



Tether Preparation

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INTRODUCTION

This section deals with attaching the top end of your tether into the control box. The next section, Propulsion, deals with attaching motors to the bottom end of your tether. To connect the top end of the tether, follow the instructions found here:

TOOLS:

- [Crimping Plier](#) (1)
 - [Wire Strippers](#) (1)
 - [Soldering Iron](#) (1)
 - [Soldering Station](#) (1)
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Step 1 — Wire Crimping Basics



- Watch the informative video, taking note of the principles behind wire crimping and the techniques featured that can be applied to your ROV or Submarine build.

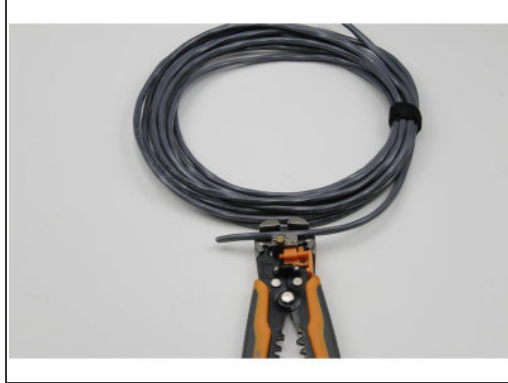
Step 2 — Soldering Basics



- Watch this informative video, taking note of the safety, cleaning and soldering techniques featured that

you can apply to your ROV or Submarine build.

Step 3 — Tether Preparation



- Carefully remove 50mm of the outer sheathing of the cable using wire strippers.

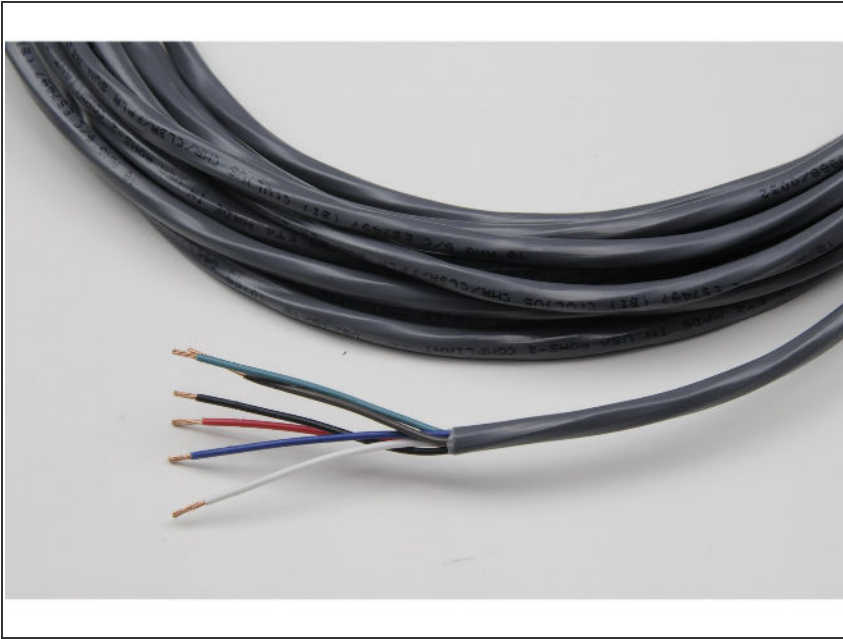
⚠ Do not nick any of the six coloured wires inside. If you do, cut the tether cable where you nicked an inside wire and start again.

Step 4



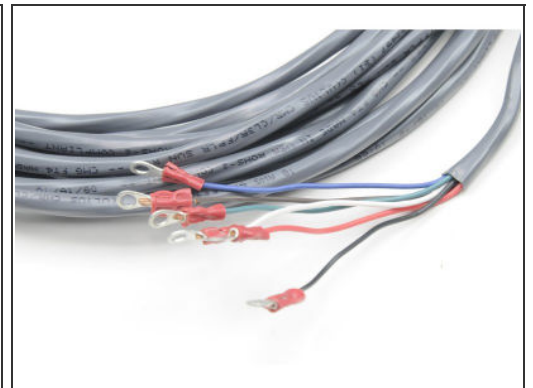
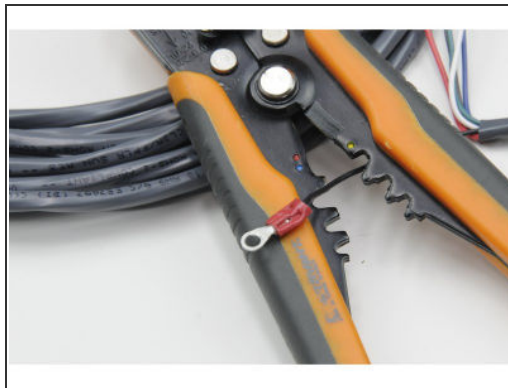
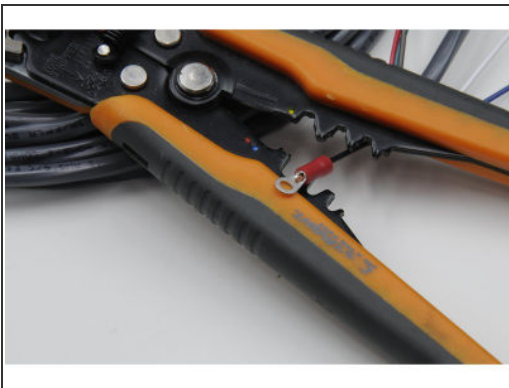
- Cut the string inside, but make sure all six coloured wires are still intact.

Step 5 — Prepare the Tether:



- Strip 5mm from the end of each of the six wires

Step 6



- Use crimps to attach a red terminal crimp to the end of each of the six colored wires in the tether