

Flat Wire Installation Instructions

SITE PREPARATION

1. Clean the surface where the Flat Wire is to be placed so that it is free of dirt, oil or grease.
2. Determine the best location for the Flat Wire terminal-blocks, preferably out of traffic areas next to the wall where the Flat Wire is to be run. NOTE: If there isn't room for a terminal block, you may solder the connection.
3. Measure the length of Flat Wire to be used. Be sure to add several inches at each end for safety. Cutting prior to the actual installation of the Flat Wire is NOT recommended.
4. Check that all power to the system is turned OFF.
5. Run the Flat Wire out to the point where it is to be connected. Cut the existing standard round speaker wire at this point and strip each end 3/4".
6. If you are using terminal blocks (see Fig. 1), insert the stripped Flat Wires into one end of the terminal block and tighten with a small flatblade screwdriver.

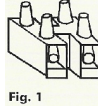


Fig. 1

FLAT WIRE PREPARATION FOR TERMINAL BLOCK CONNECTION

7a. To prepare the Flat Wire for termination with a terminal block, peel back and cut off the peel-off liner (material without any adhesive, either pink or solid white) (see Fig. 2). To release the copper conductors, break away the adhesive by gently running a screwdriver down both sides of both conductors (see Fig. 3). Peel tape away from conductors and trim even with peel-off liner (see Fig. 4). Using scissors, slit the conductors down the center about 1/2" then fit into the terminal block in the side opposite the standard round speaker wire and screw down (see Fig. 5). Make sure polarity markings are the same at each end.

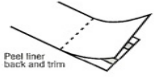


Fig. 2

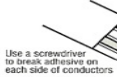


Fig. 3

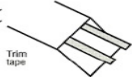


Fig. 4

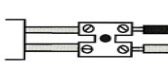


Fig. 5

FLAT WIRE PREPARATION FOR SPEAKER TERMINAL CONNECTION

7b. Using scissors, slit the conductors down the center about 1/2" then fit into the speaker terminal connection. Make sure polarity markings are the same at each end.

FLAT WIRE PREPARATION FOR SOLDER & ELECTRICAL TAPE CONNECTION

7c. If you are soldering the Flat Wire follow the steps in 7a. After the flat Wire is stripped, simply pre-tin the ends using a regular soldering iron and melt together with the systems existing round speaker wire. After cooling, use plastic electrical tape to insulate.

FLAT WIRE INSTALLATION

8. Attach Flat Wire to surface as follows: Peel back about 2" of the pink or solid white liner and begin to attach the tape to the surface. Pulling gently toward the area to be covered, press the tape into its final position while removing the peel-off liner. It is important to take care when positioning the Flat Wire because the adhesive is strong and can be difficult to remove from an unintended floor or wall area.
9. To make a turn with Flat Wire, simply fold back and then over itself (see Fig. 6). Press as smooth and flat as possible.
10. Continue to attach to the surface until you reach approximately 1/2 foot before the 2nd termination location. Cut the Flat Wire length and terminate using the previous instructions. Remove remaining 1/2 foot of peel-off liner and press the Flat Wire onto surface. Attach the terminal block with the screw.
11. Flat Wire can be painted or wallpapered.

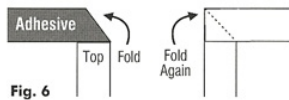


Fig. 6

WARNING: Flat Wire is to be used only to install low voltage security, speaker, or telephone systems.

NOT TO BE USED WITH HIGH VOLTAGE 120 VAC HOUSEHOLD CIRCUITS