

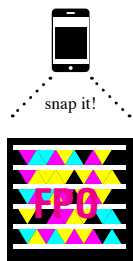


Confidence in Aluminum— Yesterday, Today, Tomorrow.

For over 70 years, Alcan Cable aluminum alloy products
have delivered reliable power to your home – safely!



Transmission - Distribution - Feeder Cables



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www.cable.alcan.com/reliableinside.

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Ever Wonder Why There's No Copper in the Air?

Since the early 1900s, aluminum and aluminum alloy conductor materials have been used by electrical utility companies for the transmission of electrical power within power grids across the country. In fact, over the years, aluminum has largely displaced copper conductors for these functions and has become the standard material for use in power transmission and distribution.

If you've ever wondered why there's no copper in the air, it's because aluminum is the superior choice in every way. For starters, aluminum features twice the ampacity per pound as copper. In addition, it's lighter, more flexible, and more corrosion-resistant. And it's much more cost-effective. As an example, if you're an electron going all the way from say, Denver to Albuquerque, on the grid – you're going to use the aluminum power highway.

Thanks to a specially engineered aluminum alloy, Alcan Cable's STABILOY® feeder and service entrance cables now make it possible for commercial and residential users to enjoy the same reliability and economic advantages as power utilities.

Aluminum: Twice the Ampacity of Copper

Pound for pound, aluminum has twice the ampacity of copper. This example proves it:

Consider these conductors: 500 kcmil aluminum alloy and 350 kcmil copper.

The 350 kcmil copper and 500 kcmil STABILOY have the same allowable ampacity (in fact, the 350 kcmil copper and the 500 kcmil STABILOY both carry 310A at 75°C per the NEC).

The 350 kcmil copper weighs nearly twice as much as the 500 kcmil STABILOY. A 350 kcmil copper conductor weighs 1715 kg/km, whereas a 500 kcmil STABILOY conductor weighs 810 kg/km.

Now that's the power of STABILOY aluminum alloy conductors!

*500 kcmil
Aluminum Alloy*

350 kcmil Copper

