubbell type HBLPPOA. Ivory pole with four Style Line knockouts shall be Hubbell type HBLPPOAI. Both 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.

B. VOICE/DATA INTERFACE

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