



QA Technology Company, Inc.

Applications Note Instructions for Using Wire Jacks and Wire Jack Tools

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Overview



The WJ2830 Wire Jack shown crimped to wire. This assembly is easily plugged into sockets and can be unplugged and reused.

An air-actuated crimper (CR2830) is available for permanently attaching customer-supplied wire to Wire Jacks. The crimper is a precision tool that requires no maintenance other than occasional adjustment of crimp depth. Request drawing C-CR2830 for details.

Crimper Operating Procedure:

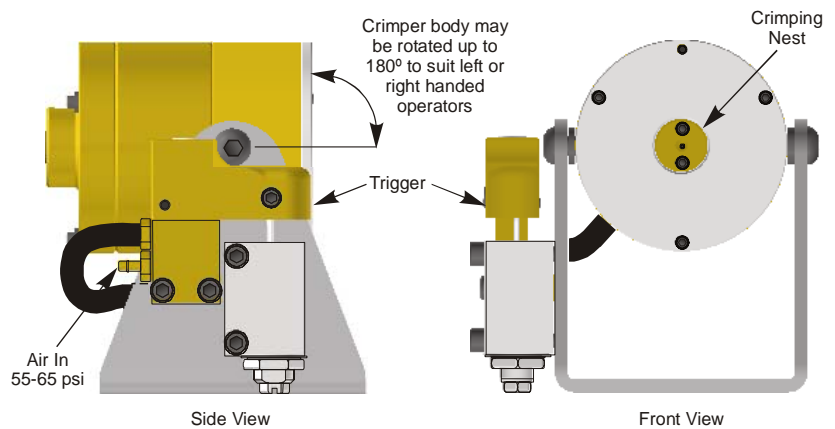
1. Connect the crimper to 60 \pm 5 psi (4.2 \pm 0.4 kg/cm²) air.
2. Strip the 28 or 30 AWG solid conductor, Kynar insulated wire to .120 \pm .015 inches (3.05 \pm .38 mm). QA offers WS28 and WS30 wire strippers preset to this length.
3. Insert the wire fully into the Wire Jack, making certain the Kynar insulation bottoms inside.
4. Insert the wire and Wire Jack assembly fully into the crimping nest.
5. Press and release the trigger.

Wire Jack Installation Instructions:

1. When using the JT2830 tool, place the Wire Jack wire assembly into the slotted channel and seat the Wire Jack insulator into the end of the nose of the tool.
2. Insert the Wire Jack and wire assembly into the back of the Socket or Termination Pin until the Wire Jack seats against the receptacle. A positive "click" will be felt when the assembly is complete.
3. This can also be done with tweezers by gripping the wire just above the insulator and following step #2.

Wire Jacks are used to connect 28 or 30 AWG solid conductor, Kynar insulated wire to 039-16, X39-25, X50-25 and X50-40 series sockets. The same Wire Jack (WJ2830) is used for both wire gages. Wire Jacks are available with or without pre-attached wire.

CR2830 Air-Actuated Crimper

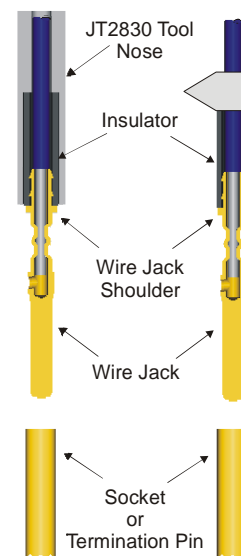


Wire Jack Installation

JT2830 Tool



Nose Detail



Alternate Installation Method

28 or 30 AWG Kynar Insulated Wire Wrap Wire Strip End to 0.120 \pm 0.015 (3.05 \pm 0.38) Grasp with Tweezers as shown

Push Until Positive "Click" is Felt

Wire Jacks are reusable and may be removed by pulling the wire straight back. The Wire Jack will remain attached to the wire.