



## 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**

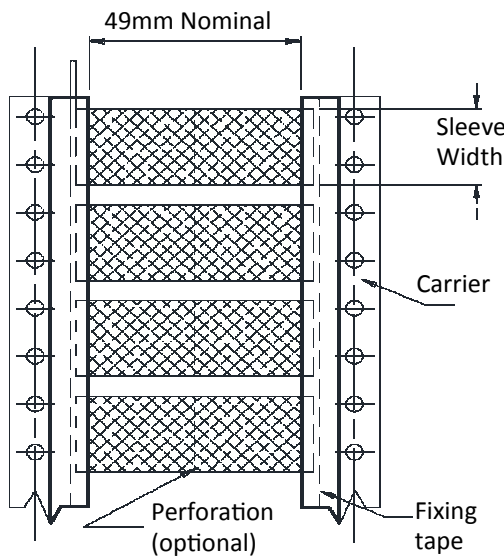
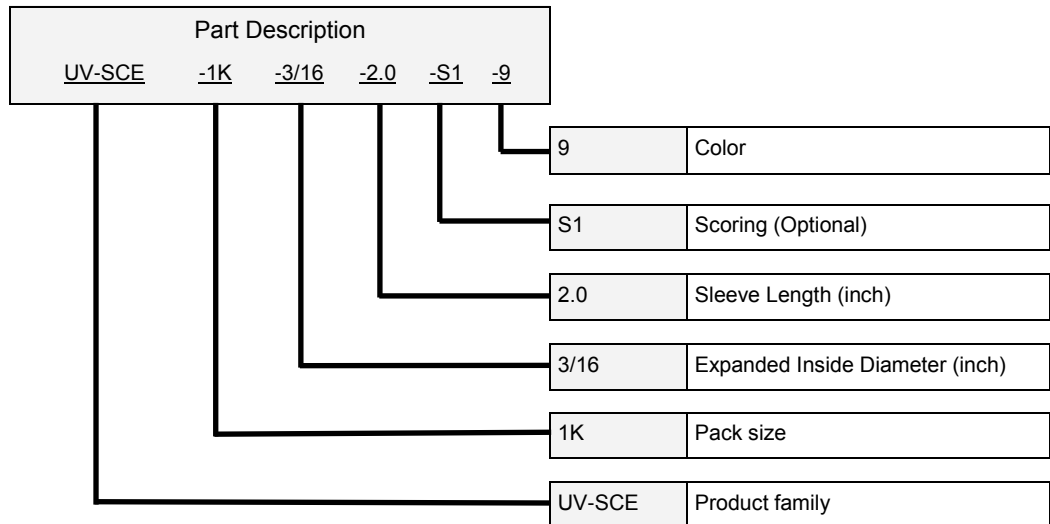
**Standards**     **EN45545-2** Requirements set R24, Hazard classification 3

**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.



### 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          | Code                                                                         | Yellow                                                | White |
|                 |                                                                              | 4                                                     | 9     |

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 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 |

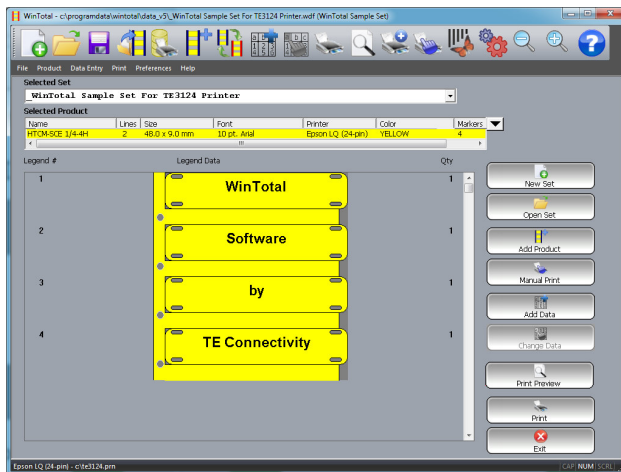


### Printer Information

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

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