ABSTRACT

The present invention disclosed a method of making an electrically conductive fabric tube that is suitable for use in medical applications whereby air will flow through the fabric tube from one point to another with data and thermal control. The performance of such electrically conductive fabric tube serves to control not only the presence of moisture but also to suitably heat-up and adjust the air in the tube to the desired temperature and data transfer between one medical device to another. The electrical conductivity of the fabric comes from using conductive ink which is applied onto a specially converted fabric. The conductive fabric is then formed into a tube-like structure, followed by plastic over-molding structure at the two (2) ends of the tube that can connect to the medical device.

Use **Figure 1.**