



Eric M. Jones
113 Brentwood Drive
Southbridge MA 01550-2705
508-764-2072
emjones@charter.net

FOR EXPERIMENTAL AIRCRAFT USE ONLY

www.PerihelionDesign.com

Super-CCA FatWire™—The Ultimate Copper-Clad-Aluminum Cable



Copper is the best *bulk* conductor after silver, but if you want the best conductor *per weight*, aluminum is more than twice as good as anything else! It's almost magic!

However, using aluminum wire in aircraft became unpopular years ago mostly due to half-vast ideas, misapplications and some regrettable misunderstandings about how and where it should be used. How unfortunate...!

But your electric company has no whacky "Aluminum Superstition". Both aluminum and copper are great materials if you know how to use them.

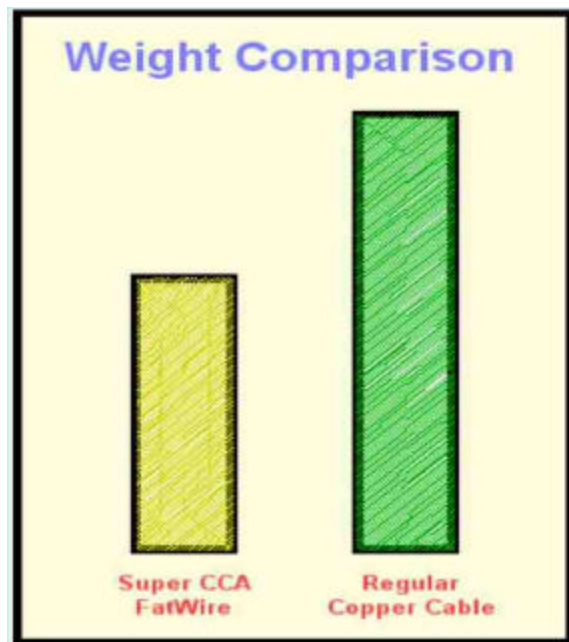
However, we get the best of both metals if we bury each aluminum strand in a copper cladding (called CCA). This copper cladding is not "plated-on" but cold-fused to the aluminum rod before the first draw in the wire-making process.

Advantages? You can save a heck of a lot of weight, especially if your battery and starter are a horseshoe's pitch apart.

Application? It works just like copper, has the low corrosivity of copper. In fact, it crimps the same and solders even easier than copper.

It's covered with a special low-weight, high-strength, cut resistant, 105 °C, fuel proof, flame retardant insulation suitable for aircraft, just as you would expect.

It's just like we're in the future! Isn't it?



The Super-4-CCA is made with hard-drawn Copper-Clad Aluminum to match the conductivity of an AWG 4 copper cable. The Super-4-CCA is slightly larger but weighs 40%-50% less than copper.

\$3.25/foot with a 15' minimum. We can furnish 1/4" hole ring-tongue lugs too—\$1.99 each. Samples are available, discounts too, please inquire.

Shipping is by UPS, USPS, and FedEx at cost. Payment by Paypal, Visa, MasterCard, cash or cheque.

09/22/05