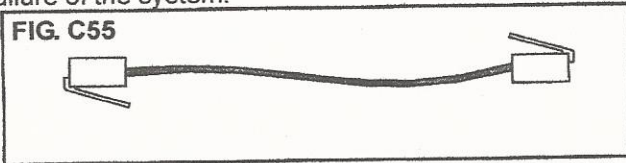


Communication Type Cable

A flat communication type extension cable must be routed from the unit to the Comfort Control Center. It must be 26 gauge, stranded copper wire, four (4) conductor (yellow, green, red and black). The cable must be terminated with a four (4) position (telephone) RJ-11 connector.

Note: Do Not use a pre-made telephone extension cable. The polarity of the connectors is reversed and will cause a failure of the system.

FIG. C55



The Cable assembly should be made in the following manner: Cut the modular cable to the desired length. When cutting, make sure ends are cut straight, not diagonally. Next, use an RJ11 connector crimping tool.

Use the stripper section of the tool's blade to remove the outer insulation from each end of the cable. Be careful not to remove or break the colored insulation on the inner conductors.

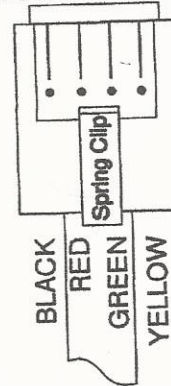
Note: Fully insert the cable into the stripper slot, holding cable in one hand and tool in the other hand. Squeeze down on tool and pull away. This will remove the correct amount of outer insulation for insertion into RJ-11 modular plug.

Now you are ready to insert the prepared cable into the RJ-11 modular plug. When inserting cable into plug, you **MUST** be sure that the black wire is on your left as you look at the top of the plug (with the spring clip facing you) and that the conductors are flush with the tip of the plug and touching the small teeth-like gold conductors. Insert the RJ-11 modular plug with the cable into the tool's cavity, squeeze down on the STOP and hold for a few seconds. This completes connections for one end of the cable. To prepare the other end of the cable, repeat this procedure.

Note: Be sure polarity is the same on each plug. Example: Black on left (viewing plug from top, spring clip side).

FIG. C56

TOP VIEW OF RJ-11 MODULAR PLUG



NOTE -- If you are replacing a damaged or corroded RJ-11 connector, be sure to maintain the same color orientation as on the plug that is being replaced. eg- If BLACK is on the left on the old plug, be sure to crimp the new RJ-11 connector with BLACK on its left. When removing the damaged connector, be sure to disconnect the opposite end from the Control Board to prevent blowing the 3 amp fuse on the board.