

EL WIRE/TAPE/PANEL / EL WIRE

# Sewable Electroluminescent (EL) Wire Welled Piping- Aqua 5 meters

PRODUCT ID: 675



---

## DESCRIPTION

EL Wire, also known as Electroluminescent wire is a stiff wire core coated with phosphor and then covered with a protective PVC sheath. When an AC signal is applied to it, it glows an aqua (blue green) color. It looks a little like thin neon. Very bendable, it keeps its shape and you can curl it around your finger. Its an easy way to add some glow to a project, not as bright as LEDs but uses a lot less power!

This particular model is standard 2.3mm thickness EL wire, with a clear coat, pre-cut and soldered to a standard quick-connect EL wire. The really unique thing is that instead of just being a wire, its a welted piping, ideal for sewing or gluing! No more whip-stitching with clear thread, you can now sew this EL directly to fabric with ease. The welting makes it easy to add into seams for a very clean look.

This is not our high-brightness EL (it wasn't available in piping form), so it is dimmer than the non-welting kind we carry. However, the nice trade off is that you can drive twice as much 'standard' EL with an inverter, so you can connect 5 meters of this stuff to our 2xAA pocket inverter (or you can connect 2.5 meters to the inverter and then it lasts twice as long on the batteries).

Often used for costuming, decoration, accent lighting, safety vests, bicycle/motorcycle/car/boat/home decoration, signs, etc! This wire is not designed explicitly for outdoor use so it will fade if continuously exposed to UV.

To use, the wire must be connected to an inverter that provides an AC supply of approximately 100V at 2000 Hz. An inverter is not included! This wire is 500 cm long which is the maximum that can be driven by our handy 2xAA portable pocket inverter The full length draws 200mA from the 2xAA batteries (so 2000mAh batteries will last ~10 hours if on 'constant' mode)

We used EL wire to make our awesome TRON bag so check it out for ideas

This is a pre-cut, pre-soldered, 500 cm long piece of EL You can plug this right into an inverter and get glowing in seconds, and if you want to do something a

little more complex, cut and resolder it as desired. Soldering to EL wire is a little tricky but luckily we wrote a detailed step-by-step tutorial! To cut and re-solder EL, you'll need wire strippers, a soldering iron & solder, copper tape and heat shrink. A third-hand tool is really useful as well.

Please note! EL tape, EL wire and EL panel are made with different processes – the color and brightness will not be consistent between the different types of EL products. The EL tape will not match the EL wire or EL panel exactly, they all will be slightly different colors.

---