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.

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

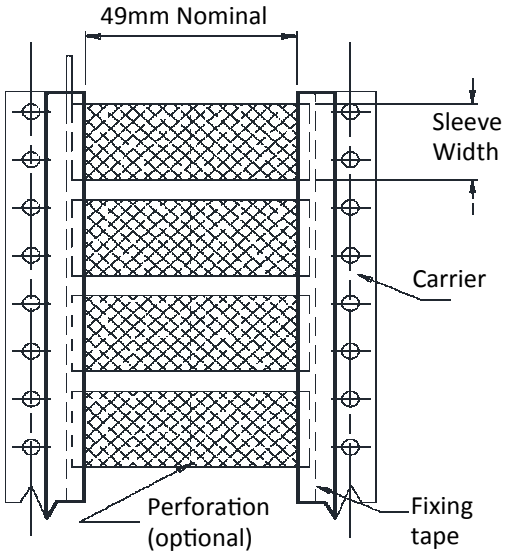
TE Connectivity Standard	**RW-2534**
Standards	**EN45545-2** Requirements set R24, Hazard classification 3
	BS EN 60068-2-11: Environmental testing—Part 2: Test KA: Salt Mist
	NFT N46-019, method A. Thermoplastic or Vulcanised Rubber. Resistance to Cracking—Static Elongation Test.
	IEC 60068-2-5, procedure 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.

Part Description

UV-SCE -1K -3/16 -2.0 -S1 -9

9	Color
S1	Scoring (Optional)
2.0	Sleeve Length (inch)
3/16	Expanded Inside Diameter (inch)
1K	Pack size
UV-SCE	Product family



Dimensions in mm (inches)

Options

Pre-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		
Packaging sizes	<blank>		250 piece packs available for all sizes
	1K		1000 piece reels available for all sizes up to 1 inch
Colors		Yellow	White
	Code	4	9

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

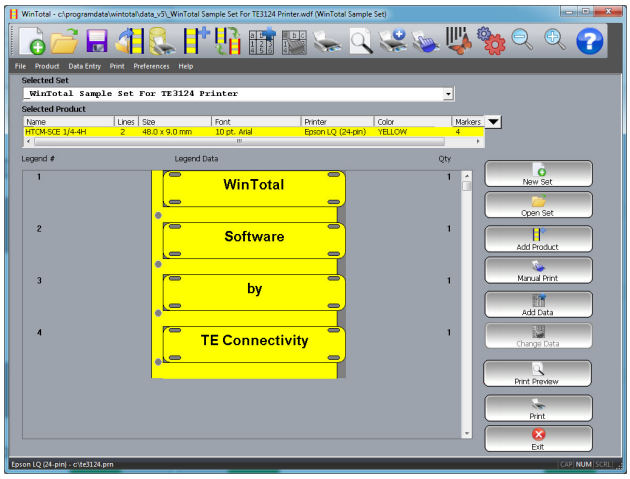
Ordering description	Inside diameter				Recommended cable diameter use range	
	As supplied (minimum)		After recovery (Maximum)			
	mm	inches	mm	inches	mm	inches
UV-SCE - <pack size> - 3/32 - 2.0 - <score> - <color>	2.4	0.094	0.79	0.031	1.27 to 1.90	0.050 to 0.075
UV-SCE - <pack size> - 1/8 - 2.0 - <score> - <color>	3.2	0.126	1.57	0.062	1.77 to 2.66	0.069 to 0.105
UV-SCE - <pack size> - 3/16 - 2.0 - <score> - <color>	4.8	0.189	2.36	0.093	2.54 to 4.06	0.100 to 0.160
UV-SCE - <pack size> - 1/4 - 2.0 - <score> - <color>	6.4	0.250	3.18	0.125	3.81 to 5.46	0.150 to 0.215
UV-SCE - <pack size> - 3/8 - 2.0 - <score> - <color>	9.5	0.375	4.74	0.187	5.59 to 8.12	0.220 to 0.320
UV-SCE - <pack size> - 1/2 - 2.0 - <score> - <color>	12.7	0.500	6.35	0.250	6.99 to 10.79	0.275 to 0.425
UV-SCE - <pack size> - 3/4 - 2.0 - <score> - <color>	19.0	0.730	9.53	0.375	10.16 to 16.25	0.400 to 0.640
UV-SCE - <pack size> - 1 - 2.0 - <score> - <color>	25.4	1.000	12.70	0.500	14.29 to 21.59	0.563 to 0.850
UV-SCE - 1-1/2 - 2.0 - <score> - <color>	38.1	1.500	19.05	0.750	20.95 to 33.02	0.825 to 1.300

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