

SILICON NEON FLEX

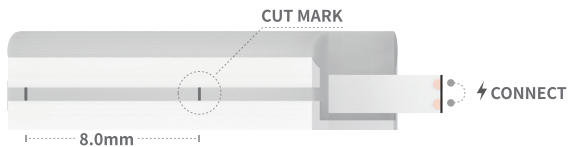
About SILICON NEON FLEX

Sunsignled slim neon flex is the most flexible neon-replacement product currently available. It can be bent in a very small radius, allowing full artistic freedom as with traditional neon. The product is made with the latest in-mold silicon extrusion technology, UV resistant, weatherproof, non-yellowing.

Sunsignled slim neon flex is a true low-power LED replacement for small neon signs and art pieces, available in 9 colours.

-  Extremely flexible, UV stable, impact resistant and flame retardant silicon extrusion
-  Protection class IP65
-  Wide colour pallet, daytime colours when non-illuminated
-  Bright, dot-free and homogeneous light
-  Adjustable in length, cuttable every 25mm
-  Interfaces with all automation and control systems
-  3 years warranty indoor, Available for DC12V and DC24V
-  Each 3LED / cut or each LED / cut according to the cut mark

Cut according to the cut mark, weld to connect the positive & negative electrodes after removing the silicon



Cap & seal the cut point or use glue to stick each side

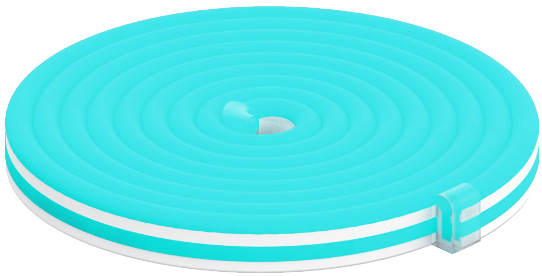


Features

- Side bending and Top lighting
- Enhanced SMT LED inside
- 3-color silicone extrusion
- UV and yellowish resistant
- IP65 and salt-mist proof
- L70B50 >25,000hrs
- Easy installation and re-connect accessories
- Bending angle: nearly 360°

Applications

- Neon tube light source
- General and cove lighting
- Signage

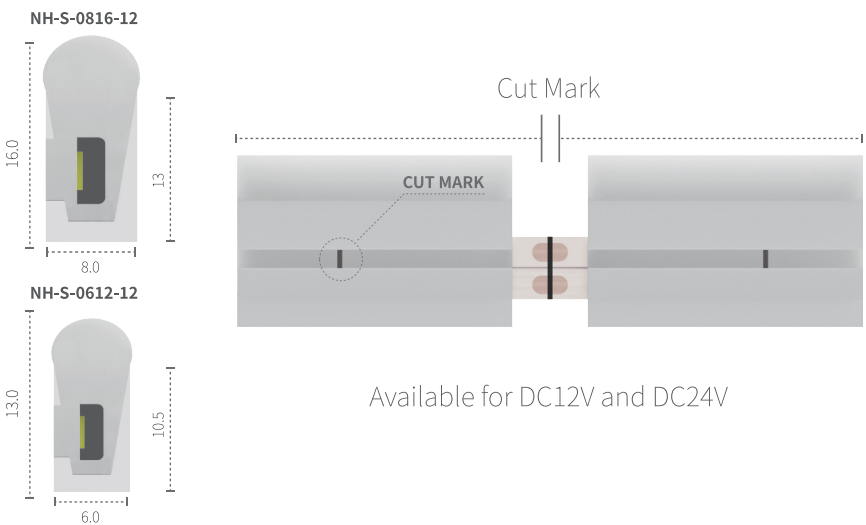


Environmental and Application Conditions

Ambient temperature range (TA on free air)	-40°C ~. +55°C
Operating (case) temperature range (TC)	-40°C ~. +60°C
Storage temperature range	-40°C ~. +80°C
IP rating	IP65

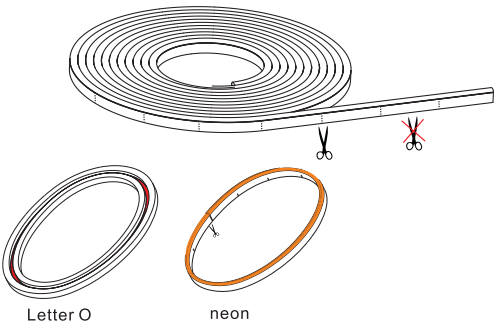
Electrical parameters

Item	2835-120D-12V / 24V
Supply voltage rated	12.0 VDC / 24V
Supply Current rated (per meter)	750 mA / 375mA
Power rated (per meter)	9 W
Max. length for single end power-in	5 meters
Max. length for two ends power-in	10 meters
Cutting unit length	25mm / 50mm
LED / meter	120pcs



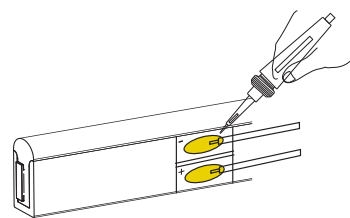
Guide for installation of LED neon

1 Prepare and cut

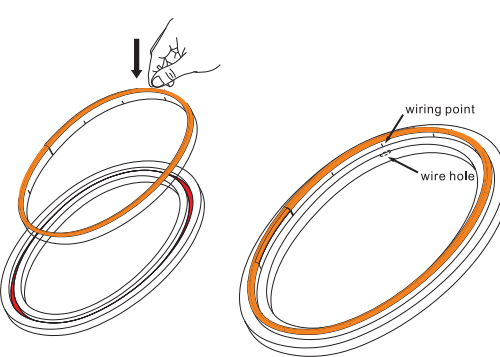


According to the letter shape, cut on the nearest mark with the length of neon no less than the letter.

3 Soldering

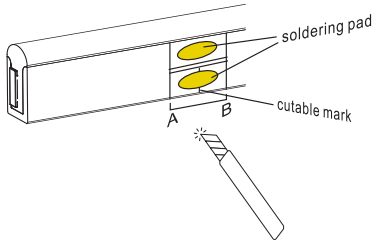


5 Install neon



Note: make the wiring close to the wire hole.

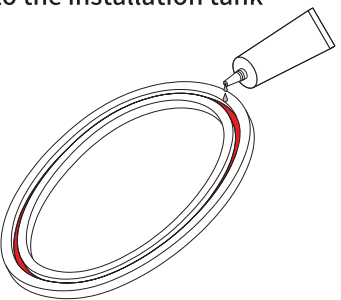
2 Wiring preparation



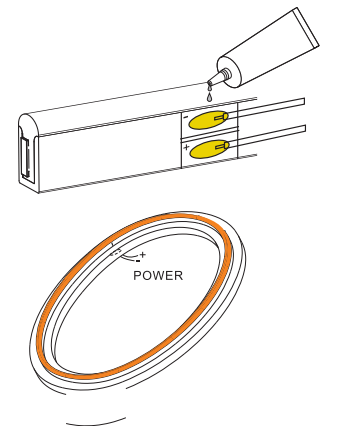
Remove the silicon on both side of cuttable mark.

Note: Be careful not to hurt the PCB.

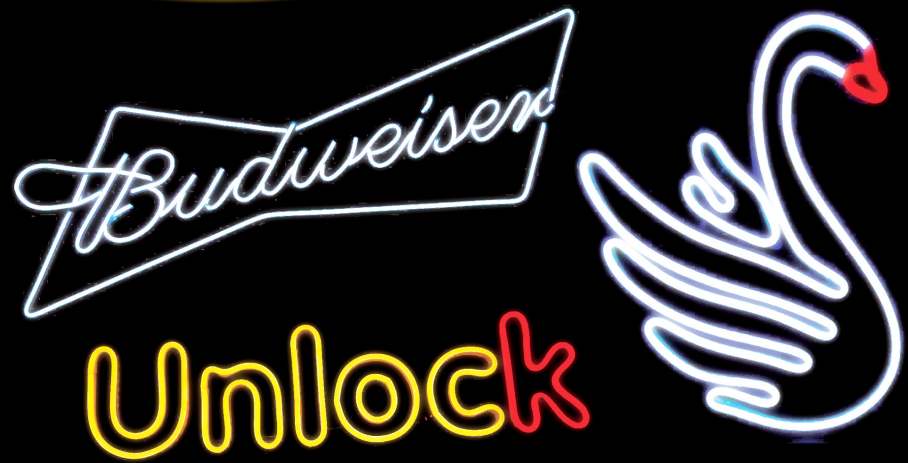
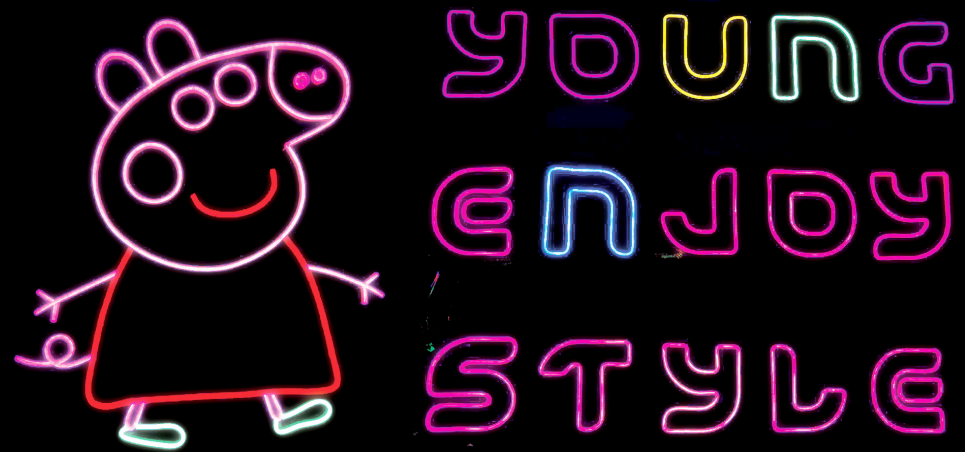
4 Apply appropriate glue to the installation tank



6 Protect the soldering point



Application Cases



Unlock

2019

SILICON
NEON
FLEX



Optical parameters

Part No.	Color	Value	Typ. Lumen
NH-S-0612/0816-12-C	White	6000K/10000K	320 lm/m
NH-S-0612/0816-12-M	White	3000K	320 lm/m
NH-S-0612/0816-12-R	Red	620-630nm	TBD
NH-S-0612/0816-12-G	Green	520-530nm	TBD
NH-S-0612/0816-12-B	Blue	460-470nm	TBD
NH-S-0612/0816-12-P	Pink	380-440nm	TBD
NH-S-0612/0816-12-GY	Golden yellow	600-605nm	TBD
NH-S-0612/0816-12-LY	Lemon yellow	570-580nm	TBD
NH-S-0612/0816-12-CY	cyan	480-485nm	TBD

Accessories

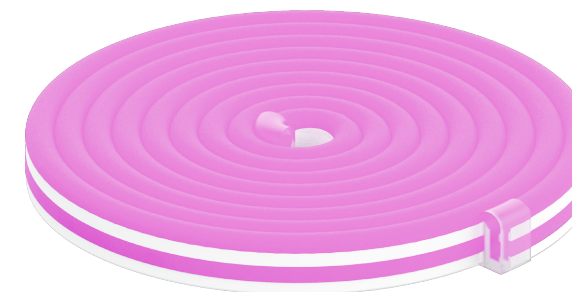
6MM end cap plastic sheet

8MM end cap plastic sheet

6MM waterproof end cap

8MM waterproof end cap

red/black cable



Specifications

NH-S-0612-12

- Dimensions: 6mm (W) x 12mm (H) Lengths of 5m (cuttable every 8mm will be available in future) Cuttable every 25mm
- UV stable, impact resistant and flame retardant silicon extrusion
- UL, CE and RoHS compliant
- Power per meter: 9W/m
- Protection class IP65
- 300-350lm/m
- Operating temperature -25°C ~ +60°C
- in-field flat bend of 10mm (radius)

NH-S-0816-12

- Dimensions: 8mm (W) x 16mm (H) Lengths of 5m (cuttable every 8mm will be available in future) Cuttable every 25mm
- UV stable, impact resistant and flame retardant silicon extrusion
- UL, CE and RoHS compliant
- Power per meter: 9W/m
- Protection class IP65
- 400-450lm/m
- Operating temperature -25°C ~ +60°C
- in-field flat bend of 20mm (radius)