



## HLX Cable Marker

HLX Cable Markers are flat, non-adhesive labels that can be used to identify large cables and wire bundles in particularly aggressive environments. Presented as organised markers assembled onto a reel. Cable markers can be applied post cable termination using cable ties.

Manufactured using a specially developed radiation cross-linked polymer. Formulated to give **Low Fire Hazard** properties, which allow this product to be used in locations where fire may pose a risk to human life, and property. Typical installations include underground railways and mass transit.

This Cable marker is printed using thermal transfer technology.

### KEY FEATURES

- Zero Halogen
- Low toxic fumes
- Low Smoke
- Self-extinguishing
- Resistant to key industrial and rail fluids (defined by RW-2523)
- Excellent resistance to burning  
- typical LOI 39%

### APPLICATIONS

- Post termination cable identification
- Identification of large cables, wire bundles or pipework
- Installation friendly – easy to replace, ideal for retrofitting and repairs. Only Cable ties are needed.
- Particularly suitable for locations with a fire risk to human life or equipment
- Mass transit, Rail, Aerospace, Marine and Industrial

### PART DESCRIPTION

|        |     |    |                      |
|--------|-----|----|----------------------|
| HLX150 | YW1 | TS | 033B                 |
|        |     |    | Pack size            |
|        |     |    | Printable width (mm) |
|        |     |    | Format               |
|        |     |    | Scoring              |
|        |     |    | Color                |
|        |     |    | Marker height (mm)   |
|        |     |    | Product Family       |

### TEMPERATURE RATING

Operating Temperature Range -40°C to 105°C (-40°F to 221°F)

### ENVIRONMENTAL

Does not contain any declarable or prohibited substances from the UNIFE Railway Industry Substances List

No Halogens, Sulphur, Nitrogen, Phosphorus and Cadmium sources above trace level

Does not promote mould growth (ASTM G21 – zero rating)

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-2523

#### Industrial

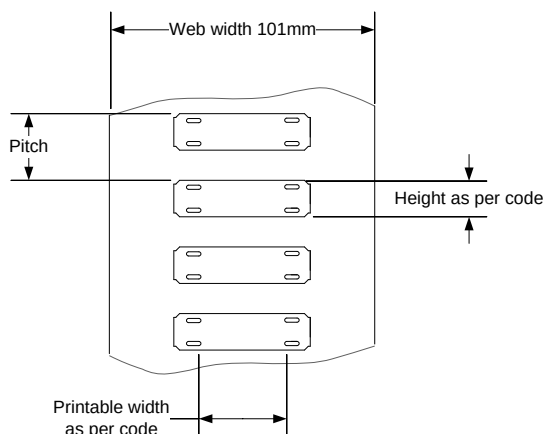
- London Underground 1-085, Fire Safety Performance of Materials 'Limited, dispersed usage'
- Registered for London Underground Product Acceptance and Registration, revision S1011 A2: <http://www.lu-apr.co.uk>
- EN45545-2 'Hazard Classification 3' Requirement Set R24
- BS6853 'Vehicle Category Ia'  
Interior minor use materials of mass 100g to 500g
- NF F 16-101 Railway rolling stock, fire behaviour, choice of materials: Classification A1

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-2523.

## ORDERING INFORMATION

## HLX Cable Marker

### AVAILABLE FORMAT



### OPTIONS

|                                  |                                              |                    |        |
|----------------------------------|----------------------------------------------|--------------------|--------|
| <b>Prescoring</b>                | Not available on this item - always set to 1 |                    |        |
| <b>Pack sizes</b>                | Standard - always set to 'B'                 |                    |        |
| <b>Colors</b>                    | Standard                                     | White              | Yellow |
|                                  | Code                                         | WE                 | YW     |
|                                  | Non standard                                 | Red                | Blue   |
|                                  | Code                                         | RD                 | BE     |
| <b>Printable width on marker</b> | 025                                          | 25mm (1 inch)      |        |
|                                  | 033                                          | 33mm (1.3 inches)  |        |
|                                  | 038                                          | 38mm (1.5 inches)  |        |
|                                  | 050                                          | 50mm (2 inches)    |        |
|                                  | 070                                          | 70mm (2.75 inches) |        |

The format reference for this product is TS. This product is for thermal transfer printing only.

Ordering information: Specify product name, marker height, color, scoring option (always 1), format (always TS), printable width and pack size (always B), e.g. HLX150YW1TS033B.

| Part Description     | Marker Dimensions<br>(Width x Height) |             | Printable Area<br>(Width x Height) |             | Pitch |        | Number of<br>markers<br>per page | Number of<br>markers<br>per pack |
|----------------------|---------------------------------------|-------------|------------------------------------|-------------|-------|--------|----------------------------------|----------------------------------|
|                      | mm                                    | Inches      | mm                                 | Inches      | mm    | Inches |                                  |                                  |
| HLX104<color>1TS025B | 45 x 10.4                             | 1.77 x 0.41 | 25 x 10.4                          | 0.98 x 0.41 | 12.7  | 0.5    | 20                               | 1000                             |
| HLX104<color>1TS033B | 53 x 10.4                             | 2.09 x 0.41 | 33 x 10.4                          | 1.30 x 0.41 | 12.7  | 0.5    | 20                               | 1000                             |
| HLX104<color>1TS038B | 58 x 10.4                             | 2.28 x 0.41 | 38 x 10.4                          | 1.50 x 0.41 | 12.7  | 0.5    | 20                               | 1000                             |
| HLX104<color>1TS050B | 70 x 10.4                             | 2.76 x 0.41 | 50 x 10.4                          | 1.97 x 0.41 | 12.7  | 0.5    | 20                               | 1000                             |
| HLX104<color>1TS070B | 90 x 10.4                             | 3.54 x 0.41 | 70 x 10.4                          | 2.76 x 0.41 | 12.7  | 0.5    | 20                               | 1000                             |
| HLX150<color>1TS025B | 45 x 15.0                             | 1.77 x 0.59 | 25 x 15.0                          | 0.98 x 0.59 | 25.4  | 1.0    | 10                               | 500                              |
| HLX150<color>1TS033B | 53 x 15.0                             | 2.09 x 0.59 | 33 x 15.0                          | 1.30 x 0.59 | 25.4  | 1.0    | 10                               | 500                              |
| HLX150<color>1TS038B | 58 x 15.0                             | 2.28 x 0.59 | 38 x 15.0                          | 1.50 x 0.59 | 25.4  | 1.0    | 10                               | 500                              |
| HLX150<color>1TS050B | 70 x 15.0                             | 2.76 x 0.59 | 50 x 15.0                          | 1.97 x 0.59 | 25.4  | 1.0    | 10                               | 500                              |
| HLX150<color>1TS070B | 90 x 15.0                             | 3.54 x 0.59 | 70 x 15.0                          | 2.76 x 0.59 | 25.4  | 1.0    | 10                               | 500                              |
| HLX203<color>1TS025B | 45 x 20.3                             | 1.77 x 0.80 | 25 x 20.3                          | 0.98 x 0.80 | 25.4  | 1.0    | 10                               | 500                              |
| HLX203<color>1TS033B | 53 x 20.3                             | 2.09 x 0.80 | 33 x 20.3                          | 1.30 x 0.80 | 25.4  | 1.0    | 10                               | 500                              |
| HLX203<color>1TS038B | 58 x 20.3                             | 2.28 x 0.80 | 38 x 20.3                          | 1.50 x 0.80 | 25.4  | 1.0    | 10                               | 500                              |
| HLX203<color>1TS050B | 70 x 20.3                             | 2.76 x 0.80 | 50 x 20.3                          | 1.97 x 0.80 | 25.4  | 1.0    | 10                               | 500                              |
| HLX203<color>1TS070B | 90 x 20.3                             | 3.54 x 0.80 | 70 x 20.3                          | 2.76 x 0.80 | 25.4  | 1.0    | 10                               | 500                              |
| HLX253<color>1TS025B | 45 x 25.3                             | 1.77 x 1.00 | 25 x 25.3                          | 0.98 x 1.00 | 50.8  | 2.0    | 5                                | 250                              |
| HLX253<color>1TS033B | 53 x 25.3                             | 2.09 x 1.00 | 33 x 25.3                          | 1.30 x 1.00 | 50.8  | 2.0    | 5                                | 250                              |
| HLX253<color>1TS038B | 58 x 25.3                             | 2.28 x 1.00 | 38 x 25.3                          | 1.50 x 1.00 | 50.8  | 2.0    | 5                                | 250                              |
| HLX253<color>1TS050B | 70 x 25.3                             | 2.76 x 1.00 | 50 x 25.3                          | 1.97 x 1.00 | 50.8  | 2.0    | 5                                | 250                              |
| HLX253<color>1TS070B | 90 x 25.3                             | 3.54 x 1.00 | 70 x 25.3                          | 2.76 x 1.00 | 50.8  | 2.0    | 5                                | 250                              |

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### PRINTER INFORMATION

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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

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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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