

Brilliant Concepts

LED SOLUTIONS FOR THE FUTURE

FLEXIBLE NEON ASSEMBLY



The look of Neon Glass!

The Advantages of LED!

FLEXIBLE NEON ASSEMBLY

A simple assembly process applies to all of Brilliant Concepts Flex-Neon products. These instructions work for both interior and exterior applications. All you will need are a few basic tools and the Brilliant Concepts product(s) of your choice.

Basic Tools

Having a few basic tools readily available will enable you to quickly and easily assemble Flex-Neon. We suggest using a set of anvil or pruning shears to ensure a straight clean cut, a pair of blunt or flat jaw pliers, and a heat gun to shrink wrap the ends and connectors.

Anvil Shears



Heat Gun



Blunt Jaw Pliers



FLEXIBLE NEON ASSEMBLY

Assembly Supplies

You will need a supply of Flex-Neon, an End Cap (Or an X, T, or L connector if you are making a corner or joint application) a Flex-Neon power cord, a power pin and two shrink tubes. If this is an exterior application, a tube of Silicone Sealant (such as a window and door sealant) will be needed.

Flex-Neon



Power Cord



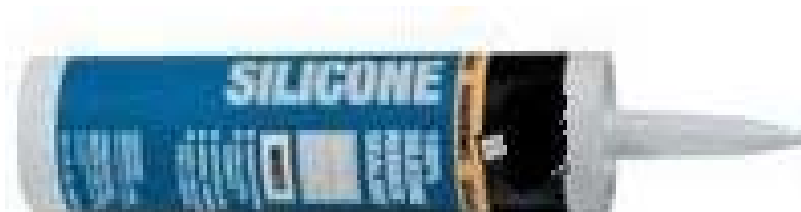
L, X, and T Connectors



Shrink Tube, End Cap & Power Pin



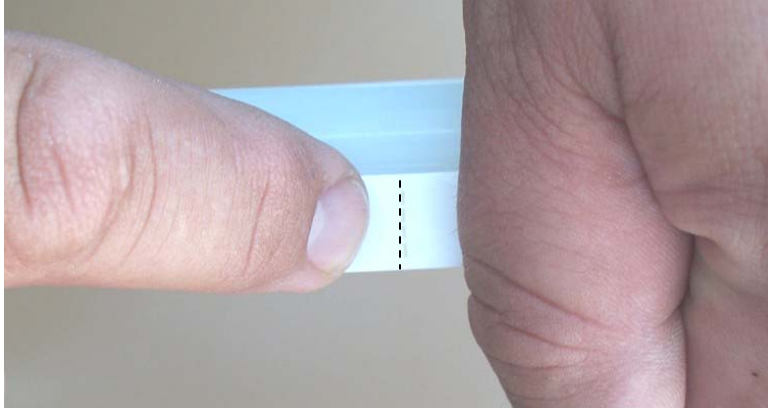
Silicone Sealant
(for exterior applications)



FLEXIBLE NEON ASSEMBLY

Cutting Flex-Neon

Locate the cutting mark on the side of the Flex-Neon. This will be designated by a vertical dashed line. Utilizing your cutting device, make an even cut through the Flex-Neon exactly on this mark.



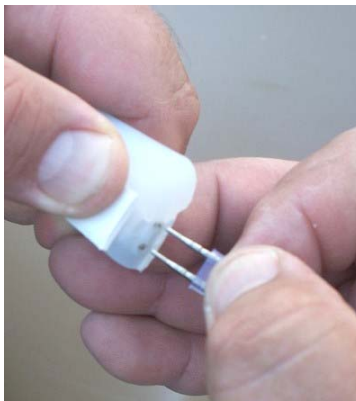
It is imperative to use a very sharp cutting blade to make a straight cut. Avoid pulling the internal wires of the Flex-Neon while making the cut. Stretching or pulling the wire may result in damaged or inoperable Flex-Neon.

FLEXIBLE NEON ASSEMBLY

Connect the Power Pin

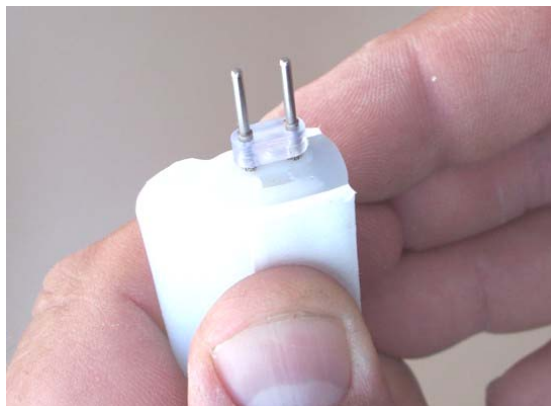
Position the Flex-Neon so that as you look at the cut end the two exposed wires are located on your right hand side.

Using the flat nosed pliers, position the power pin within the jaws of the pliers with the barbed end of the pin facing outward.



Position the pin so that the ends of the pin line up with the centers of the two exposed wires on the cut face of the Flex-Neon.

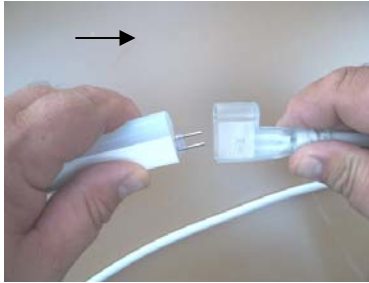
Holding the Flex-Neon in one hand and the pliers in the other, push the power pin into the two exposed wires on the Flex-Neon with a steady pressure until the clear plastic barrier on the power pin touches the Flex-Neon.



FLEXIBLE NEON ASSEMBLY

Connecting the Power Cord & X, T or L Connectors

Open the end on the Flex-Neon power cord by pushing on the top and bottom of the power cord with your thumb and index finger. Then position the power cord over the end of the Flex-Neon and align the smooth ends of the power pin with the pin openings in the power cord. Now push the pins into the power cord until a snug / tight fit is attained.

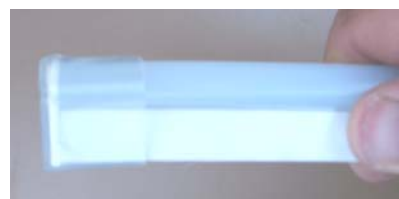
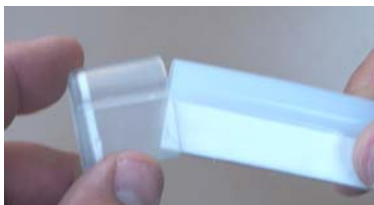


Using the same process as described above, place the X, T, or L connector, if being needed, on the opposite end of the Flex Neon power cord. Lastly, place an end cap over the end of the Flex-Neon. This protects the end of your Flex-Neon circuit.



Note:

Use great care to avoid separating the connections, then plug the Flex-Neon power cord into a 110/120 power source briefly to ensure the Flex-Neon illuminates properly.



FLEXIBLE NEON ASSEMBLY

Shrink Tubing Placement

Place a shrink tube over each connection. Place the tube evenly over the joint area to be covered on the power cord. On all other connectors (end cap, X, T, or L connector ends) place the shrink tube so that it extends past the end approximately 1/8th of an inch.



Sealing Shrink Tubing

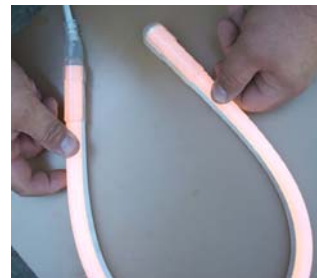
Use a heat gun to shrink the tubing, heating it evenly, until it is snug to the Flex-Neon and the edges appear to be slightly beading.



Use even side-to-side motion



Seal the ends as the last step.



CAUTION!

The tubing will be extremely hot. Do not touch the tubing until it has cooled to avoid burns.

Once cooled your Flex-Neon from Brilliant Concepts is ready for installation.

FLEXIBLE NEON ASSEMBLY

Exterior or High Moisture Applications

Place a small bead of Silicone Caulking around the exposed edge of the Flex-Neon power cord cap and the Flex-Neon end cap. Make sure that the caulking seals any opening that may exist along this edge.

Need Further Assistance or Have Questions?

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