Electroluminescent (EL) Chasing Wire

Description:

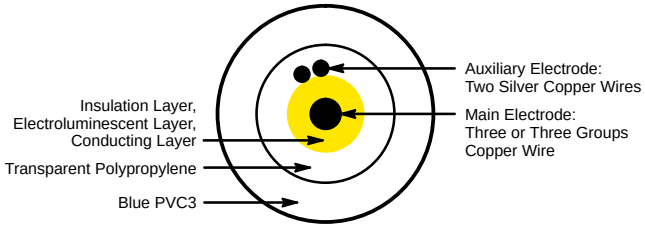
Flexible Neon Wire, EL Wire, also called Electroluminescent (EL) Wire is the new generation product in the global lighting and display industry. Wrapped by a colorful plastic tube on its surface, it appears similar to common telephone wire, emitting light along its entire length but without any heat radiation.

With a much lower power consumption, energy saving, and environmental protection, it opens a new era in the lighting and display field.

Features

- **Available in 2 Different Diameters**
  - **2.3mm**
  - **3.2mm**
- **Standard 9.84 Ft. (3 Meter) Length with Pre–Wired Connector**
- **Environmentally Friendly and Energy Saving, uses 50 – 70% less energy than LED lamps, 20 – 40% less than Rope Lighting, and 1 – 10% less than Neon Lighting**
- **Extremely Flexible, can be Bent, Knotted, Cut, Stretched, etc. without Compromising the Lighting Effect**
- **Can Be Mounted to Almost Any Decoration Surface using Transparent Adhesive Tape, Glue, Clips, Thread Nail, etc.**
- **Applications Include:**
  - **Indoor and Outdoor Advertisements**
  - **Shop Windows, Doors, Furniture, Walls, Roofs, etc.**
  - **Cars, Boats, and other Vehicle Ornamentation**
  - **Indoor and Outdoor Decoration**
  - **Guidance Lighting such as Safety Signs, Stairways, Doorplates, and Temporary Markings**
  - **Toys, Arts & Crafts, Garments, Sporting Equipment, etc.**





Specifications

Optimum Operating Voltage: 110 – 130VAC
Optimum Operating Frequency: 2000 – 2500Hz
Power Dissipation: 180mW
Axial may Withstand the Strength: ≤ 1KG
Curving Scope: Greater than four times the diameter
Twist Angle: < 30°
Working Life:
Normal Temperature and Humidity: around 5000 – 9000 Hrs

Characteristics

With energy saving, environmental protection, and safety characteristics, EL Wire has low power consumption when applying voltages from 3V to 220V with no heat radiation. This flexible product can be bent, knotted, cut, stretched, etc, with no change to the homogeneous light displayed along the entire length. EL Wire can be mounted to a variety of surfaces including glass, furniture, walls, etc. with transparent adhesive tape, glue, and clips as well as being able to be sewn onto clothing and leather. This makes it ideal for both indoor and outdoor applications.

Ordering Information

NTE Type No.		
2.3mm Diameter	3.2mm Diameter	Lighted Color
69–ELCW2.3RD	69–ELCW3.2RD	Red
69–ELCW2.3TW	69–ELWC3.2TW	Transparent White
69–ELCW2.3PU	69–ELWC3.2PU	Purple
69–ELCW2.3GR	69–ELCW3.2GR	Green
69–ELCW2.3BL	69–ELCW3.2BL	Blue
69–ELCW2.3YG	69–ELCW3.2YG	Yellow Green
69–ELCW2.3PI	69–ELCW3.2PI	Pink
69–ELCW2.3OR	69–ELCW3.2OR	Orange
69–ELCW2.3TB	69–ELCW3.2TB	Transparent Blue

Accessories

NTE Type No.	Description
69–ELCM–1	EL Chasing Wire Connector, 4–Wire Male
69–ELCF–1	EL Chasing Wire Connector, 4–Wire Female
69–ELCWS–2	EL Chasing Wire Splitter, 2–Wire
69–ELCWS–3	EL Chasing Wire Splitter, 3–Wire
69–ELCWS–4	EL Wire Chasing Splitter, 4–Wire

Power Supplies

NTE Type No.	Description
Battery Power Supplies (Batteries not included)	
69–ELBP–6	Drives 0–3m (0–9.8 ft.) Max Length; Modes–On/Variable Flash Speed/Reverse Variable Flash/Off; Uses 2 AA Batteries
12V DC Power Supplies	
69–ELDP–4	Drives 0–10m (0–32.81 ft.) Max Length; Modes–On/Off; with 5.5mm x 2.1mm Input Plug
69–ELDP–5	Drives 10–50m (32.81–164.0 ft.) Max Length; Modes–On/Off; with 5.5mm x 2.1mm Input Plug
AC Power Supplies	
69–ELD40	Drives 0–10m (0–32.81 ft.) Max Length; Modes–On/Flash/Off; 110–250VAC
69–ELD50	Drives 10–50m (32.81–164.0 ft.) Max Length; Modes–On/Flash/Off; 110–250VAC