

TMS-SCE Military Grade Sleeves



TMS-SCE

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Identification & Labeling > Printable Tubing

Durable, flame retardant, radiation cross linked heat-shrinkable polyolefin marker sleeves with a 3:1 shrink ratio.



Printable Tubing Type: **Ladder**

Printable Tubing Grade: **Military**

Operating Temperature Range: **-55 - 135 °C**

TMS-SCE™ marker sleeves are designed to meet wire and cable identification needs with high performance requirements.

Made from durable, flame retardant, radiation cross linked heat-shrinkable polyolefin, TMS-SCE™ marker sleeves can be used in a wide variety of applications including Aerospace, Military, Motor sports and Oil & Gas. TMS-SCE™ marker sleeves meets the performance requirements of SAE-AMS-DTL-23053/5 class 1. The marks are permanent immediately after printing and remain legible even when exposed to abrasion, aggressive cleaning solvents, and military fuels and oils. TMS-SCE™ meets the mark permanence requirements of SAE AS5942 and MILSTD-202 Method 215.

TMS-SCE™ marker sleeves is supplied with a 3:1 shrink ratio. The lightweight 3:1 products provide extremely fast shrinking and cover a wider range of wire diameters, thus simplifying inventory.

Supplied in a "ladder format", sleeves are held horizontally between two hole-punched polyester strips and offers ease of printing and kitting.

Features and benefits

- Thermal transfer printable
- Permanent identification sleeves
- Lightweight for aerospace applications
- Military specification material and print performance
- 3:1 shrink ratio
- CSA Certified
- UL Recognised

Operating temperature ranges

-55 °C to 135 °C (-67°F to 275°F)

Specification and approvals

- SAE-AMS-DTL-23053/5
- SAE AS5942
- EN45545-2 R24 HL2
- NFPA130

- MIL-STD-202 Method 215
- UL STD 224 - E35586
- CSA certified (File 31929)

Recommended hardware and software

Printer: T200-IDENT / TE3112 / TE3124 / T6112DS Ribbon: TMS-RJS-RIBBON-4RPSCE Software: WinTotal v6

For more information

Technical Datasheet: TTDS-023 Product Specification Sheet: RW-2511

Features

Product Type Features

Printable Tubing Type	Ladder
Printable Tubing Grade	Military

Body Features

Shrink Ratio	2:1, 3:1
Primary Product Color	Black, Blue, Gray, Green, Orange, Red, Violet, White, Yellow
Markers per Sleeve	1, 2, 3, 4

Dimensions

Product Length (mm)	12.7, 16.94, 25, 25.4, 29.64, 42.34, 50, 50.8
Product Length (in)	.5, .66, 1, 1.16, 1.66, 2
Expanded Inside Diameter (Min) (mm)	2.36, 2.38, 3.18, 4.75, 4.76, 6.35, 9.53, 12.7, 19.05, 25.4, 38.1, 50.8, 57.1, 57.15
Expanded Inside Diameter (Min) (in)	.093, .125, .187, .25, .375, .5, .75, 1, 1.5, 2, 2.25
Recovered Inside Diameter (Max) (mm)	.79, 1.07, 1.17, 1.5, 1.57, 2.1, 2.11, 3.18, 4.2, 4.22, 6.3, 6.35, 8.4, 8.46, 19, 19.05, 25.4
Recovered Inside Diameter (Max) (in)	.031, .042, .046, .062, .083, .125, .166, .25, .333, .75, .752, 1
Compatible Cable Diameter Range (mm)	.8 - 1.9, .81 - 1.9, 1.1 - 2.6, 1.11 - 2.66, 1.2 - 1.9, 1.7 - 4, 1.75 - 4.06, 2.3 - 5.4, 2.31 - 5.46, 3.4 - 8.1, 4.6 - 10.7, 4.64 - 10.79, 6.9 - 16.2, 9.2 - 21.5, 20.9 - 33, 22.3 - 50.8, 27.9 - 44.9
Compatible Cable Diameter Range (in)	.032 - .075, .044 - .105, .05 - .075, .069 - .16, .091 - .215, .137 - .32, .183 - .425, .275 - .64, .366 - .85, .825 - 1.3, .879 - 2, .88 - 2, 1.1 -

1.75, 1.1 - 1.77

Usage Conditions

Operating Temperature Range (°C)	-55 - 135
Operating Temperature Range (°F)	-67 - 275

Printer/Label Features

Printer Technology	Thermal Transfer
Number of Prescores	1, 2, 3

Packaging Features

Packaging Quantity	250, 1000, 2500, 5000
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Reference Number

TE Internal Number	CAT-T3437-T548
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SEE PRODUCTS ON NEXT PAGE

Products (1 of 5)



TMS-SCE-1-1/2-2.0-9

TMS-SCE-1-2.0-9

TMS-SCE-2-2.0-4

TMS-SCE-1-1/2-2.0-4

TE Part #	5414710001	4397130001	3279370001	6706090001
Shrink Ratio	3:1	3:1	3:1	3:1
Primary Product Color	White	White	Yellow	Yellow
Number of Prescores				
Markers per Sleeve	1	1	1	1
Product Length	50 mm	50 mm	50 mm	50 mm
Expanded Inside Diameter (Min)	38.1 mm	25.4 mm	50.8 mm	38.1 mm
Recovered Inside Diameter (Max)	19.05 mm	8.46 mm	25.4 mm	19.05 mm
Compatible Cable Diameter Range	20.9 - 33 mm	9.2 - 21.5 mm	27.9 - 44.9 mm	20.9 - 33 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	TMS-SCE	TMS-SCE	TMS-SCE	TMS-SCE

*EU RoHS Directive 2011/65/EU

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

**EU ELV Directive 2000/53/EC

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Products (2 of 5)



TMS-SCE-3/8-2.0-9

TMS-SCE-3/8-2.0-4

TMS-SCE-1-2.0-4

TMS-SCE-1/2-2.0-9

TE Part #	9422810001	5294130001	7992730001	5061850001
Shrink Ratio	3:1	3:1	3:1	3:1
Primary Product Color	White	Yellow	Yellow	White
Number of Prescores				
Markers per Sleeve	1	1	1	1
Product Length	50 mm	50 mm	50 mm	50 mm
Expanded Inside Diameter (Min)	9.53 mm	9.53 mm	25.4 mm	12.7 mm
Recovered Inside Diameter (Max)	3.18 mm	3.18 mm	8.46 mm	4.22 mm
Compatible Cable Diameter Range	3.4 - 8.1 mm	3.4 - 8.1 mm	9.2 - 21.5 mm	4.6 - 10.7 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
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Products (3 of 5)



TMS-SCE-3/4-2.0-4

TMS-SCE-1/2-2.0-4

TMS-SCE-1K-3/16-2.0-4

TMS-SCE-1/4-2.0-9

TE Part #	6315830001	6325250001	7957790001	6641710001
Shrink Ratio	3:1	3:1	3:1	3:1
Primary Product Color	Yellow	Yellow	Yellow	White
Number of Prescores				
Markers per Sleeve	1	1	1	1
Product Length	50 mm	50 mm	50 mm	50.8 mm
Expanded Inside Diameter (Min)	19.05 mm	12.7 mm	4.76 mm	6.35 mm
Recovered Inside Diameter (Max)	6.3 mm	4.22 mm	1.57 mm	2.11 mm
Compatible Cable Diameter Range	6.9 - 16.2 mm	4.6 - 10.7 mm	1.7 - 4 mm	2.3 - 5.4 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
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Products (4 of 5)



TMS-SCE-3/16-2.0-9

TMS-SCE-1/8-2.0-9

TMS-SCE-1K-3/8-2.0-4

TMS-SCE-1/4-2.0-4

TE Part #	5273550001	8350110001	2410510001	3906690001
Shrink Ratio	3:1	3:1	3:1	3:1
Primary Product Color	White	White	Yellow	Yellow
Number of Prescores				
Markers per Sleeve	1	1	1	1
Product Length	50 mm	50 mm	50 mm	50 mm
Expanded Inside Diameter (Min)	4.76 mm	3.18 mm	9.53 mm	6.35 mm
Recovered Inside Diameter (Max)	1.57 mm	1.07 mm	3.18 mm	2.11 mm
Compatible Cable Diameter Range	1.7 - 4 mm	1.1 - 2.6 mm	3.4 - 8.1 mm	2.3 - 5.4 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
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Products (5 of 5)



	TMS-SCE-1K-3/4-2.0-9	TMS-SCE-3/32-2.0-4	TMS-SCE-1K-1/2-2.0-9	TMS-SCE-1K-3/16-2.0-9
TE Part #	4575670001	4407170001	7385170001	1099510001
Shrink Ratio	3:1	3:1	3:1	3:1
Primary Product Color	White	Yellow	White	White
Number of Prescores				
Markers per Sleeve	1	1	1	1
Product Length	50 mm	50 mm	50 mm	50 mm
Expanded Inside Diameter (Min)	19.05 mm	2.38 mm	12.7 mm	4.76 mm
Recovered Inside Diameter (Max)	6.35 mm	.79 mm	4.22 mm	1.57 mm
Compatible Cable Diameter Range	6.9 - 16.2 mm	.8 - 1.9 mm	4.6 - 10.7 mm	1.7 - 4 mm
EU RoHS Directive 2011/65/EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
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Also in the Series | [TMS-SCE](#)

