

HT-SCE High temperature, low outgassing heat shrinkable wire identification sleeves

Tyco Electronics's HT-SCE wire markers are designed for use in high temperature applications or where extreme resistance to fuels, lubricants and cleaning solvents is required. They are also ideal for applications in which low-vacuum outgassing is of high importance. The marker sleeves are made of highly flame retarded, heat-shrinkable fluoropolymer tubing.

HT-SCE markers are supplied as a thin, flat "ladder" of sleeves held horizontally between two polyester strips. This configuration feeds directly from the storage box into standard Tyco Electronics recommended printers, with no modifications necessary. A strip of adhesive tape on each side of the sleeves holds them securely in place for printing and kitting, yet the sleeves pull easily from the carrier strips. A standard heat gun with reflector is used to shrink the sleeves onto the wire or cable to achieve a permanent mark.

After shrinking, HT-SCE markers meet the print performance requirements of SAE AS81531 4.6.2 and MIL-STD-202F. HT-SCE markers are supplied in boxes of 1000 sleeves and are available in nine diameter sizes. These cover substrates from 0.8 mm to 34.0 mm. Because of this versatility, customers need not carry a large inventory of markers.

Features and benefits

- Permanent identification sleeves.
- High continuous operating temperature.
- Extreme fluid resistance.
- Low-vacuum outgassing.
- Wide range of sleeve sizes for several wire and bundle diameters.



Temperature rating

Operating temperature range	-55°C to +225°C	-67°F to +437°F
Minimum recovery temperature	+200°C	+392°F
Maximum storage temperature	+40°C	+104°F

Specifications/approvals

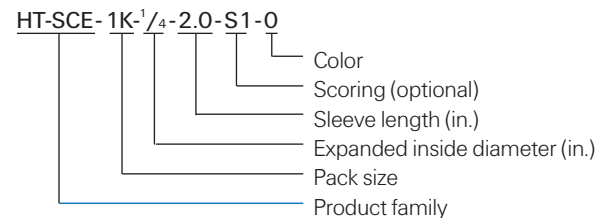
Tyco Electronics	RW2512
Military	SAE AS 81531 4.6.2 MIL-STD-202F Method 215J

Printer information

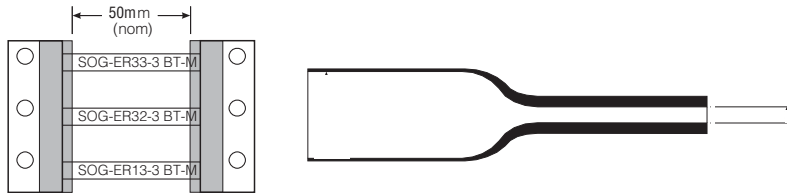
Tyco Electronics printer	T312M (thermal transfer)
Tyco Electronics ribbon	TMS-RJS-RIBBON-4HT (thermal transfer)



Part numbering system



Ordering information



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
HT-SCE-1K- $\frac{3}{32}$ -2.0- <color>	2.36	0.093	0.79	0.031	0.81 - 1.90	0.032 - 0.075
HT-SCE-1K- $\frac{1}{8}$ -2.0- <color>	3.18	0.125	1.58	0.062	1.75 - 2.66	0.069 - 0.105
HT-SCE-1K- $\frac{1}{16}$ -2.0- <color>	4.75	0.187	2.36	0.093	2.54 - 4.06	0.100 - 0.160
HT-SCE-1K- $\frac{1}{4}$ -2.0- <color>	6.35	0.250	3.18	0.125	3.40 - 6.00	0.134 - 0.236
HT-SCE-1K- $\frac{3}{8}$ -2.0- <color>	9.53	0.375	4.75	0.187	5.30 - 8.10	0.209 - 0.319
HT-SCE-1K- $\frac{1}{2}$ -2.0- <color>	12.70	0.500	6.35	0.250	6.60 - 11.40	0.260 - 0.449
HT-SCE-1K- $\frac{3}{4}$ -2.0- <color>	18.00	0.709	9.00	0.354	9.90 - 15.30	0.390 - 0.602
HT-SCE-1K-1-2.0- <color>	25.40	1.000	12.70	0.500	13.30 - 23.00	0.524 - 0.906
HT-SCE-1K-1 $\frac{1}{2}$ -2.0- <color>	38.10	1.500	19.05	0.750	20.95 - 34.00	0.825 - 1.339

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 HT-SCE sleeve					
	Number of prescores	1 prescore	2 prescores	3 prescores		
	Code	S1	S2	S3		
Package size	Standard	1K - 1000 piece packs				
	Nonstandard	Larger pack sizes are available. Please contact Tyco Electronics.				
Colors	Standard	White	Black			
	Code	9	0			
	Nonstandard	Pink	Blue	Yellow		
Code	2L	6	4			

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

Ordering example: HT-SCE-1K- $\frac{1}{4}$ -2.0-S1-9