

AC Coupled Diode Category 3 Cable Tests

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Below are the results of discovery using the AC coupled Diode method that I described in May 2000 and July 2000 using Cat 3 cable.

The results are for 98 meters, and 304 meters of cable.

In both cases the discovery worked properly for the 10 times that I tried it.

In addition, there were 15 inch clip leads on each end to patch into the wire.

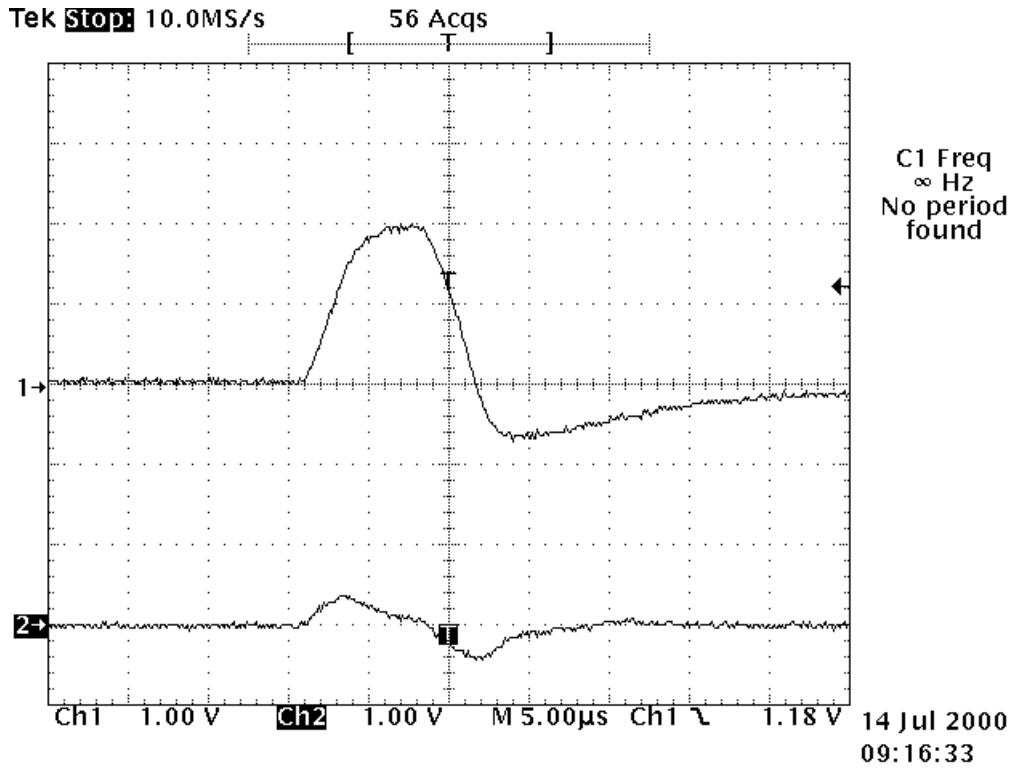
Summary:

I think this data shows that the diode method will work for Cat 3 cable, and that the results are very similar to that of Cat 5 cable.

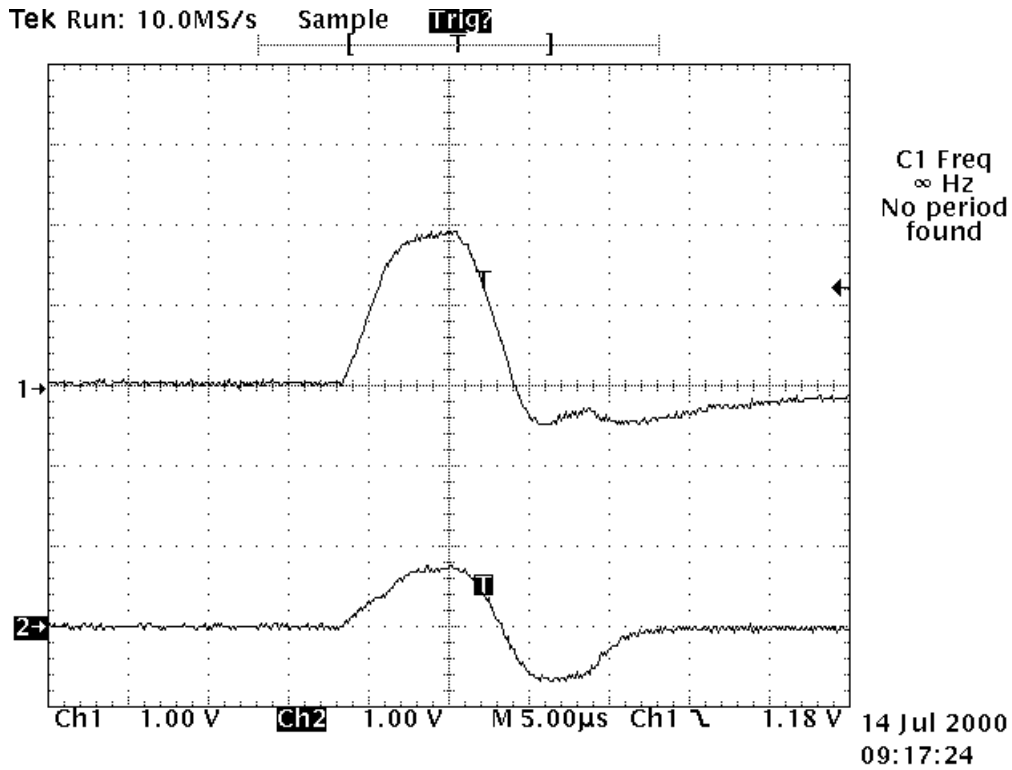
Future cable test plans:

Coax?
Cat 6?
Pots wire?
Zip cord?
Speaker wire?
Monster Cable?
Barbed wire?

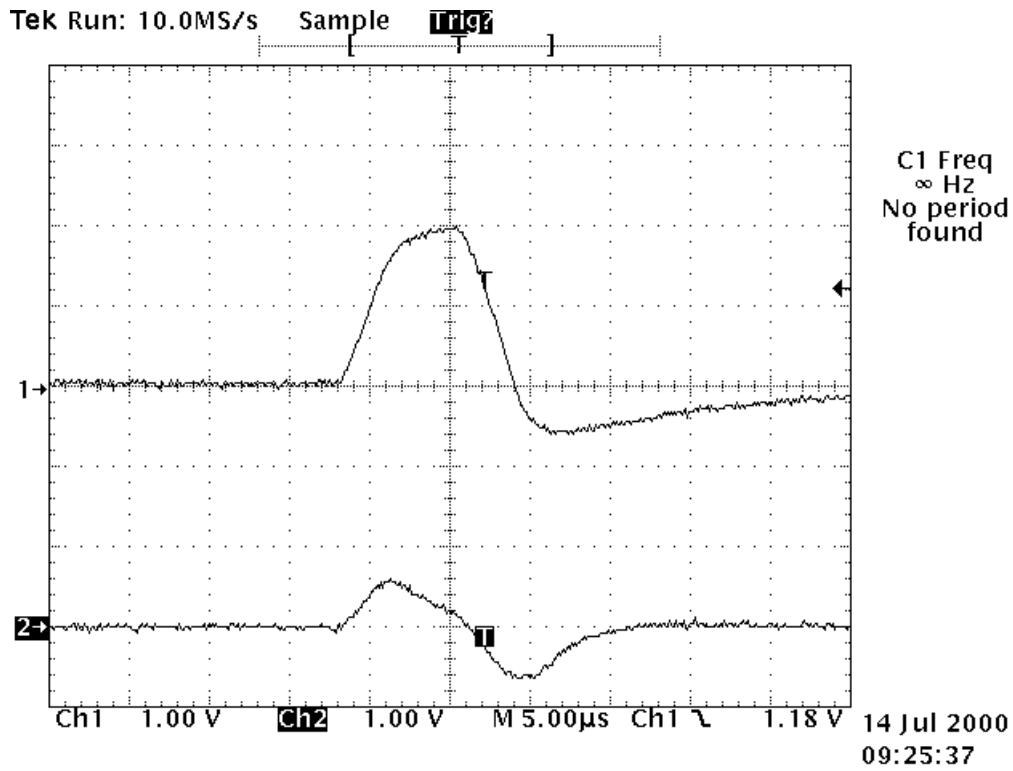
Any other cables that you want to test?



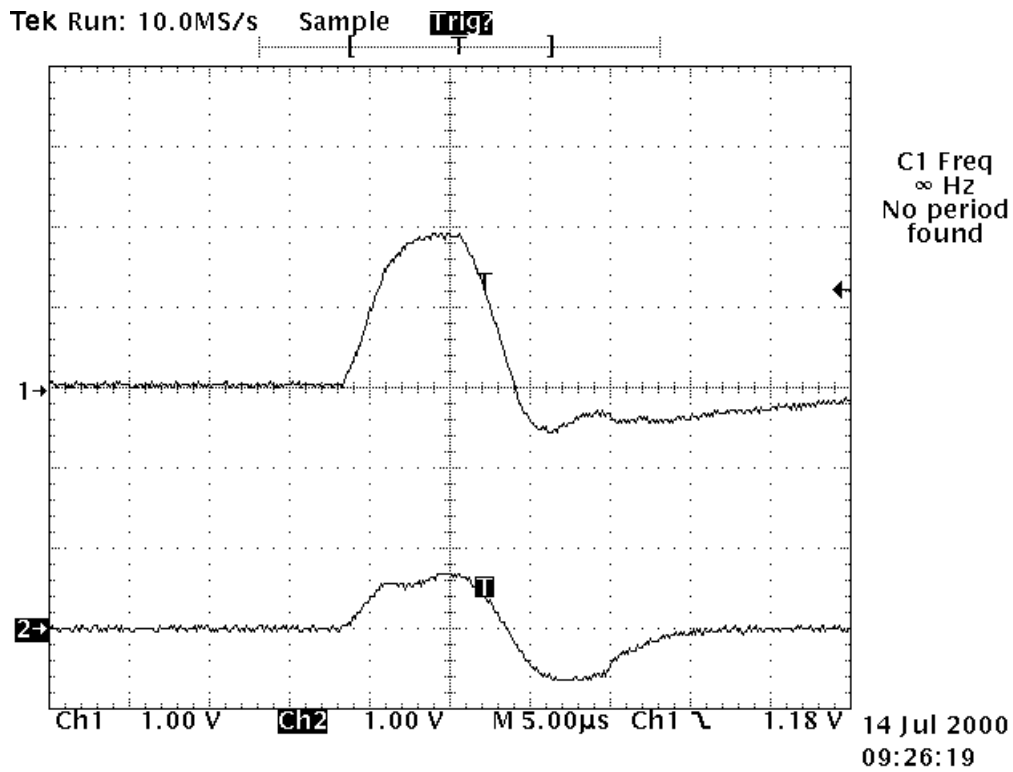
AC Coupled Diode Discovery, Non-conducting Direction
 CAT 3 Cable at 98 meters, plus two 15" clip leads at each end of the cable
 Top trace: drive signal, Bottom trace: receive signal



AC Coupled Diode Discovery, Conducting Direction
 CAT 3 Cable at 98 meters, plus two 15" clip leads at each end of the cable
 Top trace: drive signal, Bottom trace: receive signal



AC Coupled Diode Discovery, Non-conducting Direction
CAT 3 Cable, 304 meters, plus two 15" clip leads at each end of the cable
Top trace: drive signal, Bottom trace: receive signal



AC Coupled Diode Discovery, Conducting Direction
CAT 3 Cable, 304 meters, plus two 15" clip leads at each end of the cable
Top trace: drive signal, Bottom trace: receive signal