

HT-SCE

High Temperature

HEAT SHRINK IDENTIFICATION SYSTEM

Technical Datasheet

TTDS-020 Revision 5 - Dec' 2022

HT-SCE, High temperature, low vacuum outgassing, Heat shrink sleeves for the identification of wire and cables.

HT-SCE heat shrink identification sleeving is designed for use in high temperature applications or where extreme resistance to fuels, lubricants and cleaning solvents is required. HT-SCE is ideal for applications where low-vacuum outgassing is of high importance. These identification sleeves are made of highly flame retardant, heat-shrinkable fluoropolymer tubing.

HT-SCE 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.



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Features

- High Temperature
- Low Vacuum Outgassing
- Extreme Fluid Resistance
- · Self-extinguishing, non-flame propagating
- Resistant to key rail, industrial and military fluids (defined by RW-2512)
- · Designed for rugged environments
- · Military grade performance
- · Pre-termination Cable Identification
- Sleeve diameters from 2.4mm to 38.1mm
- Shrink ratio 2:1 (2.4mm 3:1)

Design for Environment

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

Temperature Rating

• -55°C (-67°F) to 225°C (437°F)

Shelf Life

 Refer to TE document 408-121006, Cable Identification Shelf Life Document

Applications















Specifications / Approvals

TE Connectivity Standard

RW-2512

Rail

EN45545-2, Hazard Classifications 1, 2 and 3, In accordance with requirement set R24

NFPA 130 Standard for Fixed Guideway Transit and Passenger Rail Systems, Fire protection requirements, Interior Fire Propagation Resistance

Federal Railroad Administration, DOT, Appendix B to Part 238, Test Methods and Performance Criteria for the Flammability and Smoke Emission Characteristics of Materials used in Passenger Cars and Locomotive Cabs

SHAZAINENNSHI, Japan Railway Rolling Stock & Machinery Association 2003 Classification 'Flame Retardant' Serial number 2015-167K

Military and Aerospace

ASTM E 595, Standard test Method for Total Mass Loss and Collected Volatile Condensable Materials from Outgassing in Vacuum Environment

Print Performance

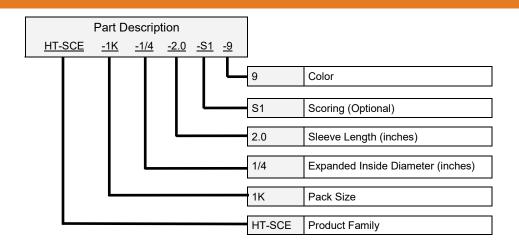
- MIL 202 Method 215, Resistance to Solvents
- SAE AS 5942, Marking of Electrical Insulating Materials, Adherence

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-2512.

connectivity

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CLASS 1 DATA CLASSIFICATION - SEE POLICY TEC-02-04

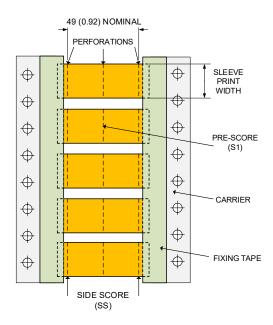


Available Options

	-									
Pre-scoring	Perforated score to produce multiple marker sleeves from each HT-SCE sleeve									
	1 Pre-score		Code	S1						
	2 Pre-scores		Code	S2						
Packaging sizes	<black></black>		250 piece packs available for all sizes							
	1K		1000 piece r to 25.4 (1)	eels available for all sizes up						
	2.5K		2500 piece r 4.8 (3/16) up	eels available for sizes to 25.4 (1)						
	2.5K 5K		5000 piece r 2.4 (3/32) an	eels available for sizes id 3.2 (1/8)						
Colors	Color	Yellow	White	Black						
	Code	4	9	0						
	Color	Blue	Pink							
	Code	6	2L							

Specify product name, pack size (leave blank for 250), sleeve size (in inches), sleeve length (always 2.0), pre-score (leave blank if not required) and color

Ordering Example: HT-SCE-1K-1/4-2.0-S1-9



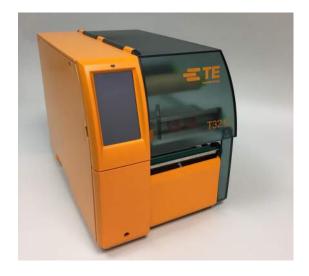
Dimensions in mm (inches)

Ordering Information

Ordering description		Inside diameter				Recommended cable diameter use					
		ıpplied	After recovery		range						
		(minimum)		(Maximum)		90					
		inches	mm inches		mm			inches			
HT-SCE - <pack size=""> - 3/32 - 2.0 - <score> - <color></color></score></pack>	2.36	0.093	0.79	0.031	0.80	to	1.90	0.031	to	0.075	
HT-SCE - <pack size=""> - 1/8 - 2.0 - <score> - <color></color></score></pack>	3.18	0.125	1.58	0.062	1.57	to	2.54	0.062	to	0.100	
HT-SCE - <pack size=""> - 3/16 - 2.0 - <score> - <color></color></score></pack>	4.75	0.187	2.38	0.094	2.40	to	3.84	0.094	to	0.151	
HT-SCE - <pack size=""> - 1/4 - 2.0 - <score> - <color></color></score></pack>	6.35	0.250	3.18	0.125	3.20	to	5.12	0.126	to	0.236	
HT-SCE - <pack size=""> - 3/8 - 2.0 - <score> - <color></color></score></pack>	9.53	0.375	4.76	0.188	4.75	to	7.60	0.177	to	0.299	
HT-SCE - <pack size=""> - 1/2 - 2.0 - <score> - <color></color></score></pack>	12.7	0.500	6.35	0.250	6.35	to 1	10.16	0.250	to	0.400	
HT-SCE - <pack size=""> - 3/4 - 2.0 - <score> - <color></color></score></pack>	19.0	0.750	9.53	0.375	9.53	to 1	15.52	0.335	to	0.600	
HT-SCE - <pack size=""> - 1 - 2.0 - <score> - <color></color></score></pack>	25.4	1.000	12.7	0.500	12.7	to 2	20.32	0.500	to	0.800	
HT-SCE - <pack size=""> - 1 -1/2 - 2.0 - <score> - <color></color></score></pack>	38.1	1.500	19.0	0.750	19.0	to 3	30.48	0.750	to	1.200	



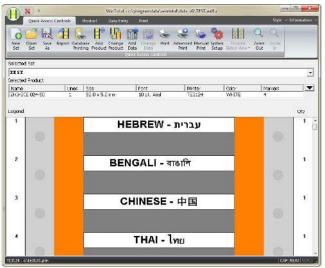
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Printer Information

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'.



Software

WINTOTAL 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-and-accessories/printing-software/wintotal.html?tab=pgp-story

Contact your local support representative for further information. Contact details can be found in TE Document 411-121057

Go to http://www.te.com and use the search tool to download documents



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