HS/HC

COMPUTERISED HEAT-SHRINK INDENTIFICATION

Technical Datasheet

TTDS-033 Revision 8 - October 2015

HS/HC Heat shrink markers are a range of flattened tubes arrange for easy printing through a selection of printers, carrier automated, notation on…

Manufactured using a specially developed radiation cross-linked, flame retarded material. Thin wall, flame retarded radiation cross-linked polyolefin heat-shrinkable tubing, assembled as organized cut sleeves on a paper carrier.

HS products are 2:1 shrink ratio. HC products are 3:1 shrink ratio.

HS/HC Heat Shrink Identification Marker Sleeving is available as part of a complete identification system. The system comprises specific printers, thermal transfer ribbons and WINTOTAL software.

Laser markable using industrial YAG laser

Features

- HS Available in sizes 2.4 up to 38.1
- HC Available in sizes 2.4 up to 39.0
- Computer based printing system
- Excellent resistance to common industrial fluids, as described in RW-2539

Temperature Rating

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

Applications

- Pre-Termination wire and cable identification.
- Identification of wire or cable diameters 1.4 to 16mm (0.055 to 0.63 inches).
- Rail
- Military and Aerospace
- Electronics, Mass transit and general Industrial uses.

Design For Environment

- The compound used for this product meets all current RoHS and REACH legislation.
- 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/usa-en/utilities/product-compliance.html

Specifications / Approvals

TE Connectivity Standard	**RW-2539**
Military	**AMS-DTL-23053/5 Class 1** - HS and HC product (except HC dimensions)
	MIL 202 Method 215 - Resistance to Solvents
	SAE AS5942 - Marking for Electrical Materials
Aerospace	**BS 4G 198 Part 3** - Resistance to fluids

Where possible, TE has 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

Part Description

HS 032 WE 2 TS 050 S

S	Pack Size
050	Sleeve Length
TS	Format
2	Number of pieces per sleeve length
WE	Sleeve Color
032	Sleeve Size
HS	Product Family

Options

Pre-Scoring	
Perforated or cut score to produce multiple marker sleeves per sleeve length	
Not Scored	Code 1
1 Score	Code 2
2 Scores	Code 3

Sleeve length	
38mm	Code 038
50mm	Code 050

Format		
Dot matrix single sided	Code	NF
Dot Matrix Double sided	Code	DS
Thermal transfer single sided	Code	TS
Thermal transfer double sided	Code	DT

Pack Sizes [1]		
Code	B = Bulk Pack	Dot Matrix Only
Code	X = Extra large	
Code	S = Standard	Thermal Transfer Only

[1]Number of sleeves is dependant on tube size

Color Codes

Code	Tube Color	Code	Tube Color
WE	White	GN	Green
YW	Yellow	BE	Blue
RD	Red	VT	Violet
OE	Orange	GY	Grey
BN	Brown	BK	Black

Sleeve Size Options (supplied diameter)

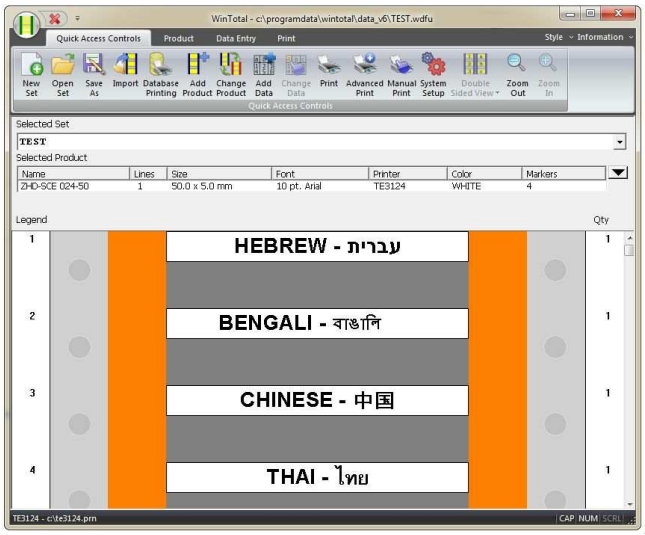
Code	HS	Code	HC
024	2.4mm	024	2.4mm
032	3.2	030	3.0
048	4.8	050	5.0
064	6.4	060	6.0
095	9.5	090	9.0
127	12.7	120	12.0
190	19.0	180	18.0
254	25.4	240	24.0
381	38.1	390	39.0

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 in ‘Access Our Tools’:

http://www.te.com/usa-en/utilities/access-product-tools-



Software

WINTOTAL[1] software, available to download for a 14 day evaluation period from the Identification Printer Software page:

http://www.te.com/usa-en/products/identification-labeling/printers-software.html

Contact a TE representative for further information

[1]WINTOTAL 5.4.04 must be used for Dot Matrix printing

www.te.com/rail

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