

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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TECHNICAL DATA SHEET

Document number: TTDS-134

Issue: 3

Date: September 2013

HLX-NEL (NARROW EDGE LEADING) LFH CABLE MARKERS

DESCRIPTION: Low Fire Hazard, UV stabilised, cross-linked polyolefine Cable

Markers, assembled in a Narrow Edge Leading (NEL) format. Consisting of a continuous strip formed into punched tie on Cable Markers. Cable Markers have perforated edges for easy removal

USE: Designed for identification of larger cables and wire bundles where the

volume or complexity of the wiring system is relatively low. Markers are printed by a computer-based system and are attached using cable ties. Ideal for applications where low fire hazard characteristics (low

smoke, low toxicity and low flammability) are critical

COLORS: White or Yellow

SERVICE TEMPERATURE: -40°C to +105°C (-40°F to +221°F)

SPECIFICATIONS AND APPROVALS:

TE CONNECTIVITY RW-2529 (Qualification Standard)

TTDS-134 (Technical Data Sheet)

MILITARY SAE AS5942 3.4.1. (Adherence)

MIL-STD-202 Method 215 (Resistance to Solvents)

INDUSTRY London Underground Standard 1-085 A3 Fire Safety Performance of

Materials: Limited, dispersed usage

EN45545-2 Requirements for fire behaviour of materials and

components: Hazard rating 3 (R24)

BS 6853 (1999): Vehicle category 1a

NF F 16-101 Railway rolling stock, fire behaviour, choice of materials:

Classification A1

SAE AS5942 3.4.1. Adherence

PRINTING SYSTEM: Refer to TE Connectivity Document 'Printer Product Ribbon Matrix

411-121005

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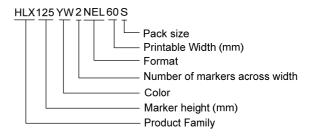
Issue: 3

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HLX-NEL (NARROW EDGE LEADING)

LFH CABLE MARKERS

PART NUMBER DESCRIPTION:



Refer to RW-2529 for available sizes and formats

Property	Unit	Test Method	Result
1. Physical			
TENSILE STRENGTH	MPa	ASTM D2671	7 Minimum
2. Fire Safety			
OXYGEN INDEX	%	BS EN ISO 4589-2: 1996	34 Minimum
SMOKE EMISSION, A0		BS6853:1999 Annex D.8.3.	0.017 Maximum
TOXIC FUME, R		NF X 70-100 Mass Based test Method	<1
LUL TOXIC FUME		1-085 A3 Fire Safety Performance of Materials	No Halogens, Phosphorus, Sulphur, or Nitrogen above trace level

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HLX-NEL (NARROW EDGE LEADING) LFH CABLE MARKERS

Property	Unit	Test Method	Result
3. Environmental			
MOULD GROWTH		BS EN 60068-2-10	Rating 2 Maximum
COLOR FASTNESS		BS 2782: Part 5: Method 540B using a Xenon arc discharge lamp	No colour change, legible
UV RESISTANCE • Tensile Strength	MPa	>90% of Original	Pass
Ultimate Elongation	%	>40% of Original	Pass
4. Print Permanence			
PRINT ADHERENCE, DRY RUB		SAE AS 5942, 20 rubs, 4Kg load	Legible, Pass
HEAT AGEING		175°C, 168 hours followed by SAE AS 5942, 20 rubs, 4Kg load	Legible, Pass
HEAT SHOCK		225°C, 4 hours followed by SAE AS 5942, 20 rubs, 4Kg load	Legible, Pass
RESISTANCE TO FLUIDS			
Aircraft Fuel (ISO 1817 Liquid B)		40°C, 24 hours, 25 wipes	Legible, Pass
Hydraulic Fluid (NATO H520)		50°C, 24 hours, 25 wipes	Legible, Pass
Phosphate Ester (ISO 1817 fluid 103)		70°C, 24 hours, 25 wipes	Legible, Pass
Silicone Hydraulic fluid (NATO S1714)		50°C, 24 hours, 25 wipes	Legible, Pass
De-Icing Fluid (Iso Propyl Alcohol)		40°C, 24 hours, 25 wipes	Legible, Pass

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