Subject: 14ga solid copper wire? (for Wayne)
Posted by mhammill on Thu, 18 Apr 2002 20:17:09 GMT
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In an previous post you said not to use thin gauge magnet wire due to the resistance but to use 18 or 16 ga stranded copper and then added not to use heavier gauge solid strand copper either. This was in a post on the bottlehead forum to Garland.Just curious why not the 14ga solid copper?ThanksMike H.

Subject: Speaker cable and wire properties, revisited
Posted by Wayne Parham on Fri, 19 Apr 2002 00:22:32 GMT
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Actually, I said the larger solid core wire would be fine. Please revisit the post called "Speaker cable and wire properties". Since audio frequencies are low, you will not have the skin effect to be concerned with, and that's the main reason to use stranded wires. The main thing in this application is resistance, so large solid wire is acceptable. However, it is much easier to use stranded wire because it is more flexible, so that and its superiority at higher frequencies makes large stranded pure-copper cable the best option.

Subject: you can only tighten binding posts so much
Posted by Sam P. on Fri, 19 Apr 2002 10:46:43 GMT
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but with pin connectors, and solid wire, any movement of the speaker cable will tend to allow the connection to loosen. Sure, you can get pliers and crank them tight enough. I feel a large gauge stranded cable, with many fine conductors, allows the wire to "crush" nicely when the binding post pressure is moderate. As Wayne said, stranded cable is more flexible, so movement won't strain the speaker wire/binding post connection. I think the mechanical concern of maintaining a tight and worry free connection precludes the use of large solid wire. Sam