



## HL Cable Marker

HL Cable Markers are flat, non-adhesive labels that can be used to identify large cables and wire bundles in particularly aggressive environments. Cable Markers can be applied post cable termination using cable ties.

Manufactured using a specially developed radiation cross-linked flame retarded polymer. Typical installations include mass transit, Military and Aerospace.

Presented as organised markers assembled onto either a fanfold or reeled paper carrier to allow for greater range of printing formats and kitting.

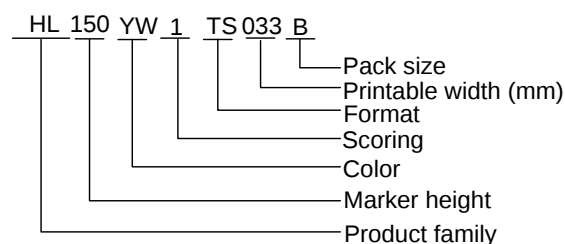
### KEY FEATURES

- Highly flame resistant (Excellent resistance to burning - Oxygen Index 35%)
- Resistant to key industrial and military grade fluids (defined by RW-2513)
- Available in several height/width combinations, and non-standard color options

### APPLICATIONS

- Post termination cable identification
- Identification of large cables, wire bundles or pipework
- Installation friendly – easy to replace, ideal for retrofitting and repairs. Only tie wraps are needed.
- Mass transit, Rail, Aerospace, Marine, Military and Industrial

### PART DESCRIPTION



### TEMPERATURE RATING

Operating Temperature Range -55°C to 135°C (-67°F to 275°F)

### ENVIRONMENTAL

The Cable Marker, including the print, does not promote mould growth (ASTM G21 / 28 days – zero rating)

Does not migrate materials which will damage or corrode the surrounding environment, including the conductor

Further information and a downloadable declaration covering RoHS and REACH compliance can be found at the TE Product Compliance Support Centre:

<http://www.te.com/en/resources/product-compliance.html>

### SPECIFICATIONS / APPROVALS

#### TE Connectivity Standard

- RW-2513

#### Industrial

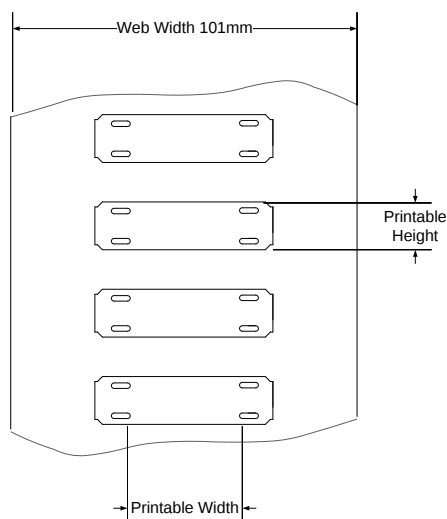
- EN45545-2 'Hazard Classification 3' Requirement Set R24

Where possible, TE have tested product as a finished item, including the print. Operational tests are followed by an assessment of mark adherence to validate fit form and function. Further details can be found in TE standard RW-2539.

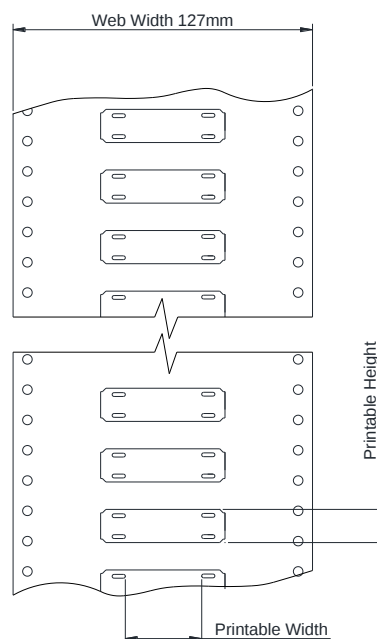
## ORDERING INFORMATION

## AVAILABLE FORMATS

## HL Cable Marker



Typical layout for HL\*\*\*\*\*TS



Typical layout for HL\*\*\*\*\*NF

### Part Description

### Marker Dimensions (Width x Height)

### Printable Area (Width x Height)

### Pack Size

NF TS

|                               | mm          | Inches     | mm        | Inches     |     |      |
|-------------------------------|-------------|------------|-----------|------------|-----|------|
| HL104 <COLOR> 1 <FORMAT> 025B | 45.0 x 10.4 | 1.80 x 0.4 | 25 x 10.4 | 1.00 x 0.4 | 550 | 1000 |
| HL104 <COLOR> 1 <FORMAT> 033B | 52.0 x 10.4 | 2.10 x 0.4 | 33 x 10.4 | 1.30 x 0.4 | 550 | 1000 |
| HL104 <COLOR> 1 <FORMAT> 038B | 58.0 x 10.4 | 2.30 x 0.4 | 38 x 10.4 | 1.50 x 0.4 | 550 | 1000 |
| HL104 <COLOR> 1 <FORMAT> 050B | 70.0 x 10.4 | 2.75 x 0.4 | 50 x 10.4 | 2.00 x 0.4 | 550 | 1000 |
| HL104 <COLOR> 1 <FORMAT> 070B | 90.0 x 10.4 | 3.50 x 0.4 | 70 x 10.4 | 2.75 x 0.4 | 550 | 1000 |
| HL150 <COLOR> 1 <FORMAT> 025B | 45.0 x 15.0 | 1.80 x 0.6 | 25 x 15.0 | 1.00 x 0.6 | 550 | 500  |
| HL150 <COLOR> 1 <FORMAT> 033B | 52.0 x 15.0 | 2.10 x 0.6 | 33 x 15.0 | 1.30 x 0.6 | 550 | 500  |
| HL150 <COLOR> 1 <FORMAT> 038B | 58.0 x 15.0 | 2.30 x 0.6 | 38 x 15.0 | 1.50 x 0.6 | 550 | 500  |
| HL150 <COLOR> 1 <FORMAT> 050B | 70.0 x 15.0 | 2.75 x 0.6 | 50 x 15.0 | 2.00 x 0.6 | 550 | 500  |
| HL150 <COLOR> 1 <FORMAT> 070B | 90.0 x 15.0 | 3.50 x 0.6 | 70 x 15.0 | 2.75 x 0.6 | 550 | 500  |
| HL203 <COLOR> 1 <FORMAT> 025B | 45.0 x 20.3 | 1.80 x 0.8 | 25 x 20.3 | 1.00 x 0.8 | 550 | 500  |
| HL203 <COLOR> 1 <FORMAT> 033B | 52.0 x 20.3 | 2.10 x 0.8 | 33 x 20.3 | 1.30 x 0.8 | 550 | 500  |
| HL203 <COLOR> 1 <FORMAT> 038B | 58.0 x 20.3 | 2.30 x 0.8 | 38 x 20.3 | 1.50 x 0.8 | 550 | 500  |
| HL203 <COLOR> 1 <FORMAT> 050B | 70.0 x 20.3 | 2.75 x 0.8 | 50 x 20.3 | 2.00 x 0.8 | 550 | 500  |
| HL203 <COLOR> 1 <FORMAT> 070B | 90.0 x 20.3 | 3.50 x 0.8 | 70 x 20.3 | 2.75 x 0.8 | 550 | 500  |
| HL253 <COLOR> 1 <FORMAT> 025B | 45.0 x 25.3 | 1.80 x 1.0 | 25 x 25.3 | 1.00 x 1.0 | 300 | 250  |
| HL253 <COLOR> 1 <FORMAT> 033B | 52.0 x 25.3 | 2.10 x 1.0 | 33 x 25.3 | 1.30 x 1.0 | 300 | 250  |
| HL253 <COLOR> 1 <FORMAT> 038B | 58.0 x 25.3 | 2.30 x 1.0 | 38 x 25.3 | 1.50 x 1.0 | 300 | 250  |
| HL253 <COLOR> 1 <FORMAT> 050B | 70.0 x 25.3 | 2.75 x 1.0 | 50 x 25.3 | 2.00 x 1.0 | 300 | 250  |

## HL Cable Marker

### OPTIONS

|                           |                                                           |                                              |        |
|---------------------------|-----------------------------------------------------------|----------------------------------------------|--------|
| Prescoring                | Not available on this item - always set to '1'            |                                              |        |
| Pack sizes                | Standard pack sizes only on this item - always set to 'B' |                                              |        |
| Colors                    | Standard                                                  | White                                        | Yellow |
|                           | Code                                                      | WE                                           | YW     |
|                           | Non standard                                              | Red                                          | Blue   |
|                           |                                                           | RD                                           | BE     |
| Format                    | NF                                                        | Dot Matrix Printing (fanfold - single sided) |        |
|                           | TS                                                        | Thermal Transfer (reel - single sided)       |        |
| Printable width on marker | 025                                                       | 25mm (1 inch)                                |        |
|                           | 033                                                       | 33mm (1.3 inches)                            |        |
|                           | 038                                                       | 38mm (1.5 inches)                            |        |
|                           | 050                                                       | 50mm (2 inches)                              |        |
|                           | 070                                                       | 70mm (2.75 inches)                           |        |

Ordering information: Specify product name, marker height, color, scoring option (always 1), format, printable width and pack size (always B) e.g. HL150YW1NF033B.

### PRINTER INFORMATION

Print Quality and Print Performance can only be guaranteed when specific TE printer and ribbons are used.

The current list of printers and ribbons can be found in TE document 411-121005 '**Identification Printer Product Ribbon Matrix**'

This document can be found at the TE document centre:  
<http://www.te.com/commerce/DocumentDelivery/DDEController>

### SOFTWARE

Cable Markers are fully supported by WINTOTAL and PrintEasy label printing software, available from the TE product store:

<http://www.te.com/en/general/label-printing-software.html>

Contact a TE representative for further information

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