

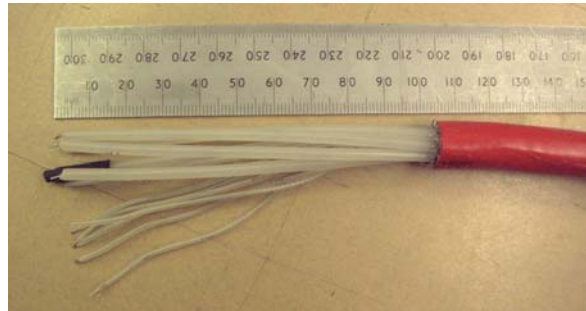
### How to Use HCAL HV Jumper Cable.

These cables are intended to provide a means to temporary power-up HCAL RBXes installed on the detector with HV pigtails.

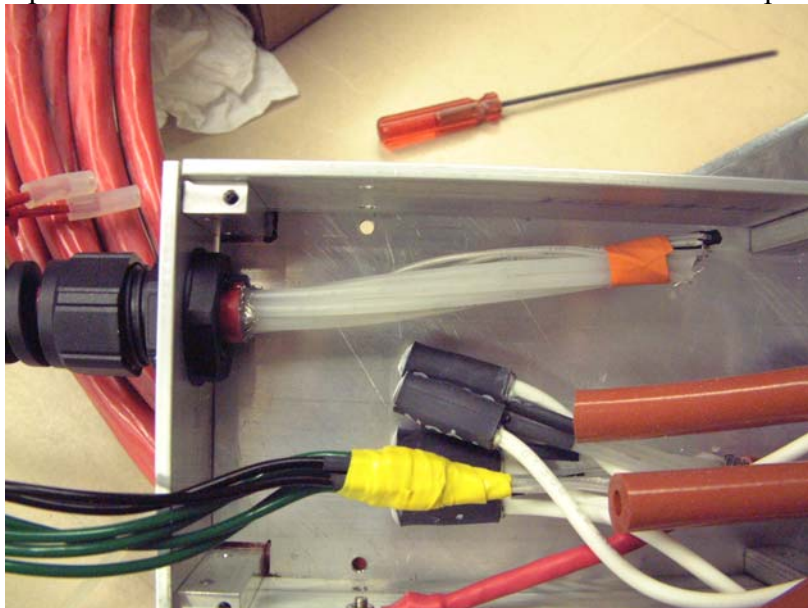
1. Strip 4" of the HV cable you are connecting off its jacket and shield.



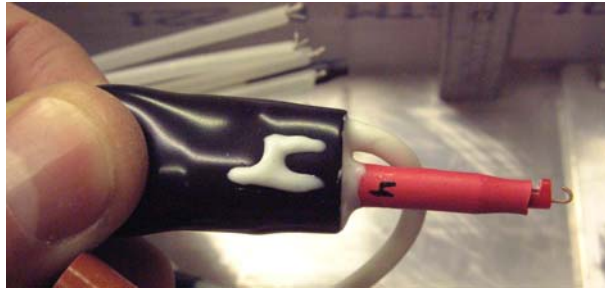
2. Identify HV wire #5, which is not going to be used and strip off about 1/8" (3 mm) of insulation from other wires.



3. Insert prepared end of the cable in the cable strain relief of the Jumper Cable Box.



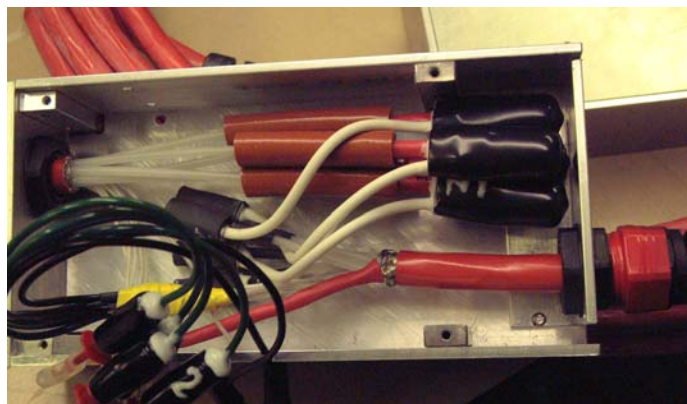
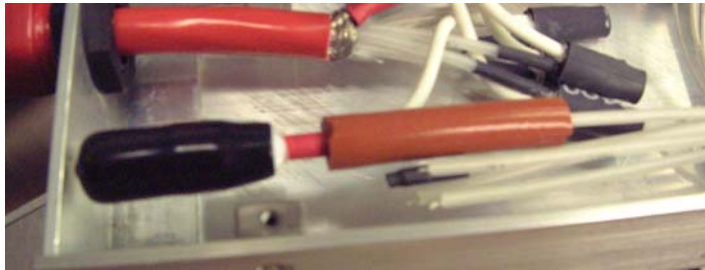
4. HV clips can be actuated by squeezing the ends of the insulating caps.



5. Slide the silicone rubber sleeve on a HV wire and connect corresponding HV clip.



6. Pull the sleeve on the clip until it seals, but don't use too much force. Connect 3 other HV wires in a similar manner.



7. Connect Bias Voltage (red) and Return Current (black) clips the low voltage wires in a similar way. Note that the thosewires are bundled in two strands (#1, 2, 3, and 4) and (#5, 6, and 7). It's important to know this as the number inprints on the wires are very difficult to read and they are easily wiped away. BV clips are connected to wires #1, 2, 3, and 4, Return Current clips – to wires # 6 and 7.



8. Arrange the wires inside and close the box.



9. Before applying voltages to the cable make sure that its shield is grounded at the receiving end (HV Unit in the RBX)!