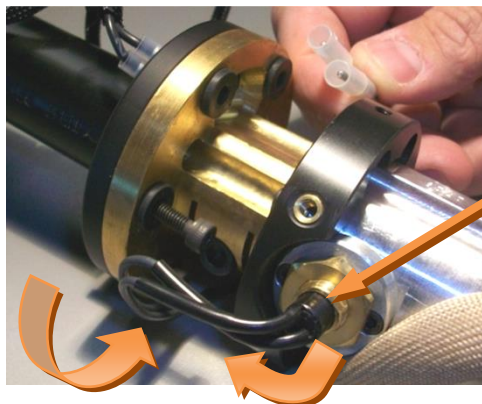




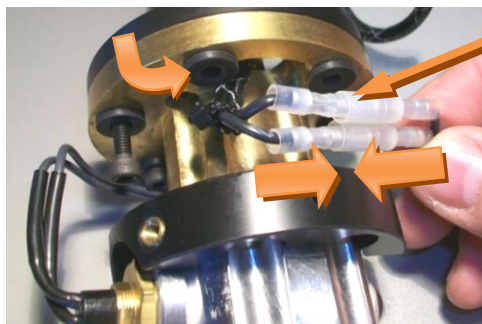
TECHNICAL GUIDE ADDENDUM

Wire Lead Installation for TOUGH GUN ThruArm Series Robotic MIG Guns

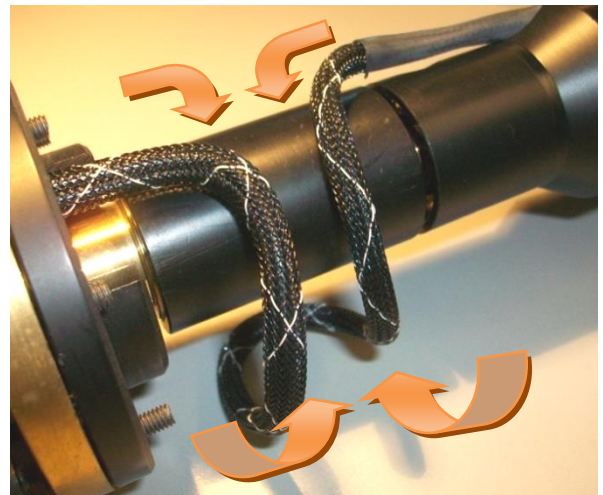
The following images illustrate the routing of clutch control leads within the TOUGH GUN™ ThruArm™ Series gun assembly. It is critical that these guidelines are used in order to mitigate the risk of damaging the control leads in applications where the axis is rotated $\pm 360^\circ$.



Switch leads are bent at 90° and wrapped around, as shown here.



The leads from the uncable are pulled through the access hole and connected here. This connection is captured within the outer cover of the gun.



The remaining lead length from the uncable is looped as shown above. The self feeding loop will allow for rotation in both directions. This loop will be captured within the wrist of the robot.



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