

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 | Тар | 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

-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:
 - a) Remove the tab blocking the **Main** conductor groove with screwdriver or **pliers**.
 - Tap must be broken cleanly to the bottom of the channel.
 - b) Cut insulated cable end <u>squarely</u> and apply a crisscrossed layer of UL listed electrical <u>tape over the exposed end of the wire</u>.

 Tape the exposed wire end with Two pieces of <u>tape</u> measuring approximately three inches long.
 - c) **Separate** the connector halves by loosening the bolt.
 - d) Slide the connector over the run conductor.
 - e) Insert the tap conductor until it butts up against the tab.

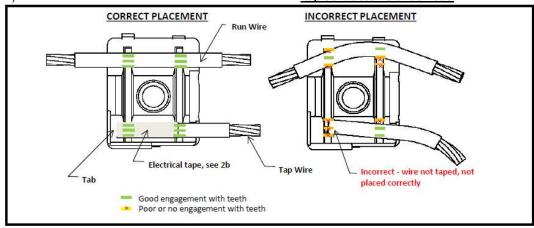
BE SURE THE TAP CONDUCTOR IS ALL THE WAY THROUGH THE CONNECTOR.

- f) Center both conductors over the piercing teeth, and finger tighten the bolt.
- (Refer to the diagram below for correct placement of conductors)
- g) Holding the connector firmly in your hand, tighten the bolt to the torque in the above table.

3) Additional Information

a) Connector can be used on BUILDING CODE (Stranded CLASS B or C) wire either copper and/or aluminum conductors

- b) The Insul-Eater is **fully** insulated without an external cover or tape
- c) The Insul-Eater connector should not be installed when tap conductor is under load



Form 73 Revised 6-15-2016

Click For YouTube Video

^{* -} 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" inculding insulation