

Common Questions

Can I cut Laser Wire to length?

You can cut Laser Wire to length using wire cutters or a sharp scissor. The cut ends will have exposed glass fiber which is very sharp, make sure to place a protective cap or dab of glue over the cut end and dispose of the scrap as you would broken glass.

Can I use my own laser with Laser Wire?

No. Most lasers have a dot pattern 1mm in diameter. Laser Drives focus their beam to an area 35 times smaller at a specific focal length that allows 100% of their power to enter the Laser Wire.

How do I make Laser Wire brighter?

Changing to a higher power Laser Drive will make your Laser Wire glow brighter.

How should I clean Laser Wire?

You may have noticed that static electricity constantly attracts bits of dirt to the Laser Wire. Clean with a lint free microfiber cloth. For stains try a dilute soap solution.

How do I install Laser Wire?

For clothing use we recommend Ellumiglow's Laser Wire welting. You can also sew over the top of the Laser Wire with invisible thread.

For surface mounting use a natural seem line or create a channel 0.5mm deep by 0.8mm wide. Secure the Laser Wire with a bead of your favorite Plastic adhesive.



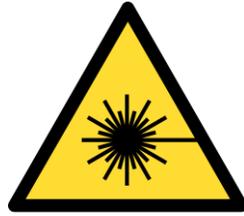
ELLUMIGLOW

Laser Wire

User Guide

Caution:

Lasers Are Not Toys



Never point a laser at anyone's face or eyes.

Our Laser Drives have a diverging pattern for safety... Even so, never power on your Laser Drive until it is connected to Laser Wire. We make no claim as to the safety of the Laser Drive when used separately from Laser Wire.

If the Laser wire snaps, shards of glass fiber may be exposed. Glass is sharp! Trust us you don't want to be stung by glass fiber... Dispose of any shards of fiber or excess fiber properly, as you would broken glass.

Laser Wire Facts

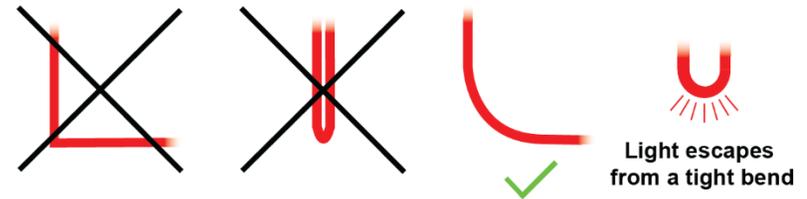
Laser Wire is an optical glass fiber designed to emit light sideways along its entire length.

Pop Laser Wire emits the most light energy and will glow the brightest but will have the most noticeable brightness drop-off along the length of the wire. It is best for lengths of 5m or less.

Accent Laser Wire emit slightly less light energy and is not as bright as Pop. It will not have a noticeable brightness drop-off on lengths less than 10m. Accent is best driven with a high power laser.

Ice Laser Wire is Accent Laser Wire that has been coated in a yellow phosphor that will glow cool white when lit with a blue Laser Drive.

The Laser Wire is a glass fiber inside a clear PVC jacket that will protect the fiber. Both the glass fiber and PVC jacket are very strong, however the glass can break if you make a sharp bend with pressure or try and fold the Laser Wire. Gradual curves are best. Any curve with a radius less than 1/2" will start to leak light out the bend, this will reduce the brightness of the fiber downstream from the bend. The minimum bend radius is 1/4" (1/2" diameter for a 180° bend)



The area where the fiber comes into the end connector is prone to breakage, handle carefully and reinforce this area in any installations.

Connecting Laser Wire to Laser Drive

The Laser Drive has a silver threaded cap that must be unscrewed before use

The Laser Wire end connector has a translucent plastic end cap that must be pulled off before use.

Always use the end caps when the Laser Wire is disconnected from the Drive, and contamination of or damage to the optical interface could dim the wire.

The Laser Wire end connector aligns to a notch in the Laser Drive, screw the end connector over the Laser Drive.

