D-SCE - DIESEL RESISTANT IDENTIFICATION SLEEVE

Heat shrink Identification System

INTRODUCTION

Fluid Resistant, Heat Shrink Identification Marker Sleeving for the identification of wires and cables. D-SCE is the foremost fluid resistant product used in applications where exposure to lubricant and fuel spray is possible. D-SCE is a thin wall, heat shrink tube, manufactured with e-beam technology that gives users the ability to shrink the supplied tube with no damage to material or printed text. Shrinking the tube will ensure the printed sleeve has a firm hold on the wire. D-SCE gives market leading print performance when used as a complete system, as recommended by TE Connectivity. Refer to TE document 411-121005 IDENTIFICATION PRINTER PRODUCT RIBBON MATRIX for the recommended printer/product/ribbon combinations. Printed sleeves meet the rail specifications NF F 00608 Categories A & H and BS EN50343. The sleeve also meets the material requirements of SAE-AMS-DTL-23053/6 Class 1. D-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



FEATURES

- Self- extinguishing, non-flame propagating
- Resistant to key rail, industrial and military fluids (defined by RW-2519)
- Pre-termination Cable Identification
- Sleeve diameters from 2.4mm to 38.1mm
- Shrink ratio 3:1 (38.1mm 2:1)

APPLICATIONS

- Wire and Cable Identification in multiple industries
- Rail
- Industrial
- Aerospace & Defense

THERMAL CHARACTERISTICS

Specifications	Ratings
Operation Temperature Range	-75°C to +135°C

TECHNICAL PERFORMANCE

Full performance details can be seen in product specification RW-2519 – Below is a summary of some key characteristics

Characteristics	Requirements	Test Methods	Results
Print Permanence 50 rubs, 1kg load	Print to remain legible (1)	SAE AS 5942	PASS
Solvent Resistance	Print to remain legible (1)	MIL-STD-202G 215K	PASS
Fluid Exposure 24hr immersion at 23°C followed by 20 rubs with 1kg load	Print to remain legible (1)	Reference test oil IRM 902	PASS
		MIL-PRF-23699 lubricating oil	PASS
		JP8 jet fuel	PASS
		Diesel fuel	PASS
		Propylene glycol de-icing fluid 50/50	PASS
		Tap Water	PASS
		5% Sodium chloride solution	PASS
		1% Teepol detergent	PASS
Elevated Fluid Exposure Diesel fuel @ 70°C – 168hr	Print to remain legible (1) ± 20% of original ± 20% of original		
Print performance		SAE AS 23053	PASS
Tensile strength		ASTM D2671	PASS
Ultimate Elongation		ASTM D2671	PASS

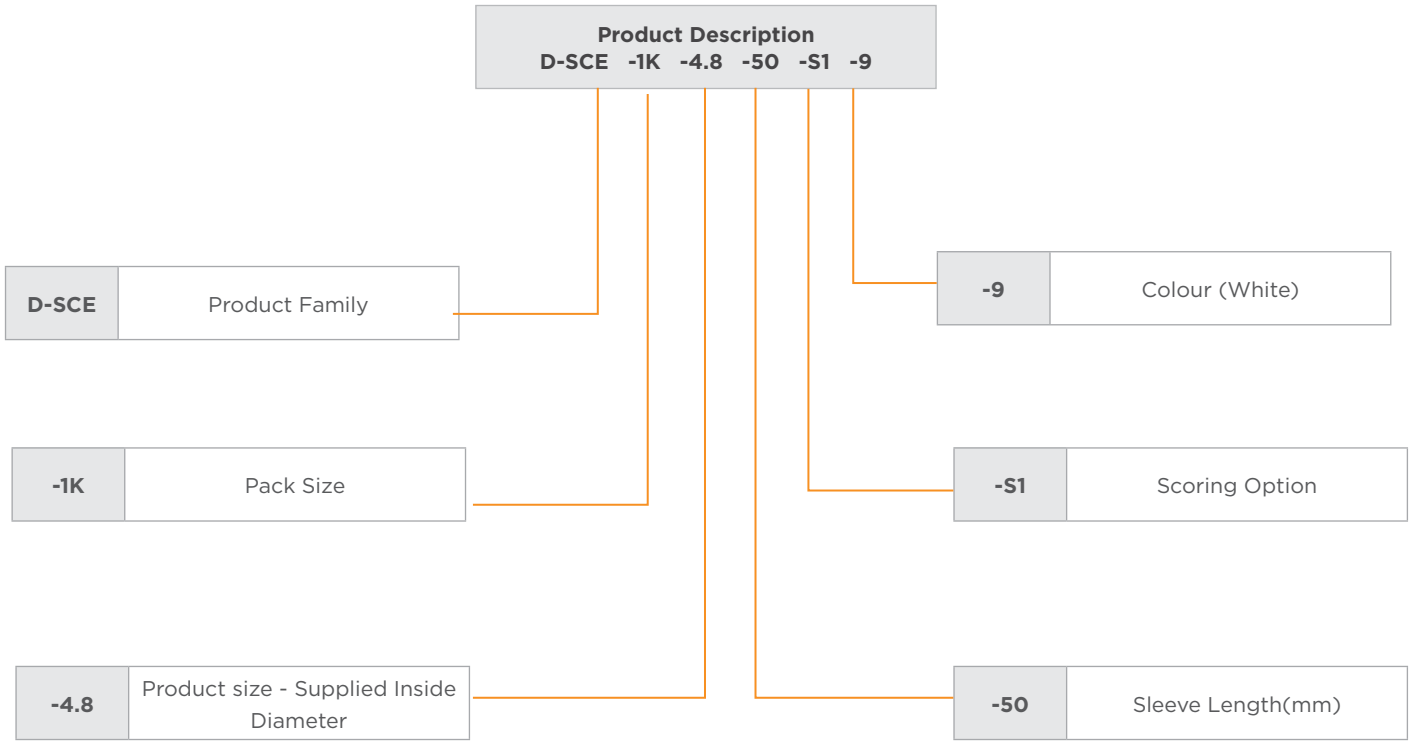
Characteristics	Requirements	Test Methods	Results
Dielectric strength	20 MV/m minimum	ASTM D149	PASS
Volume Resistivity	1 x 10 ^{14} ohm	ASTM D257	PASS
Thermal Performance	No cracking or flowing Print to remain legible (1)	250°C4hr	PASS
Thermal performance	No cracking or flowing Print to remain legible (1)	150°C 168hr	PASS

*(1) According to TE doc 411-121002

SHELF LIFE AND STORAGE CONDITIONS

Up to 12 years see TE document 408-121006

PRODUCT CODE STRUCTURE



Ordering Description	Inside Diameter				Nominal Recovered Wall	Nominal Weight	Recommended cable diameter ranged	
	As Supplied (minimum)		After Recovery (maximum)					
	mm	inches	mm	inches	mm	g	mm	inches
D-SCE- <pack size> -2.4 -50 -<score> - <color>	2.40	0.094	0.80	0.031	0.51	0.13	0.8 - 1.9	0.032 - 0.075
D-SCE- <pack size> -3.2 -50 -<score> - <color>	3.20	0.125	1.10	0.042	0.51	0.18	1.1 - 2.6	0.044 - 0.105
D-SCE- <pack size> -4.8 -50 -<score> - <color>	4.80	0.187	1.60	0.063	0.58	0.27	1.7 - 4.0	0.069 - 0.160
D-SCE- <pack size> -6.4 -50 -<score> - <color>	6.40	0.250	2.10	0.083	0.58	0.35	2.3 - 5.4	0.091 - 0.215
D-SCE- <pack size> -9.5 -50 -<score> - <color>	9.50	0.375	3.20	0.126	0.61	0.50	3.4 - 8.1	0.137 - 0.320
D-SCE- <pack size> -12.7 -50 -<score> - <color>	12.7	0.500	4.20	0.166	0.61	0.68	4.6 - 10.7	0.183 - 0.425
D-SCE- <pack size> -18.0 -50 -<score> - <color>	19.1	0.750	6.40	0.250	0.61	0.90	6.9 - 16.2	0.275 - 0.640
D-SCE- <pack size> -25 -50 -<score> - <color>	25.4	1.000	8.50	0.335	0.64	1.35	9.2 - 21.5	0.366 - 0.850
D-SCE- <pack size> -38 -50 -<score> - <color>	38.1	1.500	19.1	0.750	0.64	2.58	20.9 - 33.0	0.825 - 1.300

CONSTRUCTION AND PRODUCT OPTIONS

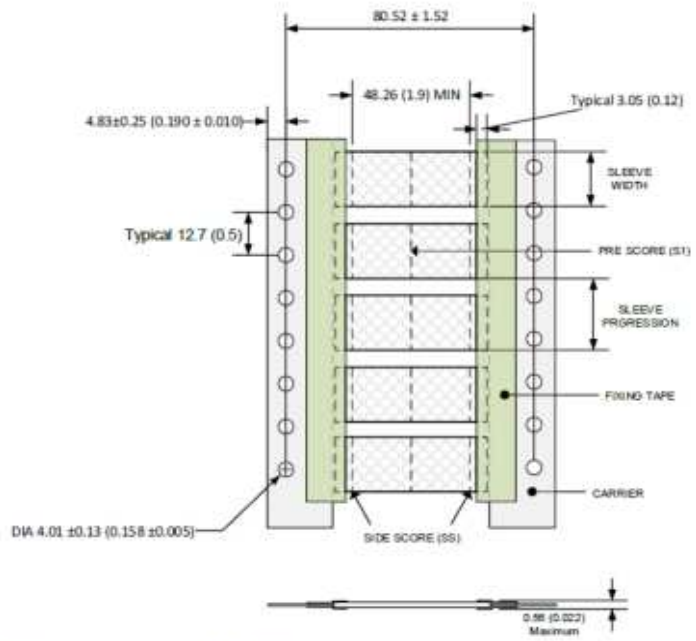


Figure1: D-SCE Format

CONSTRUCTION AND PRODUCT OPTIONS (CONTINUATION)

Pre - Scoring			
Perforated score to give multiple marker sleeves from each D-SCE sleeve	1 Pre- score	Code	S1
	2 Pre-scores	Code	S2
	3 Pre-scores	Code	S3

Pack Sizes	
No Code	250-piece packs available for all sizes
Non-Standard 1K	1000-piece reels available for all sizes
Non-Standard 2.5K	2500-piece reels available for sizes 3.2 up to 6.4
Non-Standard 5K	5000-piece reels available for sizes 2.4 and 6.4

Colors	
Black	0
Pink	2L
Red	2
Orange	3
Yellow (standard)	4
Green	5
Blue	6
Violet	7
Grey	8
White (standard)	9



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':

https://www.te.com/en/document-nbr-search.html



SOFTWARE

WinTotal software, available to download for a 14-day evaluation period from the Identification

Printer Software page: http://www.te.com/WinTotal

Contact a TE representative for further information.



te.com

TE Connectivity, TE connectivity (logo), WinTotal, and TE (logo) are trademarks. Other logos, products, and/or company names may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any changes to the information contained herein without prior notice. TE Connectivity assumes only those obligations set forth in the terms and conditions for this product and shall in no event be liable for any incidental, indirect, or consequential damages arising out of the sale, resale, use, or misapplication of the product. TE expressly disclaims any implied warranties with respect to the information contained herein, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose. Dimensions, specifications and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications and/or information. Users of TE Connectivity products must make their own assessment as to whether the respective product is suitable for the respective desired application.

© 2026 TE Connectivity plc family of companies All Rights Reserved.