

Re: Use of Extension Cord

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2005-11/msg01187.html>

- *From:* John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 29 Nov 2005 17:18:05 -0600
-

On Tue, 29 Nov 2005 20:48:30 -0000, "Peter Hucker" <no@xxxxxxx>
wrote:

>On Tue, 29 Nov 2005 02:50:21 -0000, John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx> wrote:
>

>> On Mon, 28 Nov 2005 19:26:28 -0000, "Peter Hucker" <no@xxxxxxx>
>> wrote:

>>> On Mon, 28 Nov 2005 13:36:14 -0000, John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx> wrote:
>>>>

>>>> On Sun, 27 Nov 2005 23:49:28 -0000, "Peter Hucker" <no@xxxxxxx>
>>>> wrote:

>>>>> On Sun, 27 Nov 2005 19:17:28 -0000, John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx> wrote:
>>>>>>

>>>>>> On Sun, 27 Nov 2005 18:29:40 -0000, "Peter Hucker" <no@xxxxxxx>
>>>>>> wrote:

>>>>>>>
>>>>>>>

>>>>>>> ---
>>>>>>> Yes, dumbass, because I liked it.

>>>>>>> Even though it was muted? Either you have exceptional hearing, or your mute needs repairing.

>>>>>>>>
>>>>>>>> ---

>>>>>>>> I _do_ have exceptional hearing, and muting comes _after_ the fact.
>>>>>>>> If I don't don't like what I hear, I mute it. If I do, I don't.

>>>>>>>>>
>>>>>>>>> So far you've been lucky.

>>>>>>>>>>
>>>>>>>>>> What, you're about to mute usenet?

>>>>>>>>>>>
>>>>>>>>>>> ---

>>>>>>>>>>> No, I haven't plonked you yet.
>>>>>>>>>>>>

>>>>>>>>>>>> >Glutton for punishment?

Sure... Yours.

Re: Use of Extension Cord

Ain't me gettin' beat up...

>> Whether you know it or not, your "passing comments" are little
>> insults designed to elicit no response, but to be continuously
>> absorbed by the insultee for the purpose of allowing you to have
>> your way with them as time goes by.

>

>"Whether I know it or not"??? If I don't know it then I can't be doing it can I\

Sure you can, you just do it subconsciously. Now that I've alerted
you to it, though, you ought to be able to see it happening. Or
not, you don't seem to be real gifted in the "insight" department.

>> ---

>> Your limitations are not a god's.

>

>There is no such thing as a god. What little respect I had for you has now gone.

Respect from a twat like you I don't need.

>> What's the matter? you can't understand vague?

>

>It wasn't "vague", it was American.

I wrote it, I made it vague, it was vague.

>You mean the freedom to get shot?

Yeah, and to shoot.

That's why we're Americanos and you're not.

>> If it takes a given amount of energy to raise the temperature of one
>> pound of water one degree Fahrenheit, and it takes the same amount
>> of energy to lower the temperature of one pound of water one degree
>> Fahrenheit, but it takes a little extra to run the cooling
>> equipment, then the heater wins the efficiency race for delta T.

>

>But it doesn't work like that. To heat the water, you must put that amount of heat into the water, from the

Re: Use of Extension Cord

electricity supply. 1 unit of energy from the supply gives the water one unit of heat. To cool the water, you are not having to create any heat, you are only MOVING it. The only power consumed is the power to run the cooling equipment, ending up as extra heat outside the water.

If takes the same amount of energy to add a unit of heat to the water as it takes it takes to take a unit of heat out of the water, plus it takes extra energy to run the equipment which is taking the heat out of the water.

>> ---
>> LOL, poor uneducated baby...
>>
>> "Fridge" is a contraction and a bastardization of "Frigidaire", The
>> brand name of an early-on American refrigerator. The 'd' was added
>> in order to make the contraction sound the same as it would have
>> sounded before "idaire" was dropped when "idaire was dropped.
>>
>> Some of us even still say "icebox"
>
>LOL, poor overeducated person who should be on quizshows :-P

Neither poor nor overeducated.

>>> I see Americans complaining about gas costs all the time.
>>
>> ---
>> And we shouldn't?
>
>You have little to complain about.

>From your point of view, perhaps, but being the less-than-industrious, lazy, badly educated person you profess to be makes what I've worked hard to accomplish unimportant to you.

>>> If you didn't want to spend loads of money, you wouldn't make the effort to earn it.
>>
>> ---
>> Wrong again.
>>
>> We like to make loads of money in case we have to spend it, for
>> emergencies,
>
>I suppose..... there's no NHS over there. But then you can have medical insurance.

Re: Use of Extension Cord

We have Medicare and Medicaid, and we have Social Security. We can also buy medical insurance if we're so inclined. I do. Can't you?

>> but it's also nice to have enough coming in so that we
>> don't have to worry about running out of groceries and can go to a
>> movie every once in a while and still have a buffer behind us.
>>
>> And you?
>
>That's what a credit card is for. Oops car is a right off, have to buy another immediately, put it on the card.
Gets paid off over the next few months.

Do you mean the car is "write-off"?

The next few months??? Try "the next few lifetimes". If you have to do debt financing behind a credit card and pay it back over an extended period of time then you're in such deep shit you'll probably never be able to stop treading water just to keep from drowning.

>>>> Learn to read, moron, no one was talking about your grid.
>>>
>>> I did. It was to explain that the electricity board most likely have worked out the economics of the house supply wire thickness, just as they have with the national grid.
>>
>> ---
>> So, there you sit bitching about what a bunch of assholes your
>> government comprises and, in the same breath, you defend their
>> arbitrary decision to limit the energy input to your hovel.
>
>The government are ARSEholes. (Buttock holes not donkey holes)
>
>I don't remember telling you I think the electricity board are arseholes.

Are they not part of the government?

>> Sounds to me like they've got you locked down and you're loving it.
>
>Locked down how?

""They" will figure it all out for us and, in their infinite wisdom, relieve us of the responsibility of thinking for ourselves."

Re: Use of Extension Cord

Re: Use of Extension Cord

Governments don't like their sheep thinking for themselves, and will do whatever they can to lull you into a state of complacency.

Look at yourself and tell me I'm wrong. You know nothing about the wiring in your home and are too damned lazy (or scared) to find out what diameter wire is coming into your house, yet you're willing to sit there and tell me that because some government agency slapped their imprimatur on that holy 80 amp number your service is more efficient than mine.

Locked down _tight_, you are.

>> Same old shit. Let the crown

>

>You mean royalty? They're just figureheads. They eat a bit of tax and I'd love to have them all assassinated, but they aren't in power.

Assassinated??? Are you serious?

No, I meant the Crown. It's the attitude of subservience to authority that's been instilled in you all for centuries that makes you not _want_ to challenge authority. Kind of like the Japanese.

>> tell you what to do so you don't have

>> to work it out for yourselves and you'll die happy, having given it

>> up to what you were told was "A higher authority."

>>

>> LOL, all the "higher authority" wants from you is taxes.

>

>Only two things are certain in life, death and taxes!

Taxes don't have to be...

>>>> What I said was that since your domestic service is limited to 80
>>>> amps and mine to 200, yours will have smaller diameter wire in it
>>>> than mine.

>>>

>>> It might, it might not. I have never measured it.

>>

>> ---

>> So measure it.

>>

>> If you want to play this game, it's all about facts which can be
>> verified by anyone who wants to play.

>>

Re: Use of Extension Cord

>> It's not about opinions from pussies like you who want to fuck
>> around with shit that you know nothing about.

>

>The diameter of the cable is not of my concern, and would involve me bothering to go outside and look. We were talking about how much current we need in the house.

No, we were talking about efficiency. In other words, If my service is wired with #0 AWG and yours is wired with #4, for the same load at the receptacle your system will waste more energy than mine

>>> For all I know there may be a 200 amp wire in there,
>>> but they don't allow us to use more than 80
>>> as that's all they have allowed for in the transformers.

>>

>> ---

>> So measure it, pussy, and stop bitching about what they won't allow
>> you to do.

>

>I'm not bitching about it – I told you 80 amps is plentiful.

Which has nothing to do with efficiency, which is what we're discussing. Point is, with wiring on your end designed to support 80A max into your house, without burning it down, and wiring on my end designed to support 200A with the same goal in mind, my wiring is going to have less resistance than yours and will, therefore, waste less electricity than yours.

Your reticence to divulge the diameter of your service wiring is not, I suggest, due to your laziness, it's because you know that if you post what it is you won't be able to sleaze out of admitting you were wrong and you'll have to accept the ass-kicking you've been receiving so far.

>>>> Such being the case, the resistance in your service will be higher
>>>> than mine and, for the same load on both systems, yours will heat up
>>>> more, throwing that energy away, making it less efficient than mine.

>>>>

>>>> Probably not a significant amount.

>>>>

>>>> ---

>>>> Let's see...

>>>>

>>>> A million Brits each wasting a watt is a megawatt. Not a lot, but
>>>> not insignificant.

>>>>

>>>> That's the kind of silly stats the treehuggers put out on telly. A million Brits are consuming how much altogether? The only true stat is the percentage.

Re: Use of Extension Cord

Re: Use of Extension Cord

Not at all. Only by knowing the absolute value of the waste can its percentage be calculated, no matter how much disdain you may have for the tree-huggers.

In their defense, they're trying to conserve resources. If you're not, then you're part of the problem.

>>>>> No, we're discussing efficiency, not how much power I use.
>>>>>
>>>>> I was trying to establish how much power you used to run your AC.
>>>>>
>>>>> ---
>>>>> Assume a running power factor of .9 and use the data I've already
>>>>> given you to work it out.
>>>>>
>>>>> I don't know what your weather is like, how cool you like you house etc.
>>>>>
>>>>> ---
>>>>> That shouldn't matter since you invoked SEER.
>>>>>
>>>>> You asked me to work out how much power you use to run your AC. Without knowking how much cooler you like your house than the outside air, how big the house is, and how good your insulation is, I cannot work it out.

No, I didn't ask you to do that. You asked me to give you that information and I replied that you already had enough information, along with the power factor data I also supplied, to figure it out for yourself, and you can.

Well, that is, you should be able to.

Just figure out what it costs to run it, full-bore, for an hour without it shutting off.

John Fields
Professional Circuit Designer

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- *Follow-Ups:*
 - ◆ **Re: Use of Extension Cord**
 - ◇ *From: Peter Hucker*

- **References:**

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- Prev by Date: **Re: Can twisted wire replace shielded wire?**
- Next by Date: **Re: Use of Extension Cord**
- Previous by thread: **Re: Use of Extension Cord**
- Next by thread: **Re: Use of Extension Cord**
- Index(es):
 - ◆ **Date**
 - ◆ **Thread**