

Re: Signals of a 5V encoder

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2006-01/msg01356.html>

- *From:* Jasen Betts <jasen@xxxxxxxxxxxx>
 - *Date:* Fri, 27 Jan 2006 20:14:26 -0000
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On 2006-01-27, Haritztolete <helola@xxxxxxxxxxxxxxxxxxxx> wrote:

> Hi, I am going to use a 5V encoder of 600 pulses. The signal it gives
> me is a pulse train of 5V and it goes to a driver that is 25 metres far
> away from the encoder. The cable of the encoder goes close to some
> power cables and all the cables are shielded. I don't have any
> experience in such long distances and I would like to know if I could
> have problems with electric noise, and how to avoid it. Thanks a lot.

use twisted pair cable (eg one pair from a cat-5 cable) and put a
optocoupler and suitable resistor on the far end.

Bye.
Jasen

• *References:*

- ◆ *Signals of a 5V encoder*
 - ◇ *From:* Haritztolete
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