

## Re: Can twisted wire replace shielded wire?

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.basics/2005-11/msg01166.html>

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  - *Date:* Tue, 29 Nov 2005 07:31:11 -0000
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On 2005-11-27, Fred Abse <[excretatauris@xxxxxxxxxxxxxxxxxxxxx](mailto:excretatauris@xxxxxxxxxxxxxxxxxxxxx)> wrote:

> On Sun, 27 Nov 2005 17:14:25 -0330, Gary wrote:

>

>> David wrote:

>>

>> <snip>

>>

>>> Characteristic impedance and DC resistance are the same if the line is

>>> infinitely long and unterminated.

>>

>>

>> Bullshit.

>

> If you mean by "DC resistance", the impedance you would see at the input

> of an infinitely long line, it's not bullshit, it's perfectly true, even

> if the line is made of zero-resistance conductors. You'll just see the

> line's characteristic impedance.

what about lines made of copper and plastic?

ISTM that a few hundred kilometers of RG59 is going to measure more than 75 ohms even with far end is shorted.

There's no way an infinite length will have a lower resistance.

Bye.

Jasen

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