



## Wire Harnessing and Repair



### **Product:**

EMI Shield "T's"

### **Problem:**

An aerospace subcontractor needed to add additional EMI shielding to existing wire bundles contained in electronic equipment installed in Military aircraft. In addition to the straight cable runs, numerous "T" breakouts existed that required shielding. The end customer required a common shielding material that was easy to install on-site for all section the system that could be easily re-entered as necessary.

### **Solution:**

Zippertubing modified its standard Mil/Aero approved jacket and shield materials to incorporate a small, flexible zipper closure. This closure allowed the creation various size (1/2-4.0" diameter) wraparound, shielded "T's" to work in conjunction with its standard zip-on EMI shielded jacket constructions.

### **Material:**

All parts were fabricated using Zippertubing's flame retardant Polyurethane film (**PFR-18**) outer jacket material, an inner layer of **Z-3250-CN** conductive EMI shielding cloth, small size Polyester coil zippers and Mil-Spec Polyester sewing thread.



### **Conclusion:**

Zippertubing's vast experience with EMI shielding, aerospace material specifications and ability to create new custom shapes and sizes, ZT offered "one-stop shopping" for this customer which enabled them to meet their delivery dates to the government.