

# UV-SCE Ultra-Violet light, Resistant

Heat Shrink Identification Marker Sleeves

## **TECHNICAL DATASHEET**

TTDS-255 Revision 4, March 2015

# UV-SCE Ultra-Violet Light Resistant, Heat Shrink Identification Marker Sleeves for the identification of wires and cables.

UV-SCE is presented as cut sleeves organised in ladder format.

Manufactured using a specially developed radiation cross-linked, UV Resistant material. UV-SCE is designed specifically to allow customer to identify wires and cable in out door environments where some exposure to UV light is possible.

UV-SCE Heat Shrink Identification Marker Sleeves are available as part of a complete identification system. The system comprises specific printers, thermal transfer ribbons and WINTOTAL software.

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#### **Features**

- UV Resistant
- Good Temperature resistance
- Non-flame propagating

- Resistant to key rail and industrial fluids including diesel (defined by RW-2534)
- Sleeve diameters from 3/32 to 1-1/2 (2.4 to 38.1mm)
- Shrink ratio 3/32 is 3:1, all other sizes 2:1

#### Applications

- Pre-termination Cable Identification
- · Suitable for locations where there is potential for exposure to UV light
- Suitable for installations that require outstanding fluid resistance,.
- Rail, Mass transit, Aerospace, Marine, Heavy Industrial and Energy

#### **Temperature Rating**

• Operating Temperature Range -55°C to 200°C (-67°F to 392°F)

#### **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/en/resources/product-compliance.html

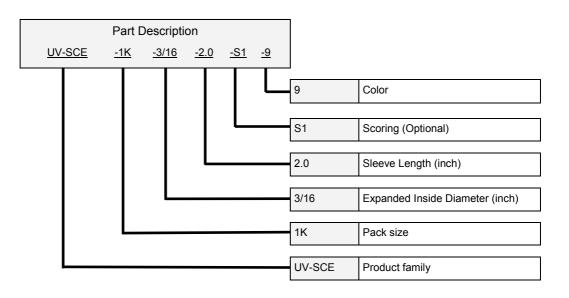
#### **Specifications / Approvals**

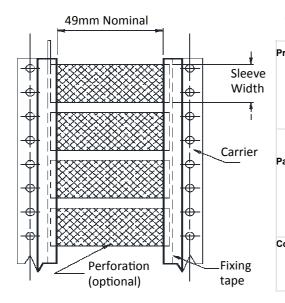
TE Connectivity Standard	RW-2534
Standards	EN45545-2 Requirements set R24, Hazard classification 3
	BS EN 60068-2-11: Environmental testing—Part 2: Test KA: Salt Mist
	<b>NFT N46-019, method A.</b> Thermoplastic or Vulcanised Rubber. Resistance to Cracking—Static Elongation Test.
	<b>IEC 60068-2-5, procedure B.</b> Environmental Testing Test SA: Simulated Solar Radiation at Ground Level and Guidance for Solar Radiation Testing

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-2534.

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### **Options**

re-scoring	Perforated score to produce multiple marker sleeves from each UV-SCE sleeve.								
	Not scored		Code	Blank					
	1 Pre-score		Code	S1					
	Other score options available on request								
ackaging sizes	<blank></blank>		250 piece packs available for all sizes						
	1K		1000 piece reels available for all sizes up to 1 inch						
olors	Code	Yellow 4	White 9						
	COUE	+	J						

Dimensions in mm (inches)

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 Information**

Ordering description		Inside diameter				Recommended cable diameter use				
		As supplied (minimum)		After recovery (Maximum)		range				
	mm	inches	mm	inches	mm		i	inches		
UV-SCE - <pack size=""> - 3/32 - 2.0 - <score> - <color></color></score></pack>	2.4	0.094	0.79	0.031	1.27	to 1.9	0.050	to	0.075	
UV-SCE - <pack size=""> - 1/8 - 2.0 - <score> - <color></color></score></pack>	3.2	0.126	1.57	0.062	1.77	to 2.6	6 0.069	to	0.105	
UV-SCE - <pack size=""> - 3/16 - 2.0 - <score> - <color></color></score></pack>	4.8	0.189	2.36	0.093	2.54	to 4.0	6 0.100	to	0.160	
UV-SCE - <pack size=""> - 1/4 - 2.0 - <score> - <color></color></score></pack>	6.4	0.250	3.18	0.125	3.81	to 5.4	6 0.150	to	0.215	
UV-SCE - <pack size=""> - 3/8 - 2.0 - <score> - <color></color></score></pack>	9.5	0.375	4.74	0.187	5.59	to 8.1	2 0.220	to	0.320	
UV-SCE - <pack size=""> - 1/2 - 2.0 - <score> - <color></color></score></pack>	12.7	0.500	6.35	0.250	6.99	to 10.7	9 0.275	to	0.425	
UV-SCE - <pack size=""> - 3/4 - 2.0 - <score> - <color></color></score></pack>	19.0	0.730	9.53	0.375	10.16	to 16.2	5 0.400	to	0.640	
UV-SCE - <pack size=""> - 1 - 2.0 - <score> - <color></color></score></pack>	25.4	1.000	12.70	0.500	14.29	to 21.5	9 0.563	to	0.850	
UV-SCE - 1-1/2 - 2.0 - <score> - <color></color></score>	38.1	1.500	19.05	0.750	20.95	to 33.0	2 0.825	to	1.300	

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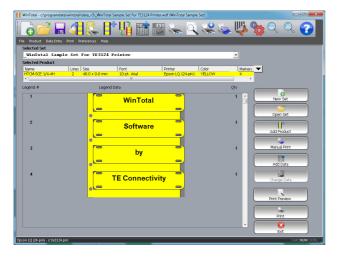


#### **Printer Information**

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'. This document can be found at the TE document centre:

http://www.te.com/commerce/DocumentDelivery/



#### Software

Heat Shrink Identification Sleeves 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

#### te.com

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 HDT1500-48A-BLK
 HDT-2000-48A 

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 156082-000
 MT5500-3/8-X-SP
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