

INFORMATION SHEET

KUP-L-Tap, Insul-Eater Single Use Insulation Piercing Connectors

1) Specifications:

Conductors - Class B or C Aluminum and or Copper wires
Temperature rating - 90°C

Item ID	Run	Tap	Torque (in-lbs)	Tools (Socket & Box wrenches)	Voltage
IPC-1/0-2	1/0 - 8 AWG	#2 - #8 AWG	192	1/2"	300 (480 grounded Y system)
IPC-4/0-6	4/0 - #4 AWG	#6 - #14 AWG	156	1/2"	600
IPC-4/0-2/0 * +	4/0 - #2 AWG	2/0 - #6 AWG	300	1/2"	600
IPC-250-4/0 * #	250 kcmil-#1 AWG	4/0 - #6 AWG	360	5/8"	600
IPC-350-4/0	350 kcmil-4/0	4/0 - #10 AWG	300	5/8"	300 (480 grounded Y system)
IPC-350-350	350 kcmil-4/0	350 kcmil-4/0	300	5/8"	300 (480 grounded Y system)
IPC-500-12	500-250 kcmil	#10-#12 AWG	300	5/8"	300 (480 grounded Y system)
IPC-500-250	500-250 kcmil	250 - #4 AWG	720	5/8" & 11/16"	600
IPC-500-500 *	500-300 kcmil	500-250 kcmil	900	7/8"	600
IPC-750-500 *	750-500kcmil	500-350kcmil	900	7/8"	600

* Can be used on bare wire or bare & insulated wire combinations

* - When used on bare conductor, break out the tabs and extend wire 1.5 - 2" beyond the connector body.

+ Tap side is limited to .528" OD including the insulation.

Max OD on the main is .730" including insulation

-IPC-250-4/0 & IPC-4/0-2/0- To insure the top and bottom are aligned -There are lines on the side of the connector to help.

2) Installation Instructions For Use as a Run and Tap:

- Remove the tab blocking the **Main** conductor groove with screwdriver or **pliers**.
- Tap must be broken cleanly to the bottom of the channel.
- Cut insulated cable end **squarely** and apply a crisscrossed layer of UL listed electrical **tape over the exposed end of the wire**.
Tape the exposed wire end with Two pieces of **tape** measuring approximately three inches long.
- Separate** the connector halves by loosening the bolt.
- Slide the connector over the run conductor.
- Insert the **tap** conductor until it **butts** up against the **tab**.
BE SURE THE TAP CONDUCTOR IS ALL THE WAY THROUGH THE CONNECTOR.
- Center both conductors over the piercing teeth, and finger tighten the bolt.
- (Refer to the diagram below for correct placement of conductors)
- Holding the connector firmly in your hand, tighten the bolt to the **torque** in the above table.



[Click For YouTube Video](#)

3) Additional Information

- Connector can be used on **BUILDING CODE (Stranded CLASS B or C)** wire either copper and/or aluminum conductors
- The Insul-Eater is **fully** insulated without an external cover or tape
- The Insul-Eater connector should not be installed when **tap conductor is under load**

