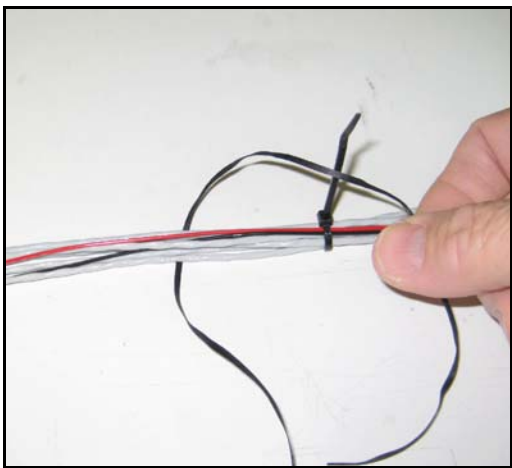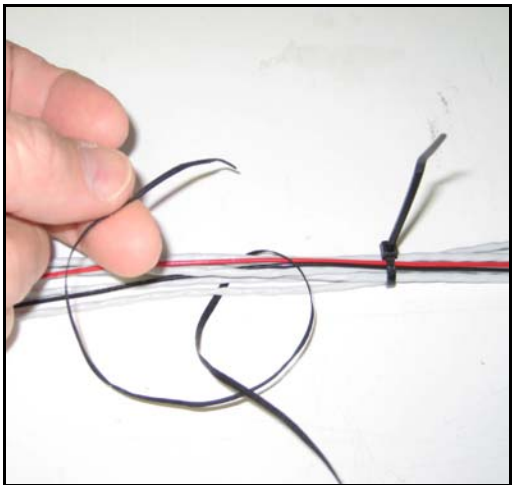# How to tie your wiring harnesses with flat lacing cord.

When making wiring harnesses, it is necessary to tie all the wiring neatly together. Flat lacing cord provides the easiest way to tie harnesses, and because the cord is flat, the low profile makes it easy to pull tied harnesses through the airplane.

Lacing cord is made from a waxed nylon and is very strong. It can be cut with a scissors, razor blade, or wire cutter (in the shop we generally use a scissors). The method of using it is simple, and once you learn it, you will be able to tie up wiring harnesses exactly like the professionals.
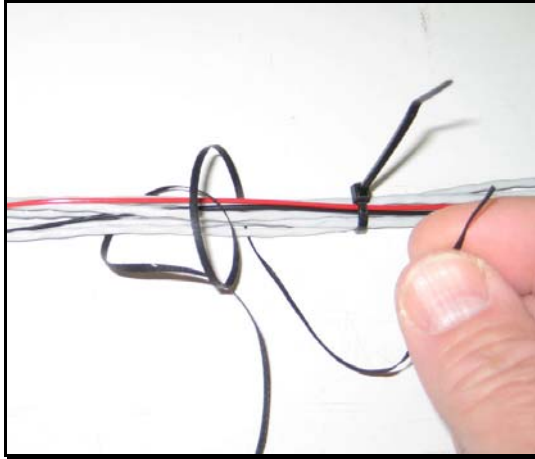

Start by loosely placing a tie wrap around the harness. As you tie lacing cord around the harness, you will slide the tie wrap along the harness to help keep the wires neatly combed together.
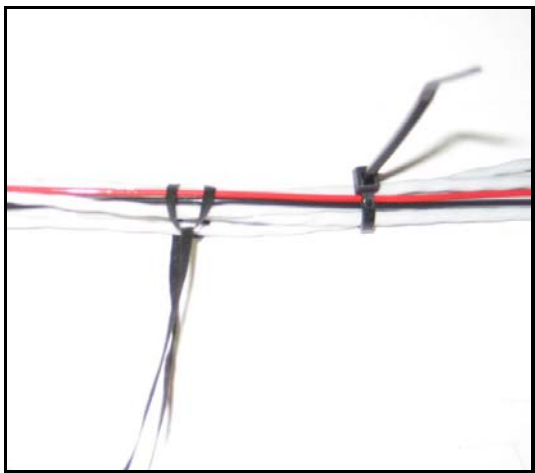
Pass the lacing cord under the harness and loop it back over the top.
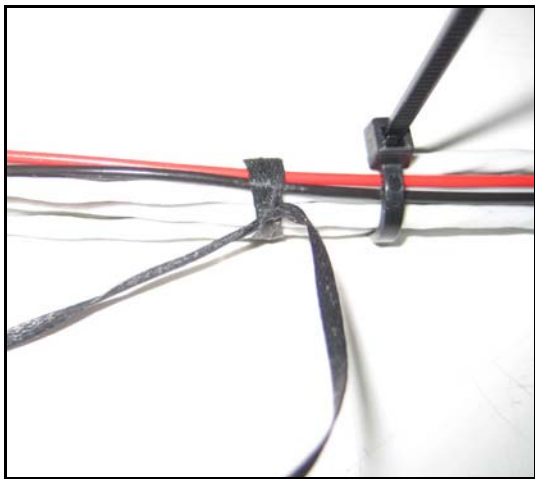

Now pass the cord behind the part that goes under the harness, and pass it back over the top of the harness
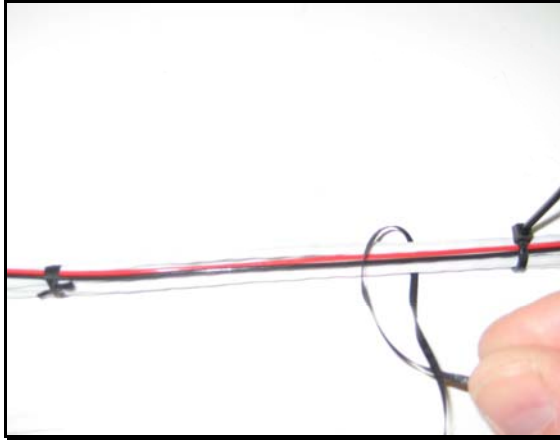
Now bring the cord back under the harness.

Bring the two ends of the cord together and tie them in a knot.

After the ends are tied , cut the ends off leaving about ¼ inch of cord.

Next move the tie wrap down the harness and add another lacing cord tie.

Work your along until the entire harness is tied.

That is all there is to using flat lacing cord to tie your wire harnesses. Keep in mind that because the cord is made from Nylon, is melts fairly easily so it is not suitable for very high temperature environments.