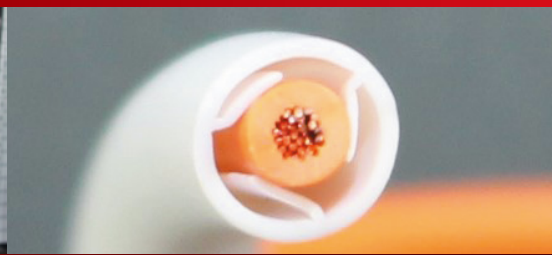
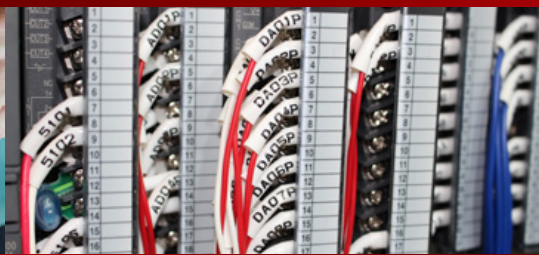


# LETATWIN

## LM-550A3 SERIES

PORTABLE PRINTER FOR  
CONTROL PANEL  
WIRE NUMBERING & DEVICE LABELING

MAX



TB-24VDC

PLC-01



# PORTABLE PRINTER FOR WIRE & DEVICE IDENTIFICATION

1

## INTEGRATED RECHARGEABLE BATTERY

Even when you can not find a power supply nearby, you can continue wire numbering and device labeling on site by loading 4, AA size rechargeable batteries.

\*Panasonic eneloop AA rechargeable batteries are recommended.

Please inquire about other rechargeable battery brands.

\*Rechargeable batteries are not included with a printer purchase.

\*You can print & half-cut approximately 10m(20mm pitch length X 500 block)tube using fully charged rechargeable Ni-MH batteries.

### 1 Battery Insertion

Open



AA batteries x 4pcs



\*eneloop® is a registered trademark of Panasonic Corporation group.

### 2 Bringing Printer

Bottom



Side



### 3 Printing without Power connection.

Input



Printing

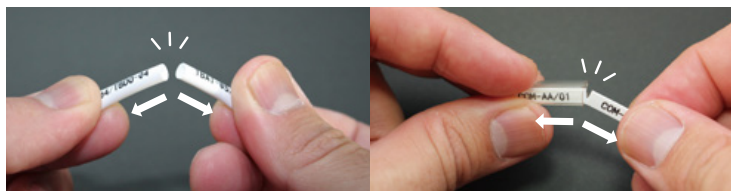


2

## HALF CUT FUNCTION

Adjust your marker length using the integrated Half Cut function. This unique function brings you: Higher visibility of printed characters. Less print media changes. Easy inventory management for print media.

### 1 Half Cut function



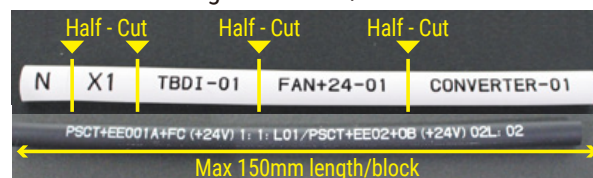
Half cut tubing is easily cut by hand.



Depth of the half cut can be adjusted.

### 2 Available block length

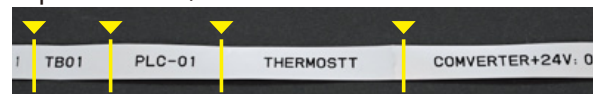
Heat Shrink Tubing: 10-150mm/block



Vinyl(PVC) Round Tubing: 10-150mm/block



Tape: 3.5-60mm/block



ID Plate: 10-60mm/block





## MARKING SOLUTIONS WITH THE UNIQUE FEATURES BELOW:

3

### PC CONNECTION

#### Easy Operation : Copy & Paste

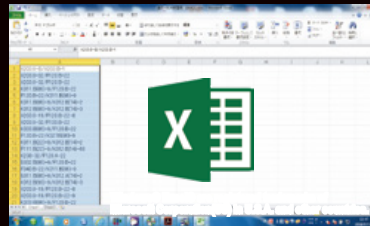
#### LETATWIN PC EDITOR



**AUTO CAD DATA**

\*\*AutoCAD® is registered trademark or trademark of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries."

Change data to  
Windows Excel  
or a [.csv] file

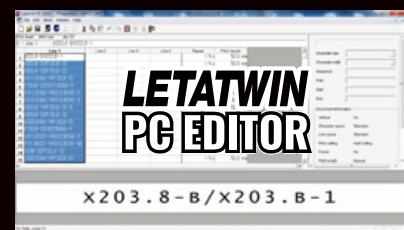


\*Windows® and Excel are registered trademarks of Microsoft Corporation of North America and other countries.

Copy  
& Paste



DATA TRANSFER



4

### EASY STEPS OF TUBE(SLEEVE) MARKING



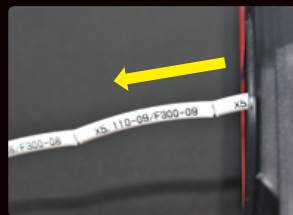
Check the outer wire diameter.

USA Wire	Recommended Tube Size													
Wire Outer Diameter	1.2mm 0.047inch	1.4mm 0.055inch	2.1mm 0.083inch	2.2mm 0.087inch	2.5mm 0.098inch	2.7mm 0.106inch	3.0mm 0.118inch	3.2mm 0.125inch	3.4mm 0.134inch	3.7mm 0.145inch	4.0mm 0.157inch	5.0mm 0.196inch	6.3mm 0.248inch	8.0mm 0.314inch
AWG	#26*1	#24*1	-	#22 (MTW)	#20 (MTW)	#18 (MTW)	#16 (MTW)	-	#14 (MTW)	-	#12 (MTW)	#10 (MTW)	#8 (MTW)	#6 (MTW)
GRIP TUBE	TU29G			TU37G			TU46G			-	-	-	-	-
L2&L TUBE	-	-	-	-	425	427	-	432	434	436	442	452	464	480
N2 TUBE	-	-	-	-	-	-	-	332	-	336	342	352	-	-

Select appropriate tubing size.



You can carry the half cut printed tubing.



LETATWIN prints  
and half cut the tubing.



Input print data



Set the tubing on  
LETATWIN.



Insert 2pcs of the marked blocks



Cut by Hands



Done!

\*The recommended size does not guarantee a match between wire and tube. We recommend checking the outside wire diameter.

\*1 Depending on Vibration it may move. We recommend checking performance test by yourself.

# VERSATILE PRINT MEDIA

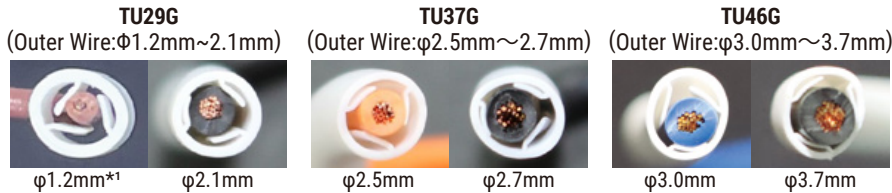
Watch Introduction  
Video of GRIP TUBE



## 1 GRIP TUBE Easy stop & Multi wire diameter tubing(sleeve)

Specially designed internal tube shape helps your markers hold a fixed position on the wire, even when using multiple wire diameter sizes. This material is a good fit to ferrule terminals.

### 1 Inside Shape



\*1 Depending on Vibration it may move. We recommend checking performance test by yourself.  
\*The recommended size does not guarantee a match between wire and tube.

### 2 Features

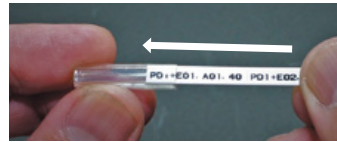


## 2 ID PLATE w4.1mm X t1.0mm Polyethylene Plate for Sleeve pocket.

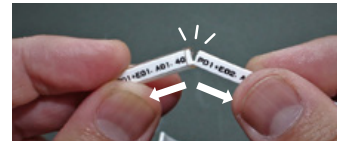
Print by LETATWIN



Push into sleeve pocket



Cut by hands



Done!



\*HALOGEN FREE : Accordance with IEC61249-2-21, Cl ≤ 0.09wt%, Br ≤ 0.09wt%, total content rate of both is ≤ 0.15wt%

## 3 ROUND TUBE Vinyl(PVC)and Half-cuttable by LETATWIN

### 1 'L'Tube

(Vinyl(PVC)/Drum Roll/No UL)

The drum roll design allows the tube to feed smoothly.



### 2 'N'Tube

UL224/E171616/105°C/600V

This 'N' tube series has acquired the UL224 certification, high insulation performance.



USA Wire	Recommended Tube Size															
Wire Outer Diameter	1.2mm 0.047inch	1.4mm 0.055inch	2.1mm 0.083inch	2.2mm 0.087inch	2.5mm 0.098inch	2.7mm 0.106inch	3.0mm 0.118inch	3.2mm 0.125inch	3.4mm 0.134inch	3.7mm 0.145inch	4.0mm 0.157inch	5.0mm 0.196inch	6.3mm 0.248inch	8.0mm 0.314inch		
AWG	#26**	#24**	-	#22 (MTW)	#20 (MTW)	#18 (MTW)	#16 (MTW)	-	#14 (MTW)	-	#12 (MTW)	#10 (MTW)	#8 (MTW)	#6 (MTW)		
GRIP TUBE	TU29G				TU37G				TU46G				-	-	-	-
L2&L TUBE	-	-	-	-	425	427	-	432	434	436	442	452	464	480		
N2 TUBE	-	-	-	-	-	-	-	332	-	336	342	352	-	-		

\*The recommended size does not guarantee a match between wire and tube. We recommend checking the outside wire diameter.

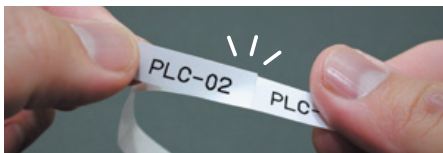
\*1 Depending on Vibration it may move. We recommend checking performance test by yourself.

## 4 TAPE (w5/9/12mm) & MARKABLE SLIDE PLATE (w10.7 X t0.5mm)

Half cut is also usable on polyester tapes. Useful for control panel device labeling.

### 1 Polyester Tape (w5/9/12mm/White/Yellow/Transparent)

Half Cut is available.

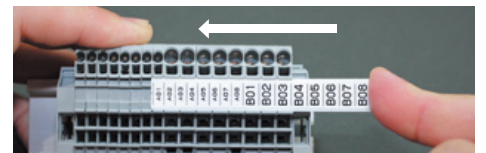


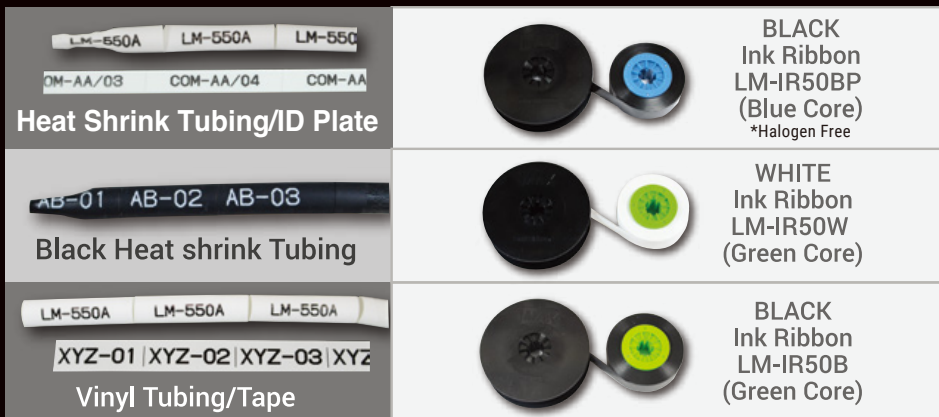
Stick tape onto Slide Plate



### 2 Markable Slide Plate

Terminal Block Strip

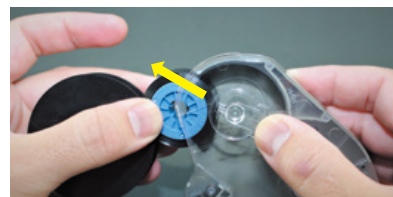




\*Black ink ribbon is 110m(120.3yard)/roll, white ink ribbon is 70m(76.6yard)/roll

\*Expression of `Halogen Free` is accordance with IEC 61249-2-21, Chlorine(Cl)  $\leq 0.09\text{wt}\%$  (900ppm), Bromine(Br)  $\leq 0.09\text{wt}\%$  (900ppm), total content rate of both materials is  $\leq 0.15\text{wt}\%$  (1500ppm).

Remove



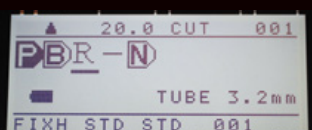
Insert



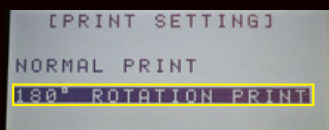
## ► USEFUL FUNCTIONS

### 1 AUTOMATIC 180 DEGREE ROTATION:

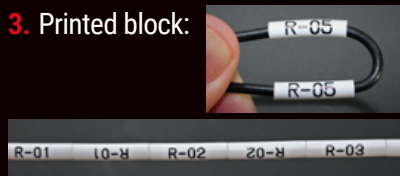
1. Input Data:



2. Print Setting:



3. Printed block:



\*Marking blocks are automatically duplicated, the duplicated marking blocks can not be seen if you press `IMAGE` key.

\*If the REPEAT` number is set to 2, please change the `REPEAT` setting into 1.

Watch  
Operational  
Video

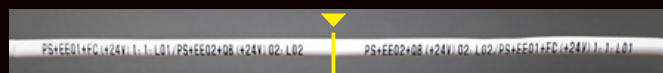


### 2 INPUT ASSISTANCE FUNCTION

If the amount of input characters for wire numbering is large, it can feel frustrating. You can use this function to cut your input data time.

1. When printing wire numbering as below:

SOURCE	TARGET
PS+EE02+QB(+24V) 02 : L02	PS+EE01+FC(+24V) 1 : 1 : L01

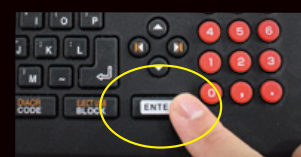


2. Input your numbers and characters with keyboard according to the source and target and then press the `block` key.

Watch  
Operational  
Video



3. By pressing `SHIFT` and `A/a` keys together, you can recall the characters entered immediately before. Press `ENTER` if you want to print it.



\*This function is available only when one slash [ / ] is entered between the source and target.

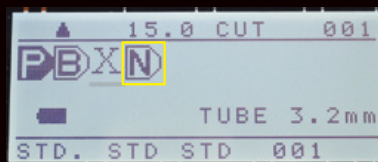
\*You can also select input candidates with the  $\blacktriangle$  /  $\blacktriangledown$  keys.

\*`Sequence Settings` are not automatically copied by this function.



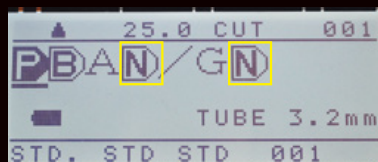
### 3 SEQUENCE SETTINGS: UP TO 3 SEQUENCES IN A BLOCK.

One sequence in a block;



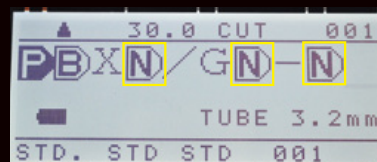
image

Two sequences in a block;



image

Three sequences in a block;



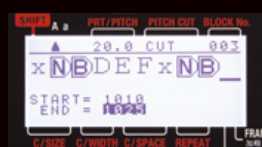
image

Watch  
Operational  
Video



### 4 VERSATILE SEQUENCE SETTING

START / END



START

END

1010, 1011, 1012 ... 1025

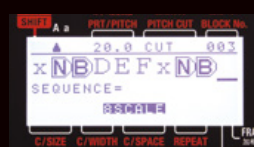
ODD / EVEN



ODD: 1, 3, 5, 7, 9, 11...

EVEN: 2, 4, 6, 8, 10, 12...

8 / 10 / 16 SCALE



8 Scale: 1,2,3.. 7, 10, 11..

10 Scale: 1,2,3.. 9, 10, 11..

16 Scale: 1,2,3.. 9, A, B ..

ALPHABETICAL



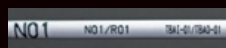
CAP: A, B, C, D ... Z

L.C.: a, b, c, d, .... Z

### 5 AUTO SIZE: CHARACTER AUTO & PITCH AUTO IMPROVE VISIBILITY OF MARKINGS.

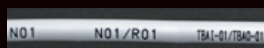
1. STANDARD AUTO CHARACTER:

You can shorten the character block length but character height also changes.



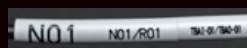
2. FIXED HEIGHT AUTO CHARACTER:

Only character height is fixed, character length changes automatically for higher visibility.

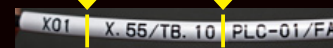
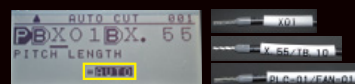


3. SUPER AUTO CHARACTER:

You can shorten character size&space/ line space, so you can save consumable consumption.



4. Printing block length is automatically fixed by setting character size.



Watch  
Operational  
Video



### 6 CHARACTER FONT CHOICES: THREE FONTS FOR BETTER VISIBILITY.

1. STANDARD:

Same in past models.

0123456789

ABCDEFGHIJKLM

NOPQRSTUVWXYZ

-03/TB00-03 TBAI-04/TB

2. CLEAR CHARACTER:

Designed for decreasing misreading.

0123456789

ABCDEFGHIJKLM

NOPQRSTUVWXYZ

-02/TB00-02 TBAI-03/TB

3. SQUARE SHAPE:

Height & Width are equal length.

0123456789

ABCDEFGHIJKLM

NOPQRSTUVWXYZ

02/TB00-02 TBAI-03/TB

\*Especially`3`6`8`9`0(zero)`0(oh)` are designed for prevention from misreading.

\*Actual character size is little bit smaller than the set character size.

Watch  
Operational  
Video



## ▶ NEW FUNCTION of LM-550A3

### 1 REMAINING PRINTING TIME IS VISIBLE

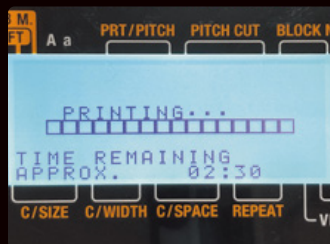
Check the can see the remaining print time so you can do other tasks and be more productive.



Input and Set Up your LETATWIN



Press "PRINT"



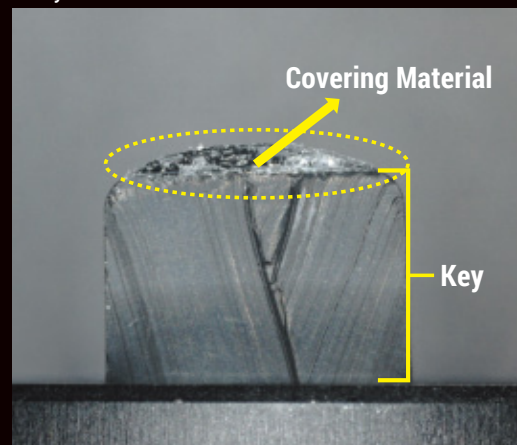
Printing Time is visible



### 2 HIGH KEYBOARD DURABILITY 8 TIMES durable than LM-550A2 with special surface treatment



\*Keyboard side cross section view



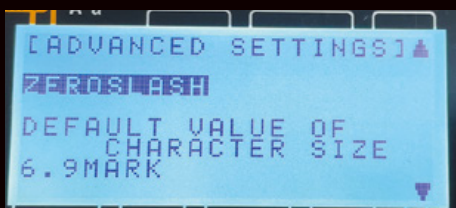
#### Internal Resistance Test Method :

Place the nonwoven fabric mixed with dust on a turntable (polishing machine), press the printed side of the key button on the nonwoven fabric to fix it, and the turntable will rotate.

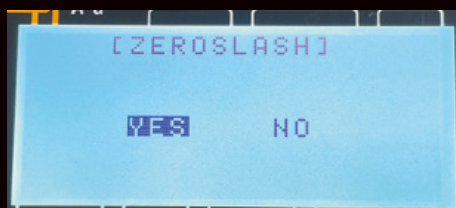
\*The above are only internal test results and do not guarantee the same durability for users.

### 3 ON / OFF SETTING FOR "ZEROSLASH"

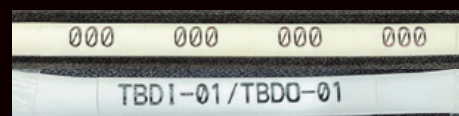
For all FONTS ZEROSLASH can be set ON & OFF. Set ZEROSLASH to make clear difference between, "0"(Number) and "0"(English).



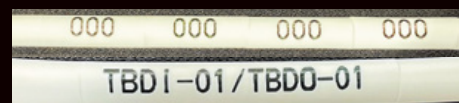
Choose "ZEROSLASH"



Choose "YES" or "NO"



\*ZEROSLASH ON



\*ZEROSLASH OFF

## OTHER ITEMS

### Ink Ribbon Case



LM-RC500

### Half Cutter



LM-HC340

### Attachment



Attachment for ID Plate

## SPECIFICATIONS

ITEMS	CONTENTS
Name	ELECTRONIC LETTERING MACHINE <b>LM-550A3BH PC</b>
Dimensions	295 (W) × 293 (D) × 94 (H) mm
Weight	2.4kg
Printing method	Thermal transfer method (300dpi)
Display	LCD dot matrix : 64×160 Pixel (Backlit)
Printing speed	40mm/s (Standard) 20mm/s (Low temperature mode)
Maximum Printing length	Tube : 100m, Tape : 5m By multiple copy printing, maximum 30copies, upto Tube ; 100m, Tape ; 7m
Maximum number of characters to input	5,000 characters per file
Character size	1.3, 2, 3, 4, 6mm height
Usable tube	φ1.5mm ~ 8.0mm (Vinyl Tubing) (For GRIP TUBE, the dedicated attachment (standard accessory) is required.) φ2.0mm ~ 6.5mm (Heat Shrink Tubing)
Usable tape	Width 5, 9, 12mm (Max genuine tape)
Usable ID Plate	2.5/4.1/4.6/6.3/9.0mm wide. *ID Plate Attachment Only compatible with MAX brand 4.1mm wide.
Tube cutting method	Auto half cut, manual full cut
Internal memory	250,000 characters (Maximum 50 files)
External memory	USB memory
Interface	USB 2.0 full speed
Power supply	DC12V, 4.2A <small>Use only specified AC Adapter (100V~240V) included in the package</small>
Power consumption	Max 40 W
Operating environment	10°C to 35°C

## CONSUMABLES & OTHER ITEMS

### GRIP TUBE(Vinyl(PVC)/Drum roll)

Easy stop & Multi size tube \*Not UL certified.

<b>LM-TU29G WHITE</b>	φ 1.2~2.1mm×100m(109.4y)/ROLL
<b>LM-TU37G WHITE</b>	φ 2.5~2.7mm×100m(109.4y)/ROLL
<b>LM-TU46G WHITE</b>	φ Φ3.0~3.7mm×85m(92.9y)/ROLL

### INK RIBBON CASE

20PCS./CTN

**LM-RC500**

### ECONOMICAL INK RIBBON REFILLS

10 ROLLS/BOX

<b>LM-IR50B (BLACK)</b>	110m (120y) / ROLL
<b>LM-IR50BP (BLACK)</b>	110m (120y) / ROLL
<b>LM-IR50W (WHITE)</b>	70m (76.7y) / ROLL

### HALF CUTTER \*REPLACEABLE

<b>LM-HC340</b>	2pcs/box
-----------------	----------

### POLYESTER TAPE CASSETTE

10PCS./BOX

<b>LM-TP505W (WHITE)</b>	5mm(W) × 16m (17.5y) (L)/PC
<b>LM-TP505Y (YELLOW)</b>	5mm(W) × 8m (8.7y) (L)/PC
<b>LM-TP505T (TRANSPARENT)</b>	5mm(W) × 8m (8.7y) (L)/PC
<b>LM-TP509W (WHITE)</b>	9mm(W) × 16m (17.5y) (L)/PC
<b>LM-TP509Y (YELLOW)</b>	9mm(W) × 8m (8.7y) (L)/PC
<b>LM-TP509T (TRANSPARENT)</b>	9mm(W) × 8m (8.7y) (L)/PC
<b>LM-TP512W (WHITE)</b>	12mm(W) × 16m (17.5y) (L)/PC
<b>LM-TP512Y (YELLOW)</b>	12mm(W) × 8m (8.7y) (L)/PC

### MARKABLE SLIDE PLATE

Markable Plastic Plate for Terminal block labeling.

<b>LM-KM4107</b>	φ wide10.7mm×thickness0.5mm×25m(27.3y)/roll
------------------	---

### \*L Tube (Vynyl(PVC)/Drum roll)

\*Not UL certified

<b>LM-TU425L2 WHITE</b>	φ 2.5mm×250m(273.4y)/ROLL
<b>LM-TU427L2 WHITE</b>	φ 2.7mm×250m(273.4y)/ROLL
<b>LM-TU432L2 WHITE</b>	φ 3.2mm×250m(273.4y)/ROLL
<b>LM-TU434L2 WHITE</b>	φ 3.4mm×250m(273.4y)/ROLL
<b>LM-TU436L2 WHITE</b>	φ 3.6mm×250m(273.4y)/ROLL
<b>LM-TU442L WHITE</b>	φ 4.2mm×200m(218.7y)/ROLL
<b>LM-TU452L WHITE</b>	φ 5.2mm×135m(147.6y)/ROLL
<b>LM-TU464L WHITE</b>	φ 6.4mm×100m(109.4y)/ROLL
<b>LM-TU480L WHITE</b>	φ 8.0mm×70m(76.6y)/ROLL

### \*N Tube (UL224/E171616/105°C/600V)

<b>LM-TU332N2 WHITE</b>	φ 3.2mm×100m(109.4y)/ROLL
<b>LM-TU336N2 WHITE</b>	φ 3.6mm×100m(109.4y)/ROLL
<b>LM-TU342N2 WHITE</b>	φ 4.2mm×80m(87.5y)/ROLL
<b>LM-TU352N2 WHITE</b>	φ 5.2mm×80m(87.5y)/ROLL

### ID Plate (w4.1mm X t1.0mm)

<b>LM-ID PLATE4110</b>	White, 20m(21.9y)/reel
------------------------	------------------------

**PC REQUIREMENTS** For Windows 11 / 10 / 8.1 / 8 / 7 operating systems. Windows® is a registered trademark of Microsoft Corporation(US) in U.S.A. or other countries.

\*The specifications and design of products in this catalog will be subject to change without advance notice of our products due to our continuous efforts to improve quality.



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