

TECHNICAL DATA SHEET

TE Document: TTDS-037

Issue: 4

Date: April 2014



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

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

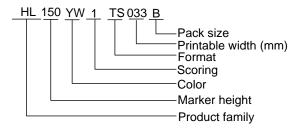
TE Connectivity Standard

RW-2513

Industrial

EN45545-2 'Hazard Classification 3' Requirement Set R24

PART DESCRIPTION



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.



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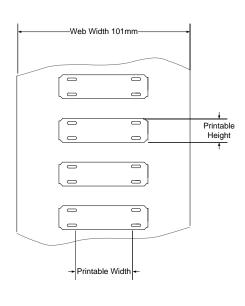
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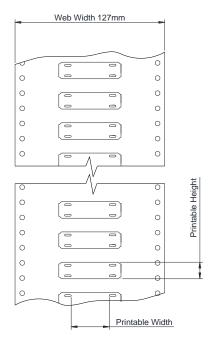
Date: April 2014

ORDERING INFORMATION

AVAILABLE FORMATS

HL Cable Marker





Typical layout for HL****TS

Typical layout for HL****NF

Marker Dimensions (Width x Height)		Printable Area (Width x Height)		Pack Size	
				NF	TS
mm	Inches	mm	Inches		
45.0 x 10.4	1.80 x 0.4	25 x 10.4	1.00 x 0.4	550	1000
52.0 x 10.4	2.10 x 0.4	33 x 10.4	1.30 x 0.4	550	1000
58.0 x 10.4	2.30 x 0.4	38 x 10.4	1.50 x 0.4	550	1000
70.0 x 10.4	2.75 x 0.4	50 x 10.4	2.00 x 0.4	550	1000
90.0 x 10.4	3.50 x 0.4	70 x 10.4	2.75 x 0.4	550	1000
45.0 x 15.0	1.80 x 0.6	25 x 15.0	1.00 x 0.6	550	500
52.0 x 15.0	2.10 x 0.6	33 x 15.0	1.30 x 0.6	550	500
58.0 x 15.0	2.30 x 0.6	38 x 15.0	1.50 x 0.6	550	500
70.0 x 15.0	2.75 x 0.6	50 x 15.0	2.00 x 0.6	550	500
90.0 x 15.0	3.50 x 0.6	70 x 15.0	2.75 x 0.6	550	500
45.0 x 20.3	1.80 x 0.8	25 x 20.3	1.00 x 0.8	550	500
52.0 x 20.3	2.10 x 0.8	33 x 20.3	1.30 x 0.8	550	500
58.0 x 20.3	2.30 x 0.8	38 x 20.3	1.50 x 0.8	550	500
70.0 x 20.3	2.75 x 0.8	50 x 20.3	2.00 x 0.8	550	500
90.0 x 20.3	3.50 x 0.8	70 x 20.3	2.75 x 0.8	550	500
45.0 x 25.3	1.80 x 1.0	25 x 25.3	1.00 x 1.0	300	250
52.0 x 25.3	2.10 x 1.0	33 x 25.3	1.30 x 1.0	300	250
58.0 x 25.3	2.30 x 1.0	38 x 25.3	1.50 x 1.0	300	250
70.0 x 25.3	2.75 x 1.0	50 x 25.3	2.00 x 1.0	300	250
	mm 45.0 x 10.4 52.0 x 10.4 58.0 x 10.4 70.0 x 10.4 90.0 x 10.4 45.0 x 15.0 52.0 x 15.0 70.0 x 15.0 90.0 x 15.0 45.0 x 20.3 52.0 x 20.3 58.0 x 20.3 70.0 x 20.3 90.0 x 20.3 45.0 x 25.3 58.0 x 25.3 58.0 x 25.3	mm Inches 45.0 x 10.4 1.80 x 0.4 52.0 x 10.4 2.10 x 0.4 58.0 x 10.4 2.30 x 0.4 70.0 x 10.4 2.75 x 0.4 90.0 x 10.4 3.50 x 0.4 45.0 x 15.0 1.80 x 0.6 52.0 x 15.0 2.10 x 0.6 58.0 x 15.0 2.30 x 0.6 70.0 x 15.0 2.75 x 0.6 90.0 x 15.0 3.50 x 0.6 45.0 x 20.3 1.80 x 0.8 52.0 x 20.3 2.10 x 0.8 58.0 x 20.3 2.30 x 0.8 70.0 x 20.3 2.75 x 0.8 90.0 x 20.3 3.50 x 0.8 45.0 x 20.3 3.50 x 0.8 45.0 x 25.3 1.80 x 1.0 52.0 x 25.3 2.10 x 1.0	mm Inches mm 45.0 x 10.4 1.80 x 0.4 25 x 10.4 52.0 x 10.4 2.10 x 0.4 33 x 10.4 58.0 x 10.4 2.30 x 0.4 38 x 10.4 70.0 x 10.4 2.75 x 0.4 50 x 10.4 90.0 x 10.4 3.50 x 0.4 70 x 10.4 45.0 x 15.0 1.80 x 0.6 25 x 15.0 52.0 x 15.0 2.10 x 0.6 33 x 15.0 70.0 x 15.0 2.30 x 0.6 38 x 15.0 70.0 x 15.0 2.75 x 0.6 50 x 15.0 90.0 x 15.0 3.50 x 0.6 70 x 15.0 45.0 x 20.3 1.80 x 0.8 25 x 20.3 52.0 x 20.3 2.10 x 0.8 33 x 20.3 58.0 x 20.3 2.30 x 0.8 38 x 20.3 70.0 x 20.3 2.75 x 0.8 50 x 20.3 90.0 x 20.3 3.50 x 0.8 70 x 20.3 45.0 x 25.3 1.80 x 1.0 25 x 25.3 52.0 x 25.3 2.10 x 1.0 33 x 25.3 58.0 x 25.3 2.30 x 1.0 38 x 25.3	mm Inches mm Inches 45.0 x 10.4 1.80 x 0.4 25 x 10.4 1.00 x 0.4 52.0 x 10.4 2.10 x 0.4 33 x 10.4 1.30 x 0.4 58.0 x 10.4 2.30 x 0.4 38 x 10.4 1.50 x 0.4 70.0 x 10.4 2.75 x 0.4 50 x 10.4 2.00 x 0.4 90.0 x 10.4 3.50 x 0.4 70 x 10.4 2.75 x 0.4 45.0 x 15.0 1.80 x 0.6 25 x 15.0 1.00 x 0.6 52.0 x 15.0 2.10 x 0.6 33 x 15.0 1.30 x 0.6 58.0 x 15.0 2.30 x 0.6 38 x 15.0 1.50 x 0.6 70.0 x 15.0 2.75 x 0.6 50 x 15.0 2.00 x 0.6 90.0 x 15.0 3.50 x 0.6 70 x 15.0 2.75 x 0.6 45.0 x 20.3 1.80 x 0.8 25 x 20.3 1.00 x 0.8 52.0 x 20.3 2.10 x 0.8 33 x 20.3 1.30 x 0.8 52.0 x 20.3 2.30 x 0.8 38 x 20.3 1.50 x 0.8 70.0 x 15.0 2.75 x 0.8 50 x 20.3 2.00 x 0.8 90.0 x 20.3 2.30 x 0.8 38 x 20.3 <t< td=""><td>mm Inches mm Inches 45.0 x 10.4 1.80 x 0.4 25 x 10.4 1.00 x 0.4 550 52.0 x 10.4 2.10 x 0.4 33 x 10.4 1.30 x 0.4 550 58.0 x 10.4 2.30 x 0.4 38 x 10.4 1.50 x 0.4 550 70.0 x 10.4 2.75 x 0.4 50 x 10.4 2.00 x 0.4 550 90.0 x 10.4 3.50 x 0.4 70 x 10.4 2.75 x 0.4 550 45.0 x 15.0 1.80 x 0.6 25 x 15.0 1.00 x 0.6 550 52.0 x 15.0 2.10 x 0.6 33 x 15.0 1.30 x 0.6 550 58.0 x 15.0 2.30 x 0.6 38 x 15.0 1.50 x 0.6 550 58.0 x 15.0 2.30 x 0.6 38 x 15.0 1.50 x 0.6 550 70.0 x 15.0 2.75 x 0.6 50 x 15.0 2.00 x 0.6 550 90.0 x 15.0 3.50 x 0.6 70 x 15.0 2.75 x 0.6 550 45.0 x 20.3 1.80 x 0.8 25 x 20.3 1.00 x 0.8 550 52.0 x 20.3 2.10 x 0.8 33 x 20.3 1.30 x 0</td></t<>	mm Inches mm Inches 45.0 x 10.4 1.80 x 0.4 25 x 10.4 1.00 x 0.4 550 52.0 x 10.4 2.10 x 0.4 33 x 10.4 1.30 x 0.4 550 58.0 x 10.4 2.30 x 0.4 38 x 10.4 1.50 x 0.4 550 70.0 x 10.4 2.75 x 0.4 50 x 10.4 2.00 x 0.4 550 90.0 x 10.4 3.50 x 0.4 70 x 10.4 2.75 x 0.4 550 45.0 x 15.0 1.80 x 0.6 25 x 15.0 1.00 x 0.6 550 52.0 x 15.0 2.10 x 0.6 33 x 15.0 1.30 x 0.6 550 58.0 x 15.0 2.30 x 0.6 38 x 15.0 1.50 x 0.6 550 58.0 x 15.0 2.30 x 0.6 38 x 15.0 1.50 x 0.6 550 70.0 x 15.0 2.75 x 0.6 50 x 15.0 2.00 x 0.6 550 90.0 x 15.0 3.50 x 0.6 70 x 15.0 2.75 x 0.6 550 45.0 x 20.3 1.80 x 0.8 25 x 20.3 1.00 x 0.8 550 52.0 x 20.3 2.10 x 0.8 33 x 20.3 1.30 x 0



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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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