

Technical Information of EL Chasing Wire

EL chasing wire Introduction

EL chasing wire is our new extended product that made based on the EL wire, and it's work principle is the same as the EL wire which is a physical change principle of a high-efficiency luminescence emitted through the bound, change, and compound of the electronic energy level that is caused by the fluorescent substance (ZnS) striking with the electron inspired at the AC electric field which is generated through the AC voltage from the attached two poles.

EL chasing wire is a kind of spot flowing status which remedies the EL wire's defect(constantly and flashing) in the aspect of light source singularity and accordingly reach due to the single light source limit. And it's more saving and durable .Therefore, the Light-Chasing EL wire can be long-distantly applied more reasonable and more securely than that of the EL wire.

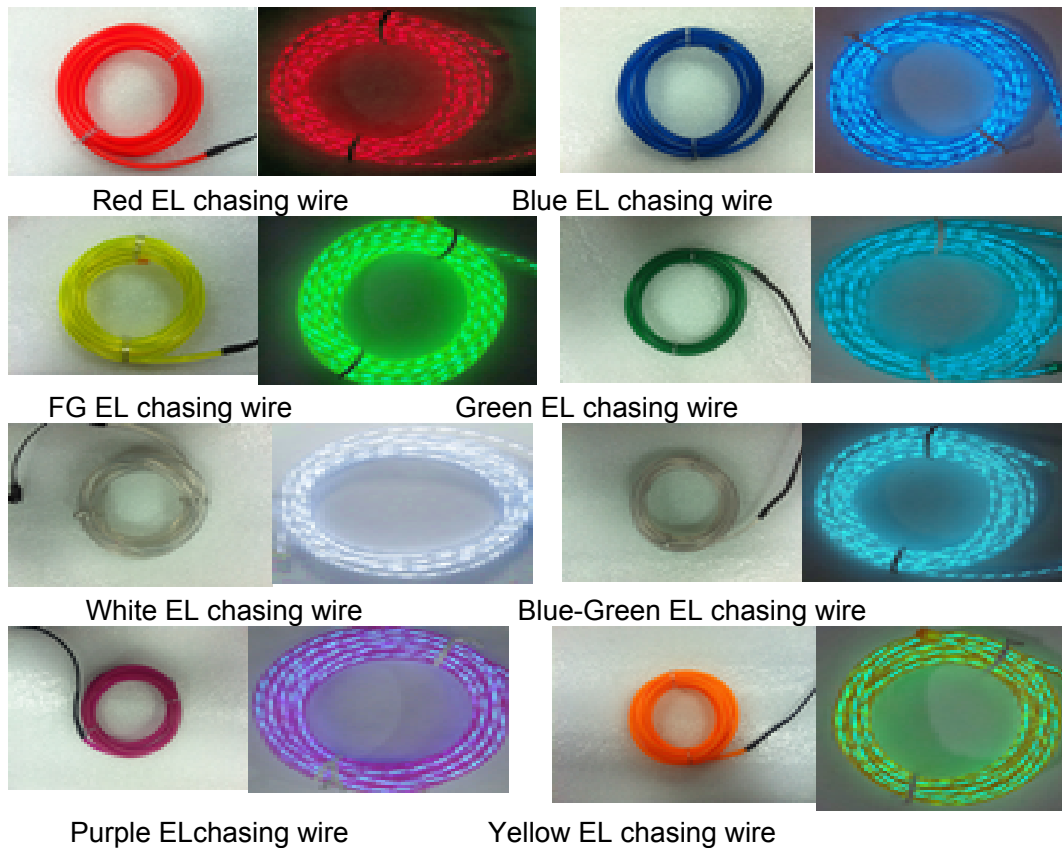
EL wire Applied Range

1. Indoor advertisement: can be made into various types of dynamic text patterns ,applied on store family showcase, door decoration, furniture edges, wall design, roof design, Trees ,grass and so on,
2. Transport decoration: internal and external decoration of Travel and ship, the functional profile identification of cage door instrument instruction, digital patterns show halted security automatic shape sign, interior logo of bulletin automotive, bicycles, etc.
3. Security marking and instructions: street fence, stair handrail and ground instruction, continuous channel logos, exit signs, outdoor temporary night warning lines, Police line of sight of subway, stations, pier, construction sites and equipment etc.
4. Electronics and appliance product applications: industrial machinery and equipment which provide electronic display mark, electric toys, arts and crafts, Sports equipment, sports venues, security clothing, hats, bags, household appliances.
5. It can be made into flashing electric wire, such as power supply socket connection, mobile phone charger line, USB interface wire, audio headset wire.
5. The speed of the flashing of the chasing wire is depending on magnitude of current or the music frequency control flashing.
6. Data flows through a wire will make the direction of occurs when walking around, etc.

Technical information :

- 1 Working voltage: 80-110V, optimum operating voltage: 110V。
- 2 Working frequency: 800Hz-1200Hz, optimal frequency: 800Hz。
- 3 Static capacitance: 6.5nf/m (20℃ RH<80%)。
- 4 Illumination intensity: 150cd/m2 (110V 800Hz)。
- 5 Power consumption: 14mW/m ~ 90mW/m(110V 800Hz-1200Hz)。
- 6 Life span(normal temperature and moisture): 8000 hours(110V 800Hz)。
- 7 Continuous working temperature/relative humidity: -20℃ ~ +70℃/RH<90%。
- 8 Storage temperature/relative humidity: -10℃ ~ +40℃/RH<65%。

EL chasing wire Main Color



EL chasing wire Main Variety

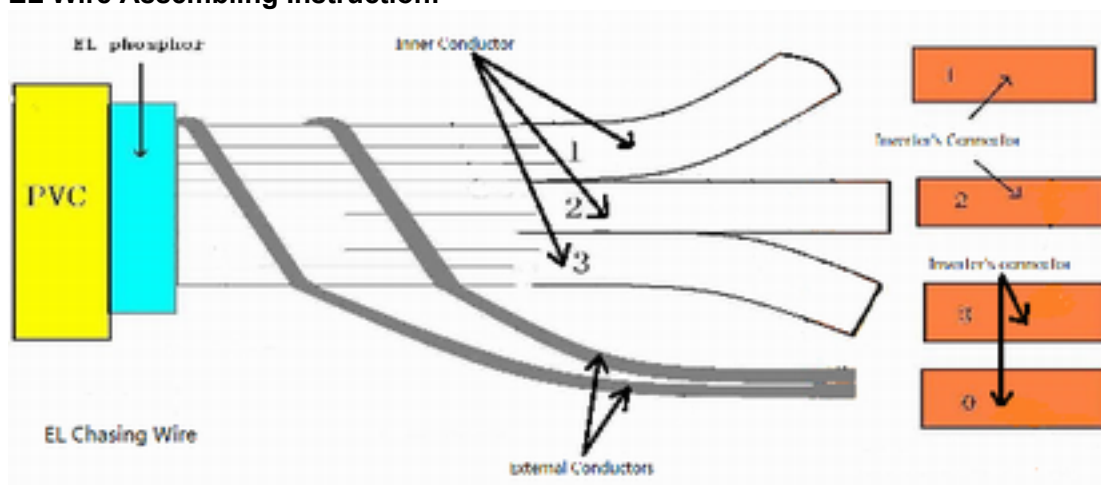
1 Round shape single core

1.1 Basic Diameter: 2.3mm

1.2 Basic color: 8 colors,

Blue, Yellow, Purple, Green, Fluorescent Green, Blue-Green, White, Red

EL Wire Assembling Instruction:



Kindly Reminder:

1. Forbid to connect power supplier without its driver
2. The flash function control by driver.

3. Forbid to cut when connecting power. The electrode forbid to connect together, and should prevent it from water.
4. When making shape or connecting, do not to drag and bend emphatically.
5. The EL wire need match the suitable driver to work otherwise may break the wire and driver, even dangerous. The driver should operate in power properly, the driver forbid to work without connecting wire.
6. If the wire or driver is very hot, cut off power immediately, call the distributor.
7. Keep far from tinder, causticity goods
8. Install and connect with professional's guidance

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[SparkFun Electronics:](#)

[COM-12925](#) [COM-12929](#) [COM-12926](#) [COM-12927](#) [COM-12928](#) [COM-12930](#) [COM-12931](#) [COM-12932](#)