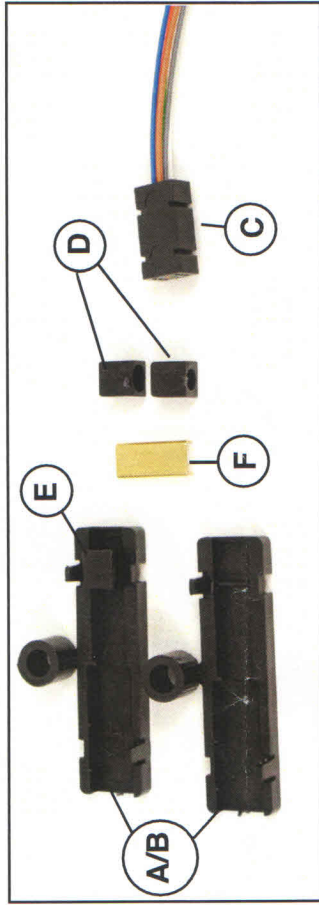


1. This procedure describes how to install a fan out kit on 250um optical fiber for indoor applications. These kits are rated for 0 to 65 degrees C.

2. **EACH FAN OUT KIT CONTAINS THE FOLLOWING ITEMS:**

- a. (1) Fan out kit housing bottom
- b. (1) Fan out kit housing top
- c. (1) color coded furcation assembly for 1 to 12 fibers
- d. (2) jacket holding clips for 2.4/3.0mm tubes
- e. (1) jacket holding clip for jacketed ribbon fiber
- f. (1) brass jacket crimp



3. **CABLE PREPARATION**

A fan out kit can be assembled anytime after the cable sheath has been removed and the buffer tubes have been cleaned. Installation factors such as available cable slack, location of the termination hardware and the question of buffer tube slack storage as opposed to cable slack can dictate when and where you choose to mount the cable end and assemble your fan out kit. The jacketing of the cable should be removed so that the stripped length of fiber is at least 6 inches longer than the fan out kit to be used.

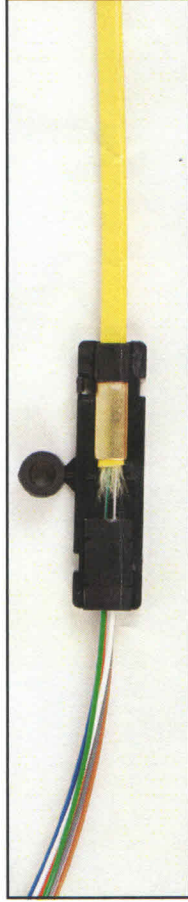
4. **Threading Fibers and Assembling the Fan Out Kit**

Working on a flat surface, tape down the cable with masking tape, securing it to the work surface so that the end of the jacket is a few inches from the edge of the surface, leaving the fibers exiting the cable and neatly draping over the edge of the work surface. Slide the proper size holding clip for the type of cable being terminated over the exposed fibers and onto the cable jacketing. Inset the brass jacket crimp onto the end of the jacket so that it is flush with the end of the jacket. Use pliers to bend the crimp over the jacket just enough that it grabs and holds the jacketing without crushing. **DO NOT OVER CRIMP!**

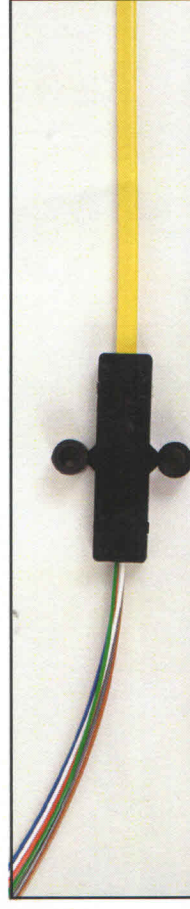


Tape the block section of the furcation assembly to the edge of the work surface with the tubing hanging down toward the floor.

Untangle the fibers so that each can be separated back to the point where they exit the jacketing. Carefully thread the fiber through the appropriate colored tubing in the block until the fiber exits the far end of the tubing towards the floor. Repeat this process for the remaining fibers. **IMPORTANT!** Be sure the fibers are not twisted around each other as they enter the block, this may cause attenuation from macro-bends at the point where they enter the block.



After all fibers have been inserted into the furcation tubes, carefully remove the furcation assembly from the edge of the work surface, grabbing all of the fiber protruding from the far end, slide the assembly towards the jacket leaving approximately 1/2" between the block and the jacket. Insert the block and jacket holding clip into one half of the housing as shown above.



Place the top of the housing onto the bottom, pressing in place until the housing snaps together as shown above.

This completes the fan out kit assembly.