



Smoke Stack Equipment

This section is devoted entirely for equipment used on industrial smoke stack and chimney applications. For your help in design and selection of products for these applications, please feel free to contact our Engineering Department for their assistance.

Cable

IPC can supply lead covered cables in lengths up to 125'. In our manufacturing process, we can provide continuous lengths of material for the downloads and the upper 25' of the stacks. This eliminates any splicing problems or continuity issues at these critical locations. Just specify your requirements at the time material is ordered. For the cable run at the top of the stack, you can order a separate length or include with the length that will be lead covered.

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



Independent Protection Co., Inc.

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Smoke Stack Equipment

Lead Covered Solid Copper Points

5/8" size lead covered points are made from 5/8" copper bar stock and measure 3/4" outside diameter. 3/4" size lead covered points are made 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. Threads on 5/8" plain solid copper, Monel or stainless steel points are 5/8-11 U.S. standard threads. On 3/4" points the threads are 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 would be 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



Stainless steel points are used on stack applications where extreme heat penetrates the top of the stacks. Examples of these chimneys would be coke furnaces, smelting plants, etc. Type 304 stainless steel is standard. Type 316 stainless steel is available at additional cost when specified on order or quotation.

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 5/8" ID thread unless 3/4" thread is specified in order.



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.



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 cable connector on heavy duty chimneys. This connector is mounted on top of chimneys that are poured concrete, limestone, cast iron or a metal cap that is 1/4" minimum thickness. This top mounting is not recommended on chimneys of brick, thin cement or light sheet metal caps. This 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 in connecting downlead cables to a counterpoise grounding system.



#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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Smoke Stack Equipment

Lead Covered Cable and Point Attachments Pinch Type Fasteners



#555 - 1/2" cable fastener with 1/2" lead anchor. Wt. .60 lb. ea.
#555A - 5/8" cable fastener with 1/2" lead anchor. Wt. .60 lb. ea.



#555Y - 1/2" cable fastener with 1/2" concrete insert anchor. Wt. .60 lb. ea.
#555AY - 5/8" cable fastener with 1/2" concrete insert anchor. Wt. .60 lb. ea.



#556 - 1/2" cable fastener with 1/2" expansion anchor. Wt. .56 lb. ea.
#556A - 5/8" cable fastener with 1/2" expansion anchor. Wt. .56 lb. ea.



#557 - 1/2" cable fastener with lay-in shank. Wt. .52 lb. ea.
#557A - 5/8" cable fastener with lay-in shank. Wt. .52 lb. ea.



#557X - 1/2" circuit cable fastener with lay-in shank. Wt. .52 lb. ea.
#557B - 5/8" circuit cable fastener with lay-in shank. Wt. .52 lb. ea.

Note: Above fasteners are furnished with 1/16" lead covering on the exposed portion of the fastener only. The anchor part or the portion imbedded in the chimney is furnished plain.

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Lead Covered Cable and Point Attachments Two Screw Fasteners



#558 - Fastener for 5/8" lead covered points and 3/4" Monel and stainless steel points. Wt. 1.00 lb. ea.
#558A - Fastener for 3/4" lead covered points. Wt. 1.03 lb. ea.
#558C - lead covered cable and 5/8" Monel and stainless steel points. Wt. 1.00 lb. ea.
 Note: 1/2" lead anchors on above fasteners



#558Y - Fastener for 5/8" lead covered points and 3/4" Monel and stainless steel points. Wt. 1.40 lb. ea.
#558AY - Fastener for 3/4" lead covered points. Wt. 1.38 lb. ea.
#558CY - Fastener for lead covered cable and 5/8" Monel and stainless steel points. Wt. 1.40 lb. ea.
 Note: Concrete insert anchors on above fasteners.



#559 - Fastener for 5/8" lead covered points and 3/4" Monel and stainless steel points. Wt. .94 lb. ea.
#559A - Fastener for 3/4" lead covered points. Wt. .94 lb. ea.
#559C - Fastener for lead covered cable and 5/8" Monel and stainless steel anchors. Wt. .94 lb. ea.
 Note: Expansion anchors on above fasteners.



#560 - Fastener for 5/8" lead covered points and 3/4" Monel and stainless steel points. Wt. 1.92 lb. ea.
#560A - Fastener for 3/4" lead covered points. Wt. 1.90 lb. ea.
#560C - Fastener for lead covered cable and 5/8" Monel and stainless steel points. Wt. 2.10 lb. ea.
 Note: Lay-in shanks on above fasteners.



#560B - Fastener for lead covered circuit cable with lay-in shank. Wt. .92 lb. ea.

Note: Above fasteners are furnished with 1/16" lead covering on the exposed portion of the fastener only.

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#551 - Bronze Two Screw Cable Fastener with 3/8" lead anchor for standard cables through 2/0. Wt. .?? lb. ea.

The following fasteners include 1/2" lead anchors.

#551A - Cable Fastener. Wt. .?? lb. ea.

#551B - 5/8" Point Fastener. Wt. .?? lb. ea.

#551C - 3/4" Point and Guard Fastener. Wt. .?? lb. ea.

#551D - 7/8" Guard Fastener. Wt. .?? lb. ea.



#552 - Bronze Two Screw Cable Fastener with 3/8" expansion anchor for standard cables through 2/0. Wt. .?? lb. ea.

The following fasteners include 1/2" expansion anchors.

#552A - Cable Fastener. Wt. .?? lb. ea.

#552B - 5/8" Point Fastener. Wt. .?? lb. ea.

#552C - 3/4" Point and Guard Fastener. Wt. .?? lb. ea.

#552D - 7/8" Guard Fastener. Wt. .?? lb. ea.

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