

Testing the Compliance West USA Manufactured Home Cableset: RED LEAD CONTINUITY TEST

Scope: When a Compliance West USA Manufactured Home Cableset is used in conjunction with a Compliance West USA HT-2800 DC Hipot Tester and a Compliance West USA HTT-1, the black leads are tested and verified as working correctly. If a black lead breaks, the continuity test portion of the Hipot Test cannot be passed, and the operator is alerted to a problem.

This is not the case with a red lead failure. The normal HTT-1 function test will not find a defective red lead. Please use this procedure to check red lead continuity. This test should be conducted each time the HTT-1 operational check is conducted on the HT-2800.

1. Conduct the HTT-1 Operational Verification Check as usual. This will check operation of the HT-2800, the RETURN lead, and the BLACK leads of the Manufactured Home Cableset.
2. Remove the Manufactured Home Cableset from the HT-2800 Hipot Tester and clip the two RED leads together. Please see the following photo for details.



3. Using a continuity meter, connect one lead of the meter to one of the parallel blades on the attachment plug cap (the plug that connects to the orange receptacle on the HT-2800). Connect the other meter lead to the other parallel blade on the attachment plug cap. Read the meter on the continuity meter. If the resistance is one ohm or less, the Manufactured Home Cableset is working correctly and can be used to test. If the resistance is greater than one ohm, the Manufactured Home Cableset has a defective RED lead and should not be used until the defective lead is replaced. See the following photo for continuity tester lead connection information.

