User manual LED for neon flex MW-NS series.

Application.

– Neon LED flex MW-NS series, is dedicated to exchange typical neons on signage market.
– Typical application is indoor application.
– Outdoor application is possible if Neons are not on the full sun and rain contact.
– Bending is available almost in 360º .
– Mouting can be fixed by dedicated mouting clips.
– Supply voltage is saftety value 12Vdc or 24Vdc. We suggest to use high quality and safe switching power supply.
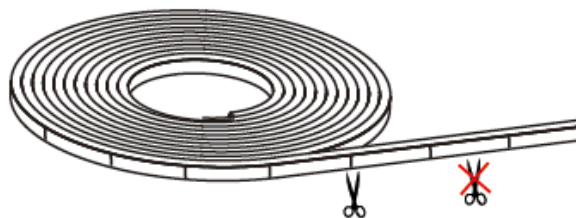
MW LIGHTING
MPL POWER ELEKTRO sp zoo
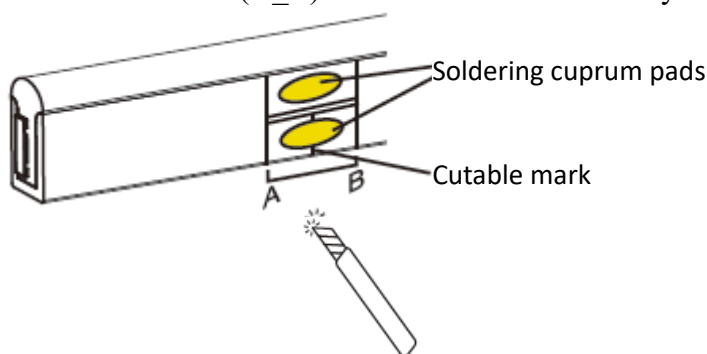ul. Wschodnia 40
44-119 Gliwice

Montage LED neon flex MW-NS series.

1. Prepare neon lenght and cut it. Cuttable lenght:
   - each 2,5cm for 12V version,
   - each 5cm for 24V version.

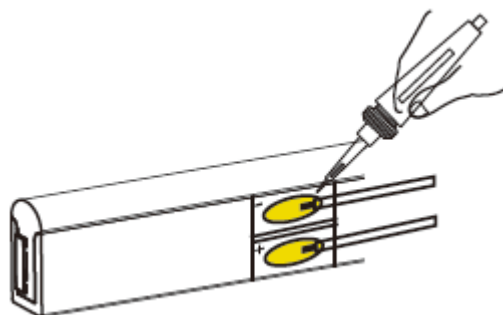You can cut only in special places on the mark
on the product.

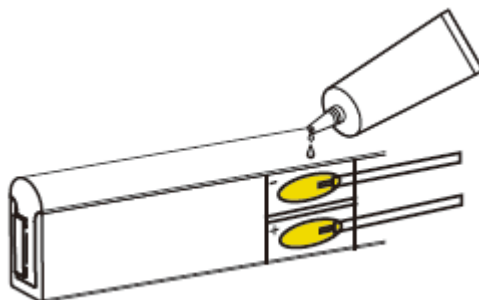2. Remove the silicon on both side of cutable mark (A_B). Be careful to do not destry cuprum parts.

Soldering cuprum pads

Cutable mark

A   B

3. Next step is to solder cuprum wires 0,5...2,5mm^2 to soldering pads. Table with diameter list of wires depends on power comsumption is below:
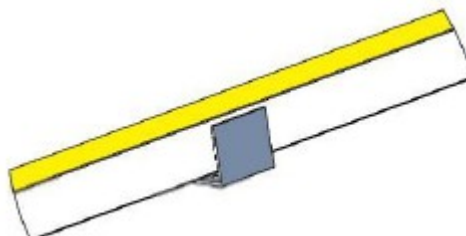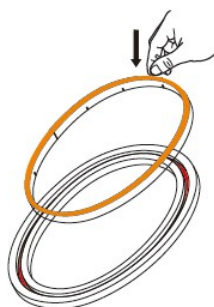
	For 12Vdc	For 24Vdc
2x 0,5mm^2	max 6W	max 12W
2x 0,75mm^2	max 12W	max 24W
2x 1,0mm^2	max 24W	max 48W
2x 1,5mm^2	max 48W	max 96W
2x 2,0mm^2	max 72W	max 144W
2x 2,5mm^2	max 108W	max 216W

4. Protect the soldering point with non-electric silicon, or use the special end caps.

5. Instal neon on flat surface with a glue, in construction. You can also use special plastic (only indoor), or aluminum mouting clips.

6. Connect the wires to high quality switching power supply. 12Vdc or 24Vdc according to datasheet.

On datasheet you can also find 1m power comsumption of neon flex. Do not cross the rated value of power supply in your application. You can also use few power supplies in one application.
yFull power comsumption you can calculate with formula below:

$$\text{Power [W]} = \text{Total lenght [m]} * \text{power pe meter [W/m]}.$$

Dedicated power supplies: GPV, GPVP, FTPC, GTPC, GLSV, EB, EBD, ER, ERD, EA.

ACCESORIES

Code	Description
MW-NS-XXXX-MB-PC	Plastic mouting clip
MW-NS-XXXX-MB-AC	Aluminum mouting clip
MW-NS-XXXX-MB-LIN	Aliminum mouting clip – linear (1m)
MW-NS-XXXX-YY-EC	End cap in dedicated colour
MW-NS-XXXX-YY-EC-W	Waterproof End cap in dedicated colour
MW-NS-XXXX-YY-ECo-WP	Waterproof End cap in dedicated colour with hole for wires

XXXX - 0612, 0816 – LED neon flex type, according to datasheet.
YY = W, WW, CW, R,G,B, P, LY, IB, GY – colour according to datasheet.