



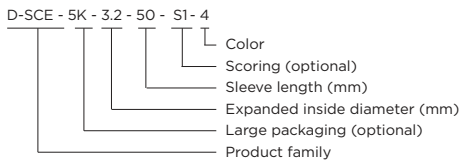
## Introducing D-SCE Fluid resistant heat-shrinkable wire identification sleeves

D-SCE markers are used to identify wires and cables where exposure to organic fluids, especially oils, is required. They can operate in these conditions at elevated temperatures, making them ideal in aerospace, rail and construction industries. The D-SCE markers will provide strain relief, insulation and protection from mechanical abuse. The 3:1 shrink ratio markers are assembled in a ladder format enabling sleeves to be printed on both sides for maximum data content and readability.

### KEY FEATURES

- Resistance to organic fluids, common fuels, lubricants and solvents
- 3:1 shrink ratio
- Wide range of sizes for several wire and bundle diameters
- Formulated for use in aerospace, rail and construction equipment
- Dot matrix and thermal transfer printable
  - both print technologies meet all specifications and approvals listed

### PART NUMBERING SYSTEM



### TEMPERATURE RATING

- Operating temperature range:  $-55^{\circ}\text{C}$  to  $+135^{\circ}\text{C}$  ( $-67^{\circ}\text{F}$  to  $+275^{\circ}\text{F}$ )
- Minimum recovery temperature:  $+135^{\circ}\text{C}$  ( $+275^{\circ}\text{F}$ )
- Maximum storage temperature:  $+40^{\circ}\text{C}$  ( $+104^{\circ}\text{F}$ )

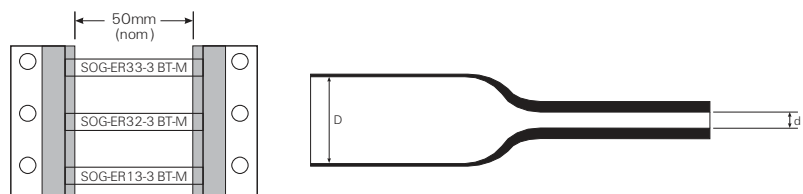
### SPECIFICATIONS/APPROVALS

- TE Connectivity:
  - RW 2519
  - TTDS-017
- Military:
  - SAE-AMS-DTL-23053/6, Class 1 (material and performance requirements)
  - SAE AS5942 3.4.1. Adherence
  - MIL STD 202 Method 215
- Industry:
  - F 00 608 Category A and H
  - BS EN 50343: 2003: Appendix H

### PRINTING SYSTEM INFORMATION

- Refer to Identification Printer Product Ribbon Matrix document '411-121005'

### ORDERING INFORMATION



[te.com/products/identification-labeling](http://te.com/products/identification-labeling)



## AVAILABLE SIZES AND FORMATS

Ordering description	Inside diameter				Recommended use range	
	D (min) as supplied		d (max) after recovery			
	mm	inches	mm	inches	mm	inches
D-SCE-1K-2.4-50-<color>	2.39	0.094	0.79	0.031	0.81 - 1.90	0.032 - 0.075
D-SCE-1K-3.2-50-<color>	3.18	0.125	1.07	0.043	1.11 - 2.66	0.044 - 0.105
D-SCE-1K-4.8-50-<color>	4.75	0.187	1.57	0.063	1.75 - 4.06	0.069 - 0.160
D-SCE-1K-6.4-50-<color>	6.35	0.250	2.11	0.084	2.31 - 5.46	0.091 - 0.215
D-SCE-1K-9.5-50-<color>	9.53	0.375	3.18	0.125	3.47 - 8.12	0.137 - 0.320
D-SCE-1K-12-50-<color>	12.70	0.500	4.22	0.167	4.64 - 10.79	0.183 - 0.425
D-SCE-1K-18-50-<color>	19.05	0.750	6.35	0.250	6.99 - 16.25	0.275 - 0.640
D-SCE-1K-25-50-<color>	25.40	1.000	8.46	0.333	9.29 - 21.59	0.366 - 0.850
D-SCE-1K-38-50-<color>*	38.10	1.500	19.05	0.750	20.95 - 33.02	0.825 - 1.300

\* 2:1 shrink ratio

Total width as supplied 90.18 mm (3.550 inches) including tape and carrier width.

## OPTIONS

Prescoring	Perforated score to produce multiple marker sleeves from each D-SCE sleeve.			
	Standard	Side scored		
	Number of prescores	1 prescore	2 prescores	3 prescores
Code	S1	S2	S3	
	Package sizes			
Standard	1K - 1000 piece packages available for all D-SCE sizes			
Nonstandard	Larger pack sizes are available. Please contact TE Connectivity .			
Colors	Standard	Yellow	White	
	Code	9	4	
	Nonstandard	Pink	Blue	
Code	2L	6		

Ordering information: Specify product name, pack size, sleeve size, prescore, format and color.

Ordering example: D-SCE-1K-6.4-50-S2-4

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## TECHNICAL INFORMATION

Print Method/Ribbon	Refer to Identification TT Printer Product Ribbon Matrix document '411-121005'
Service Temperature	-40°C to +105°C (-40°F to +221°F)
Minimum Shrink Temperature	136 °C (275°F)
Colors	White or yellow. Other colors available on request.
Flammability	Self-extinguishing - (ASTM D2671 Procedure B). Oxygen Index (BS6853: Pass 34% Min.) - (BS EN ISO 4589-2 [1999]). (AFNOR NF F 16-101 Class 12). Dripping Classification ST2 - (DIN 5510-2)
Smoke	A0-0.017 Max. (BS 6853 [1999] Annex D [D.8.3] Small scale test Smoke Index Determination (IF) Maximum O, Smoke Class F1 - (AFR NOR NF F 16-101-1988 Smoke Index)
Toxicity	R < 1 - (BS 6853 [1999] Annex B - AFNOR NF X 70-100 Determination of weighted summation of toxic fume, mass based method) LUL Toxid Fume: No. Halogens, No. P, S or N sources above trace level - 1-085 A3 Fire Safety Performance of Materials; Chemical composition/toxicity Toxicity Index = 0.34 - (CEI 20-37-7-09-1997 Determination of toxicity index of gasses from combustion of organic material
Dielectric Strength	15V/mm minimum.
Water Absorption	11% maximum after 24 hours at 23C (73° F)
Copper Mirror Corrosion	8% maximum after 16 hours of 150 °C (302 ° F)
Longitudinal Change	+5% to -10%.
Tensile Strength	7MPa minimum.
Ultimate Elongation	80% minimum.
Secant Modulus	200MPa mimum at 2% elongation.
UV Resistance	Tensile strength >90% & ultimate elongation >40% or original value after 1000 hours (ASTM G53: UVA [100% dry cycle]; UVB [8 hours dry/4 hours wet cycle]).
Print Permanence	ADHERENCE - Meets the requirements of SAE AS5942 (1Kg/50 rubs). FLUID RESISTANCE - Meets the requirements of MIL-STD-202 method 215.

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