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Subject: Re: HV cable problem

Posted by [Joerg Hehner](#) on Fri, 12 Nov 2004 14:04:14 GMT

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Hello everybody,

we also used this HTC 50-1-1 HV cable to connect the ALICE TPC  
Anode Plane to HV.

In all Cases we have no Problems with this Cable, all Anode Plane are Working stable.

I think the problem is how to handle and prepare this Cable before connect it to the Anode.

At first you peel off this red Skin, than remove the AL-Textil Band and the Cu-Mesh.

The next Step is to remove this black highly resistive plastic Tube around the Insulation from the electrical conductor.

It must be done very carefully (without knife), because when you get a Knife, it is possible to cut in this last Insulator.

In this Case the HV can break down and you can see some fluctuations in the current.

Another Point it that this black highly resistive Tube must be removed in minimum 1 cm, from the soldered connection.

With best Regards

Joerg

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