



## Smoke Stack Equipment



This section is devoted entirely for heavy-duty equipment used on industrial smoke stack and chimney applications. For help in design and selection of products in these applications, please feel free to contact our Engineering Department for additional assistance. Delivery is normally extended on this line of products due to low demand.

### Cable

IPC can supply tin/lead covered cables up to 125' in length. We can also provide continuous lengths of material for the downleads and provide 25' tin/lead cable for the upper portion of the stacks. This will eliminate any concern about electrical continuity at these critical locations. Specify your requirement at the time you place your order.

### **Lead Covered Copper Cables—Heavy Duty**



No.	No. Wires	Gauge of Wires	Cable Size	Approx. Wt. per 1,000 Ft.
503	28	.066" B & S	1/0	994 lbs.
504	30	.066	2/0	1,034 lbs.
504B	28	.0865"	4/0	1,394 lbs.
505A	28	.0945"	4/0+	1,522 lbs.

Note: The lead covering is 1/16" thickness



**Product Manufactured by:** Independent Protection Co., Inc.  
**Product Distributed by:** Ohio Valley Lightning Protection, Inc.  
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# Smoke Stack Equipment



## Lead Covered Solid Copper Points

5/8" size lead covered points are fabricated from 5/8" copper bar stock and measure 3/4" outside diameter. 3/4" size lead covered points are fabricated from 3/4" copper bar stock and measure 7/8" outside diameter. The outside diameter dimensions given include the 1/16" thickness of lead covering. Thread specifications on the 5/8" plain solid copper, Monel or stainless steel points are 5/8"-11 U.S. standard threads. On the 3/4" points, the thread specification is 3/4"-10 U.S. standard threads.

### 5/8" Size L.C. Points

- #516A - 5/8" size (3/4" OD), 18" long
- #516 - 5/8" size (3/4" OD), 3' long
- #517 - 5/8" size (3/4" OD), 4' long
- #518 - 5/8" size (3/4" OD), 5' long
- #519 - 5/8" size (3/4" OD), 6' long
- #520 - 5/8" size (3/4" OD), 8' long

### 3/4" Size L.C. Points

- #521 - 3/4" size (7/8" OD), 3' long
- #522 - 3/4" size (7/8" OD), 4' long
- #523 - 3/4" size (7/8" OD), 5' long
- #524 - 3/4" size (7/8" OD), 6' long
- #525 - 3/4" size (7/8" OD), 8' long

## Plain Solid Copper Points

### 5/8" Points

- #332A - 5/8" diameter, 18" long
- #332C - 5/8" diameter, 3' long
- #332D - 5/8" diameter, 4' long
- #332E - 5/8" diameter, 5' long
- #332F - 5/8" diameter, 6' long
- #332H - 5/8" diameter, 8' long

### 3/4" Points

- #511 - 3/4" diameter, 3' long
- #512 - 3/4" diameter, 4' long
- #513 - 3/4" diameter, 5' long
- #514 - 3/4" diameter, 6' long
- #515 - 3/4" diameter, 8' long

If required, points up to 48" length can be supplied with full nickel plating.

## Plain Solid Monel Points

Monel points are used on stack applications where extreme heat penetrates the top of the stacks. Examples of these chimneys include coke furnaces, smelting plants, etc.

### 5/8" Points

- #516M - 5/8" diameter, 3' long
- #517M - 5/8" diameter, 4' long
- #518M - 5/8" diameter, 5' long
- #519M - 5/8" diameter, 6' long
- #520M - 5/8" diameter, 8' long

### 3/4" Points

- #521M - 3/4" diameter, 3' long
- #522M - 3/4" diameter, 4' long
- #523M - 3/4" diameter, 5' long
- #524M - 3/4" diameter, 6' long
- #525M - 3/4" diameter, 8' long

★ Denotes normally stocked item available for shipment within 48 hours. Items not stocked are available within 14 days.



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## Plain Solid Stainless Steel Points



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Stainless steel points are used on stack applications where extreme heat is present at the top of the stacks. Examples include coke furnaces, smelting plants, etc. Type 304 stainless steel is standard. Type 316 stainless steel is available at additional cost when specified. .

### 5/8" Points

- #516AS - 5/8" diameter, 18" long
- #516S - 5/8" diameter, 3' long
- #517S - 5/8" diameter, 4' long
- #518S - 5/8" diameter, 5' long
- #519S - 5/8" diameter, 6' long
- #520S - 5/8" diameter, 8' long

### 3/4" Points

- #521S - 3/4" diameter, 3' long
- #522S - 3/4" diameter, 4' long
- #523S - 3/4" diameter, 5' long
- #524S - 3/4" diameter, 6' long
- #525S - 3/4" diameter, 8' long

## Lead Covered Connectors

All lead covered connectors are furnished with stainless steel or Monel bolts and screws. Connectors are furnished with standard with 5/8" ID thread. 3/4" thread is available if specified.



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### Circuit Cable & Point Connectors

- #538X - Connector without Anchor.** Wt. 3.26 lb. ea.
- #538 - Connector with 1/2" Lead Anchor.** Wt. 3.44 lb. ea.
- #539 - Connector with 1/2" Bronze Expansion Anchor.** Wt. 3.38 lb. ea.
- #540 - Connector with Lay-in Shank.** Wt. 3.92 lb. ea.
- #538Y - Connector With 1/2" Concrete Insert Anchor.** Wt. 3.46 lb. ea.



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### Three-way Cable & Point Connectors

- #535X - Connector without Anchor.** Wt. 3.62 lb. ea.
- #535 - Connector with 1/2" Lead Anchor.** Wt. 3.86 lb. ea.
- #536 - Connector with 1/2" Bronze Expansion Anchor.** Wt. 3.83 lb. ea.
- #537 - Connector with Lay-in Shank.** Wt. 3.88 lb. ea.
- #535Y - Connector With 1/2" Concrete Insert Anchor.** Wt. 3.88 lb. ea.
- #537Z - Connector with Embedded Anchor-Cable Fastener** for clamping to concealed downlead cable. Wt. 3.88 lb. ea.

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## Universal Chimney Point Support and Cable Connector

This connector is for use with an air terminal and as a cable connector on heavy duty chimneys. The connector is mounted on top of chimneys that are either poured concrete, limestone, cast iron or for metal caps that are 1/4" minimum thickness. This top mounting is not recommended on chimneys of brick, thin cement or light sheet metal caps. The universal mount can also be used as a side mount. The connector is furnished with various anchors described below and is threaded for 5/8" air terminals. Screw type lead plugs are furnished for openings in connector not requiring cable or air terminal.

- #5535 - with 3/8" lead anchor. Wt. 3.00 lb. ea.
- #5536 - with 1/2" lead anchor. Wt. 3.04 lb. ea.
- #5537 - with 3/8" expansion anchor. Wt. 2.92 lb. ea.
- #5538 - with 1/2" expansion anchor. Wt. 3.00 lb. ea.
- #5539 - with concrete insert anchor. Wt. 3.06 lb. ea.
- #5540 - with lay-in anchor. Wt. 2.98 lb. ea.
- #5542 - with embedded anchor-cable fastener for clamping to concealed downlead cable. Wt. 3.06 lb. ea.

Note: Above connectors drilled to fit 1/2" diameter lead-coated cable, unless otherwise specified.

## Cross Run Cable Clamp

Cross run clamps are used when making connections between midway bands and downlead cables. Cross runs are also used when connecting downlead cables to a counterpoise grounding system.



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- #119 - 1/2" and 9/16" cable. Wt. .40 lb. ea.
- #119A - 5/8" and 3/4" cable. Wt. .46 lb. ea.
- #569B - 1/2" and 9/16" cable, lead covered.
- #569C - 5/8" and 3/4" cable, lead covered.

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