Subject: Re: Banana plugs for 4 way binding posts
Posted by FloydV on Sun, 11 Mar 2012 18:48:36 GMT
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Wayne Parham wrote on Sat, 10 March 2012 16:25
The problem is one of elasticity verses malleability. Clamping pressure requires elasticity. If the material deforms, then it sort of "bleeds off" clamping pressure. So you're up against that. Copper isn't elastic at all - It's way down there with nickel and aluminum.

I like using bananna plugs or spade lugs. Bananna plugs have springs made of a material that is elastic plated with an electrically conductive metal that doesn't oxidize. That allows clamping pressure from the elastic base material. If a screw connector is desired, spade lugs will provide the same sort of thing - an elastic base metal plated with an electrically conductive surface metal. Tightening down on the spade lug provides clamping pressure without deformation.

If the banana plug uses pressure against the copper, isn't that the same situation? That's why I was wanting to solder the wire to the banana plug.