

How to properly cut your probe cable

We understand that for your application the BNC at the end of the cable might be too big to fit through a waterproof cable gland, or there is just too much cable and you want to shorten it. **pH**, **ORP** and **Dissolved Oxygen** probes use mini coax cable, you should follow these steps to make sure you do it correctly. **Conductivity** probes however, use a two lead cable, cutting and stripping these are very straight forward.



Before you cut your probe cable, make sure that the probe has been properly calibrated and is returning normal readings. Although probes with cut cables can return accurate readings, Atlas ScientificTM does not guarantee accurate readings once a probe cable has been cut. **We will not accept returns on probes with cut cables.**



We recommend you pick up a coax cable stripper tool, they are cheap, and will make the whole process much easier. Make sure it can cut **mini-coax cable RG-59**.



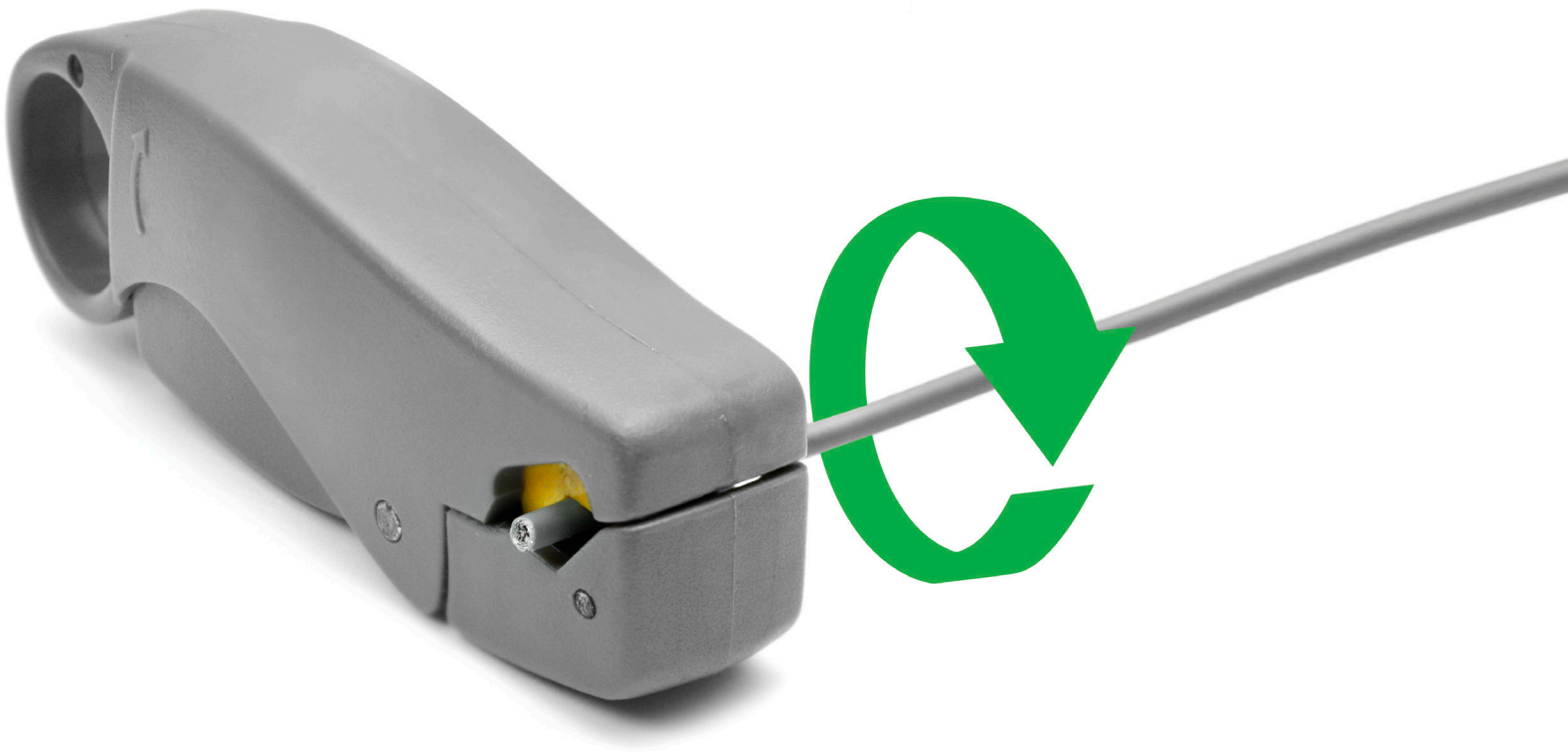
Step 01

With wire cutters, cut the cable at the desired length.



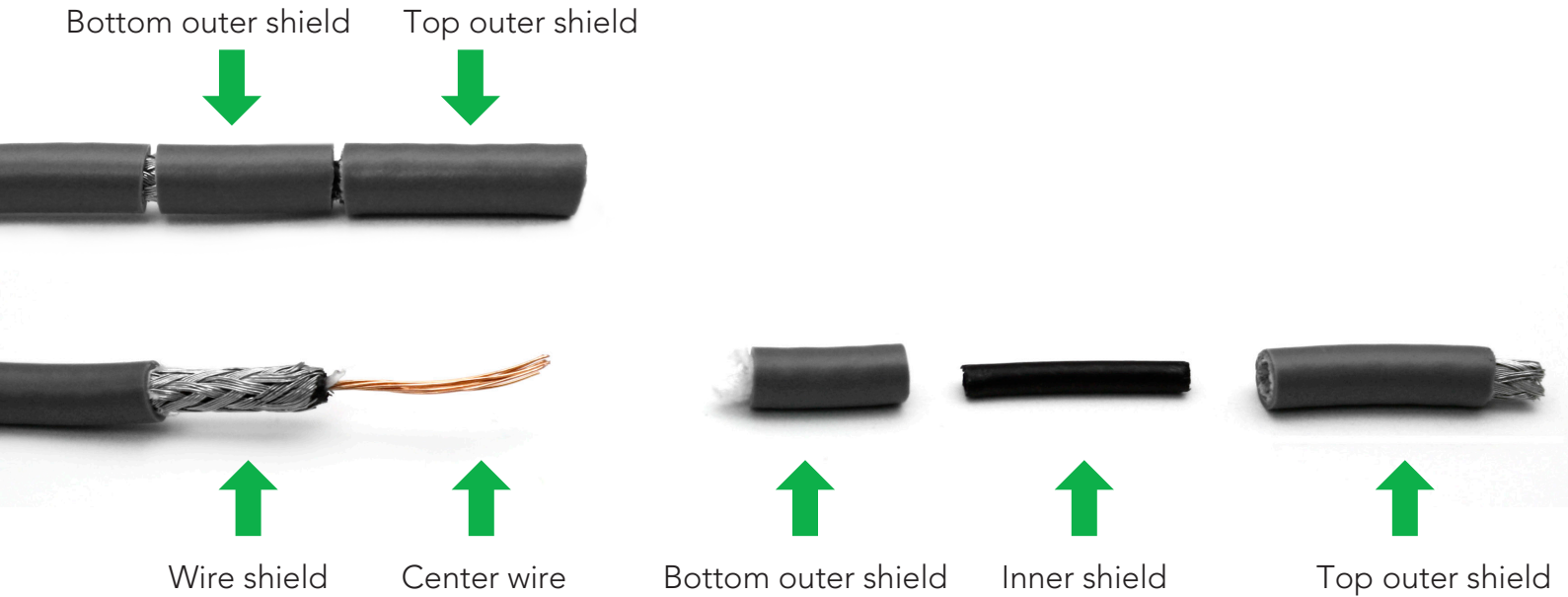
Step 02

Put the wire into the stripper tool and turn the tool three full rotations around the cable.



Step 03

After using the stripper tool you will notice that it has made two cuts on the cable. The top outer shield should easily come off, exposing the inner shield. Carefully remove the inner shield, and then finally the bottom outer shield. Once this is complete you will have both, the center wire and wire shield exposed.



Step 04

Twist the center wire, and wire shield like so...



Step 05

With a multimeter on **continuity mode** check to see that the two do not touch.



Step 06

Solder them both, do not use too much solder.



Step 07

Remove the flux with alcohol, or other flux remover.

Critical Step, This MUST be done, even if you dont see any flux residue.



Step 08

Now your cable is cut, striped and tinned. Due to the nature of the coax cable, you will be left with uneven lengths of exposed wire, that is normal.



If you are soldering another wire to your newly cut probe cable, return to **Step 07**.



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