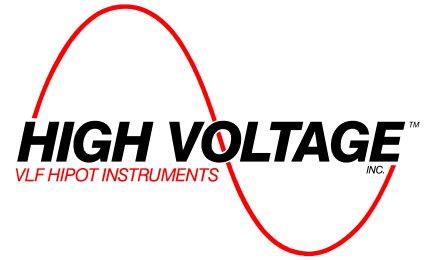


HIGH VOLTAGE OUTPUT CABLE

FOR THE ALT-120/60 & PFT-1003CM



For the two models shown above, High Voltage, Inc. does not provide a high voltage output cable. It is the customers' responsibility to provide the proper cable. This will change greatly depending on the application. Anything from a #18 AWG test lead to an aluminum pipe can be used, so long as they are insulated from ground. The output current of the ALT is a maximum of 100 mA and the PFT provides 30 mA of output current. Wire of small size is sufficient for this level of current. What should be used is more a factor of the proximity of the test set with the load and whether a direct line connection can be made or a flexible wire must be used. Generally, larger wire sizes will reduce the corona discharge.

Since these are AC output instruments, shielded output cable is not recommended. If shielded output cable were used, the capacitive leakage current in the output cable alone would consume much of the current rating of the test set. Also, it is difficult to find a shielded cable rated for 120 kVac, even if the leakage current were not an issue.

Whatever is used, unless it is a shielded output cable rated for the output voltage of the test set, it must be insulated from ground by a distance adequate for the voltage.

For further questions, please contact the Engineering Department of High Voltage, Inc.



PFT-1003CM

0 – 100 kVac @ 3 kVA, 30 mA



ALT-120/60

0 - 60 kVac @ 7 kVA, 100 mA
0 - 120 kVac @ 7 kVA, 60 mA