

## HL Flame retardant tie-on cable marker tags

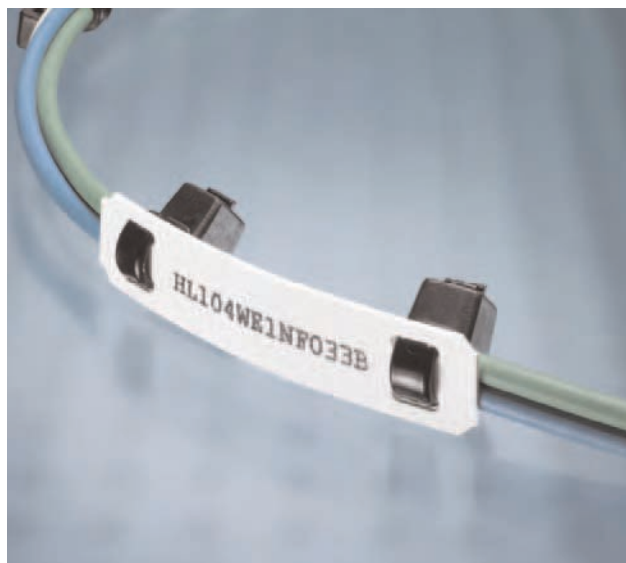
Used to identify large cables and bundles either pre or post-termination, these flame retardant HL cable markers are suitable for use in environments with temperatures of  $-55^{\circ}\text{C}$  to  $+135^{\circ}\text{C}$  ( $-67^{\circ}\text{F}$  to  $+275^{\circ}\text{F}$ ). The markers are easily applied with standard cable ties.

HL markers are presented as organized markers assembled onto either a fanfolded or reeled paper carrier for ease of selection and kitting and are available in an extensive range of sizes.

They are available with the surface designed for either dot matrix or thermal transfer printers.

### Features and benefits

- Recommended for use where de-termination of wires is not possible for large ID wires or wire bundles
- Heat resistant to  $+175^{\circ}\text{C}$  for 168 hours or  $+250^{\circ}\text{C}$  for 4 hours with no deterioration in properties
- Several printable widths and heights available
- Non-standard color options available



### Temperature rating

|                             |                                                 |                                                 |
|-----------------------------|-------------------------------------------------|-------------------------------------------------|
| Operating temperature range | $-55^{\circ}\text{C}$ to $+135^{\circ}\text{C}$ | $-67^{\circ}\text{F}$ to $+275^{\circ}\text{F}$ |
|-----------------------------|-------------------------------------------------|-------------------------------------------------|

### Specifications/approvals

|                  |                         |
|------------------|-------------------------|
| Tyco Electronics | TTDS-037                |
| Military         | SAE AS81531 4.6.2       |
|                  | MIL-STD-202 Method 215J |
| Industry         | ASTM D 2671             |

### Printer information

|                          |                                          |
|--------------------------|------------------------------------------|
| Tyco Electronics printer | AM 6310 (dot matrix)                     |
|                          | T312M (thermal transfer)                 |
| Tyco Electronics ribbon  | 1892BK04 (dot matrix)                    |
|                          | 1892BK03 (dot matrix — high performance) |
|                          | TMS-RJS-RIBBON-4RPSCE                    |

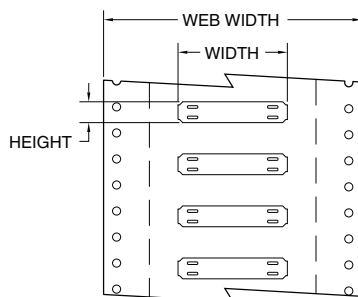
### Part numbering system

|    |     |    |   |    |     |   |                      |
|----|-----|----|---|----|-----|---|----------------------|
| HL | 150 | YW | 1 | NF | 033 | B |                      |
|    |     |    |   |    |     |   | Pack size            |
|    |     |    |   |    |     |   | Printable width (mm) |
|    |     |    |   |    |     |   | Format               |
|    |     |    |   |    |     |   | Scoring              |
|    |     |    |   |    |     |   | Color                |
|    |     |    |   |    |     |   | Marker height        |
|    |     |    |   |    |     |   | Product family       |

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## HL Flame retardant tie-on cable marker tags

### Ordering information



### Available sizes and formats

| Ordering description      | Marker dimensions (W x H) |               | Printable area (W x H) |               | Pack size |      |
|---------------------------|---------------------------|---------------|------------------------|---------------|-----------|------|
|                           | mm                        | inches        | mm                     | inches        | NF        | TS   |
| HL104<color>1<format>025B | 45.00 x 10.40             | 1.800 x 0.400 | 25.00 x 10.40          | 1.000 x 0.400 | 550       | 1000 |
| HL104<color>1<format>033B | 52.00 x 10.40             | 2.100 x 0.400 | 33.00 x 10.40          | 1.300 x 0.400 | 550       | 1000 |
| HL104<color>1<format>038B | 58.00 x 10.40             | 2.300 x 0.400 | 38.00 x 10.40          | 1.500 x 0.400 | 550       | 1000 |
| HL104<color>1<format>050B | 70.00 x 10.40             | 2.750 x 0.400 | 50.00 x 10.40          | 2.000 x 0.400 | 550       | 1000 |
| HL104<color>1<format>070B | 90.00 x 10.40             | 3.500 x 0.400 | 70.00 x 10.40          | 2.750 x 0.400 | 550       | 1000 |
| HL150<color>1<format>025B | 45.00 x 15.00             | 1.800 x 0.600 | 25.00 x 15.00          | 1.000 x 0.600 | 550       | 500  |
| HL150<color>1<format>033B | 52.00 x 15.00             | 2.100 x 0.600 | 33.00 x 15.00          | 1.300 x 0.600 | 550       | 500  |
| HL150<color>1<format>038B | 58.00 x 15.00             | 2.300 x 0.600 | 38.00 x 15.00          | 1.500 x 0.600 | 550       | 500  |
| HL150<color>1<format>050B | 70.00 x 15.00             | 2.750 x 0.600 | 50.00 x 15.00          | 2.000 x 0.600 | 550       | 500  |
| HL150<color>1<format>070B | 90.00 x 15.00             | 3.500 x 0.600 | 70.00 x 15.00          | 2.750 x 0.600 | 550       | 500  |
| HL203<color>1<format>025B | 45.00 x 20.30             | 1.800 x 0.800 | 25.00 x 20.30          | 1.000 x 0.800 | 550       | 500  |
| HL203<color>1<format>033B | 52.00 x 20.30             | 2.100 x 0.800 | 33.00 x 20.30          | 1.300 x 0.800 | 550       | 500  |
| HL203<color>1<format>038B | 58.00 x 20.30             | 2.300 x 0.800 | 38.00 x 20.30          | 1.500 x 0.800 | 550       | 500  |
| HL203<color>1<format>050B | 70.00 x 20.30             | 2.750 x 0.800 | 50.00 x 20.30          | 2.000 x 0.800 | 550       | 500  |
| HL203<color>1<format>070B | 90.00 x 20.30             | 3.500 x 0.800 | 70.00 x 20.30          | 2.750 x 0.800 | 550       | 500  |
| HL253<color>1<format>025B | 45.00 x 25.30             | 1.800 x 1.000 | 25.00 x 25.30          | 1.000 x 1.000 | 300       | 250  |
| HL253<color>1<format>033B | 52.00 x 25.30             | 2.100 x 1.000 | 33.00 x 25.30          | 1.300 x 1.000 | 300       | 250  |
| HL253<color>1<format>038B | 58.00 x 25.30             | 2.300 x 1.000 | 38.00 x 25.30          | 1.500 x 1.000 | 300       | 250  |
| HL253<color>1<format>050B | 70.00 x 25.30             | 2.750 x 1.000 | 50.00 x 25.30          | 2.000 x 1.000 | 300       | 250  |
| HL253<color>1<format>070B | 90.00 x 25.30             | 3.500 x 1.000 | 70.00 x 25.30          | 2.750 x 1.000 | 300       | 250  |

### Options

|                           |                                                            |              |        |
|---------------------------|------------------------------------------------------------|--------------|--------|
| Prescoring                | Not available on these products – this should always be 1. |              |        |
| Package sizes             | Standard                                                   | B            |        |
| Colors                    | Standard                                                   | White        | Yellow |
|                           | Code                                                       | WE           | YW     |
|                           | Nonstandard                                                | Red          | Blue   |
|                           | Code                                                       | RD           | BE     |
| Format                    | NF – Dot matrix printing (fanfold/single sided)            |              |        |
|                           | TS – Thermal transfer (reel/single sided)                  |              |        |
| Printable Width On Marker | 025                                                        | 25mm (1")    |        |
|                           | 033                                                        | 33mm (1.3")  |        |
|                           | 038                                                        | 38mm (1.5")  |        |
|                           | 050                                                        | 50mm (2")    |        |
|                           | 070                                                        | 70mm (2.75") |        |

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

Ordering example: HL150YW1NF033B

# Mouser Electronics

Authorized Distributor

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[HL104YW1NF033B](#)