

## TMS-SCE Military grade heat shrinkable wire identification sleeves

TMS-SCE marker sleeves are designed to meet the wire and cable marking needs of manufacturers with high performance requirements. Made from durable, flame retarded, radiation-crosslinked heat-shrinkable polyolefin, TMS-SCE marker sleeves can be used in a wide variety of applications. The marker sleeves meet the performance requirements of SAE-AMS- DTL-23053/5 classes 1 and 3 and the TMS-SCE-2X products are made from tubing fully compliant with this specification. The marks are permanent immediately after printing and remain legible even when exposed to abrasion, aggressive cleaning solvents, and military fuels and oils. The sleeves meet the mark permanence requirements of SAE AS81531 4.6.2 and MIL-STD-202F both before and after shrinking.

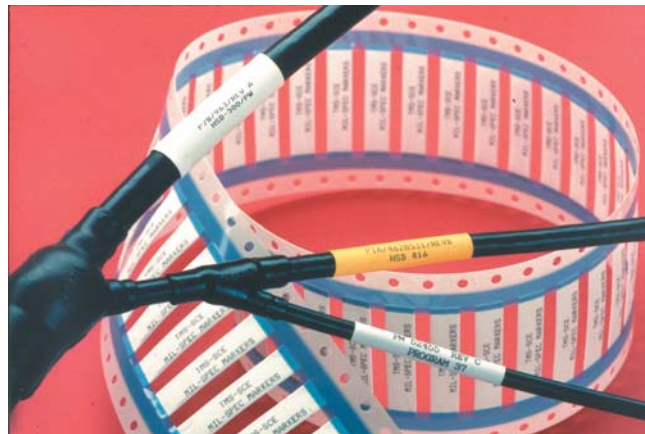
Both 2:1 and 3:1 shrink ratios are available. The 2:1 products provide a thick, rugged sleeve wall and are particularly easy to handle. The lightweight 3:1 products provide extremely fast shrinking and cover a wider range of wire diameters, thus simplifying inventory.

The marker sleeves are designed to be printed by computer-driven dot matrix or thermal transfer printers, providing several advantages in terms of reduced errors, cycle time and cost.

Supplied in a thin, flat "ladder" format, the sleeves are held horizontally between two hole-punched polyester strips. This configuration feeds directly from the storage box into a Tyco Electronics-recommended printer. Tyco Electronics-recommended ribbons should always be used. The ladder format provides automatic kitting of the marker sleeves in the desired sequence. A standard heat gun with reflector is used to shrink the sleeves onto the wire or cable.

### Features and benefits

- Permanent identification sleeves.
- Computer-printable.
- Lightweight for aerospace applications.
- Military specification material and print performance.
- 2:1 and 3:1 shrink ratio.
- CSA Certified.
- UL Recognized, VW all flame tubing test rated.
- Quick recovery for heat sensitive areas.



### Temperature rating

Operating temperature range	-55°C to +135°C	-67°F to +275°F
Minimum recovery temperature	+85°C	+185°F
Maximum storage temperature	+40°C	+104°F

### Specifications/approvals

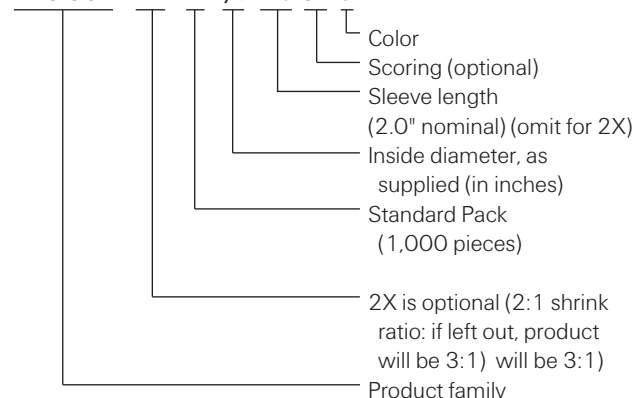
Tyco Electronics	RW-2511
Military	SAE-AMS-DTL-23053/5 classes 1 and 3, SAE AS81531 4.6.2, MIL-STD-202F Method 215J
Industry	UL Recognized – Standard 224, file E35586 CSA Certified – File 31929

### Printer information

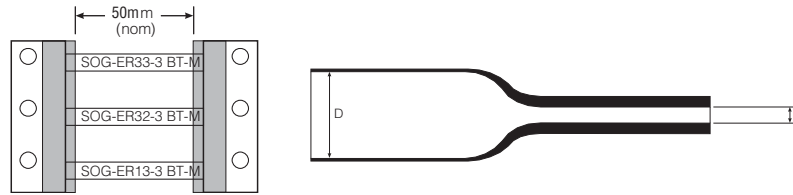
Tyco Electronics printer	AM6310 (dot matrix) T200 Series (thermal transfer, low volume) T312M (thermal transfer)
Tyco Electronics ribbon	1892BK04-RIBBON (dot matrix) TMS-101-RIBBON-4RPSCE (thermal transfer for T208M) TMS-RJS-RIBBON-4RPSCE (thermal transfer for T312M)

### Part numbering system

TMS-SCE - 2X - 1K<sup>1</sup>/<sub>8</sub> - 2.0-S1-9



Ordering information



Available sizes and formats

Ordering description	Inside diameter				Recommended use range	Recovered wall thickness		Weight (g/10 pcs.)	
	Expanded D (minimum)		Recovered d (maximum)						
	mm	inches	mm	inches		mm	inches		
TMS-SCE-1K- <sup>3</sup> / <sub>32</sub> -2.0- <i>&lt;color&gt;</i>	2.36	0.093	0.79	0.031	0.81 - 1.90	0.032 - 0.075	0.53 ± 0.08	0.021 ± 0.003	1.50
TMS-SCE-2X-1K- <sup>3</sup> / <sub>32</sub> - <i>&lt;color&gt;</i>	2.36	0.093	1.17	0.046	1.27 - 1.90	0.050 - 0.075	0.64 ± 0.08	0.025 ± 0.003	2.04
TMS-SCE-1K- <sup>1</sup> / <sub>8</sub> -2.0- <i>&lt;color&gt;</i>	3.18	0.125	1.07	0.042	1.11 - 2.66	0.044 - 0.105	0.58 ± 0.08	0.023 ± 0.003	2.03
TMS-SCE-2X-1K- <sup>1</sup> / <sub>8</sub> - <i>&lt;color&gt;</i>	3.18	0.125	1.58	0.062	1.75 - 2.66	0.069 - 0.105	0.64 ± 0.08	0.025 ± 0.003	2.75
TMS-SCE-1K- <sup>3</sup> / <sub>16</sub> -2.0- <i>&lt;color&gt;</i>	4.75	0.187	1.57	0.062	1.75 - 4.06	0.069 - 0.160	0.58 ± 0.08	0.023 ± 0.003	2.68
TMS-SCE-2X-1K- <sup>3</sup> / <sub>16</sub> - <i>&lt;color&gt;</i>	4.75	0.187	2.36	0.093	2.54 - 4.06	0.100 - 0.160	0.64 ± 0.08	0.025 ± 0.003	3.62
TMS-SCE-1K- <sup>1</sup> / <sub>4</sub> -2.0- <i>&lt;color&gt;</i>	6.35	0.250	2.11	0.083	2.31 - 5.46	0.091 - 0.215	0.58 ± 0.08	0.023 ± 0.003	3.51
TMS-SCE-2X-1K- <sup>1</sup> / <sub>4</sub> - <i>&lt;color&gt;</i>	6.35	0.250	3.18	0.125	3.81 - 5.46	0.150 - 0.215	0.64 ± 0.08	0.025 ± 0.003	5.94
TMS-SCE-1K- <sup>3</sup> / <sub>8</sub> -2.0- <i>&lt;color&gt;</i>	9.53	0.375	3.18	0.125	3.47 - 8.12	0.137 - 0.320	0.61 ± 0.08	0.024 ± 0.003	5.04
TMS-SCE-2X-1K- <sup>3</sup> / <sub>8</sub> - <i>&lt;color&gt;</i>	9.53	0.375	4.75	0.187	5.59 - 8.12	0.220 - 0.320	0.64 ± 0.08	0.025 ± 0.003	8.50
TMS-SCE-1K- <sup>1</sup> / <sub>2</sub> -2.0- <i>&lt;color&gt;</i>	12.70	0.500	4.22	0.166	4.64 - 10.79	0.183 - 0.425	0.61 ± 0.08	0.024 ± 0.003	6.81
TMS-SCE-2X-1K- <sup>1</sup> / <sub>2</sub> - <i>&lt;color&gt;</i>	12.70	0.500	6.35	0.250	6.99 - 10.79	0.275 - 0.425	0.64 ± 0.08	0.025 ± 0.003	11.45
TMS-SCE-1K- <sup>3</sup> / <sub>4</sub> -2.0- <i>&lt;color&gt;</i>	19.05	0.750	6.35	0.250	6.99 - 16.25	0.275 - 0.640	0.61 ± 0.08	0.024 ± 0.003	12.03
TMS-SCE-2X-1K- <sup>3</sup> / <sub>4</sub> - <i>&lt;color&gt;</i>	19.05	0.750	9.53	0.375	10.16 - 16.25	0.400 - 0.640	0.76 ± 0.08	0.030 ± 0.003	20.63
TMS-SCE-1K-1-2.0- <i>&lt;color&gt;</i>	25.40	1.000	8.46	0.333	9.29 - 21.59	0.366 - 0.850	0.64 ± 0.08	0.025 ± 0.003	15.35
TMS-SCE-1K-1 <sup>1</sup> / <sub>2</sub> -2.0- <i>&lt;color&gt;</i>	38.10	1.500	19.05	0.750	20.95 - 33.02	0.825 - 1.300	0.51 ± 0.08	0.020 ± 0.003	27.51
TMS-SCE-1K-2-2.0- <i>&lt;color&gt;</i>	50.80	2.000	25.40	1.000	27.94 - 44.95	1.100 - 1.750	0.64 ± 0.08	0.025 ± 0.003	47.27
TMS-SCE-1K-2 <sup>1</sup> / <sub>4</sub> -2.0- <i>&lt;color&gt;</i>	57.15	2.250	19.05	0.750	22.32 - 50.80	0.880 - 2.000	0.76 ± 0.08	0.030 ± 0.003	42.06

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

Options

Prescoring	Perforated score to produce multiple markers from each sleeve.								
	Number of prescores	1 prescore			2 prescores		3 prescores		
	Code	S1			S2		S3		
Package sizes	Standard								
	Nonstandard								
	Smaller and larger pack sizes are available. Please contact Tyco Electronics.								
Colors	Standard								
	Yellow								
	White								
Colors	Code								
	4								
	9								
Colors	Nonstandard								
	Red								
	Pink								
Colors	Code								
	2								
	2L								
Colors	Orange								
	Green								
	Blue								
Colors	Code								
	3								
	5								
Colors	Violet								
	Gray								
	Black								
Colors	Code								
	7								
	8								
Colors	Code								
	0								
	Note:								
2X products meet the color requirements of MIL-STD-104 class 1; otherwise colors are pastel for print contrast.									

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

Ordering example: TMS-SCE-1K-<sup>1</sup>/<sub>8</sub>-2.0-S1-9 (scored once)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.