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TMS System Six Identification

589-860 \rightarrow 998

Products in Raychem's comprehensive line of TMS System Six sleeves, cable markers, labels and wraparound sleeves, together with Raychem printer ribbons meet a broad range of requirements including UL, CSA and Mil-Spec standards for a variety of applications. All markers are made of Raychem manufactured materials, so performance characteristics are guaranteed.

Marker legends can be written by hand or printed with typewriters or dot-matrix printers. To create markers by computer, use commercially available word-processing software or Raychem's inexpensive TMS software.

The markers' ladder-style configuration allows them to be printed on both sides and simplifies kitting. Heat-shrinkable marker sleeves are available in shrink ratios of 3:1 to fit over many different sizes and shapes.



TMS System Six Identification

Product Selection Guide

Product Selection

Decision criteria	Readyprint	TMS-SCE	HT-SCE	CM-SCE
Heat-shrinkable tubing	Yes	Yes	Yes	No
Flat label	No	No	No	Yes
UL recognised	Yes	Yes	No	No
CSA certified	Yes	Yes	No	No
MIL-M-81531 (mark permanency)	Yes	Yes	Yes	Yes
Shrinking required for permanency	No ⁽ⁱ⁾	No ⁽ⁱ⁾	Yes	
Material properties of MIL-I-23053/5	No	Yes	No	No
Shrink ratio of 3:1	Yes	Yes	No	
Shrink ratio of 2:1	No	No	Yes	
Available scored (perforated)	Yes	Yes	Yes	No
Max. operating temperature	+105°C	+135°C	+200°C	+135°C
Min. operating temperature	-30°C	-55°C	-55°C	-55°C
Standard colours	White and yellow	White and yellow	White and black	White
Low-vacuum outgassing applications	No	No	Yes	No
Non-standard colours available	No	Yes	No	Yes

Note: ⁽ⁱ⁾ When using Raychem ribbons.

Decision criteria	Raymark-Six labels	Raymark-Six wraparound
Size range (mm)	in 6 sizes from 4.2 x 50.8 to 55.0 x 50.8	continuous x 50.8
Standard colour	White	White
Print permanence MIL-202 F 215F MIL-81531	Yes	Yes
Fluids	For full performance consult Raychem Specification RK-6648/3	
Weathering	For full performance consult Raychem Specification RK-6648/3	
Max. operating temperature	+125°C	+125°C
Min. operating temperature	-40°C	-40°C
Flammability	NES 711, 713, 714	
Adhesion to substrates	For full performance consult Raychem Specification RK-6648/3	

Readyprint

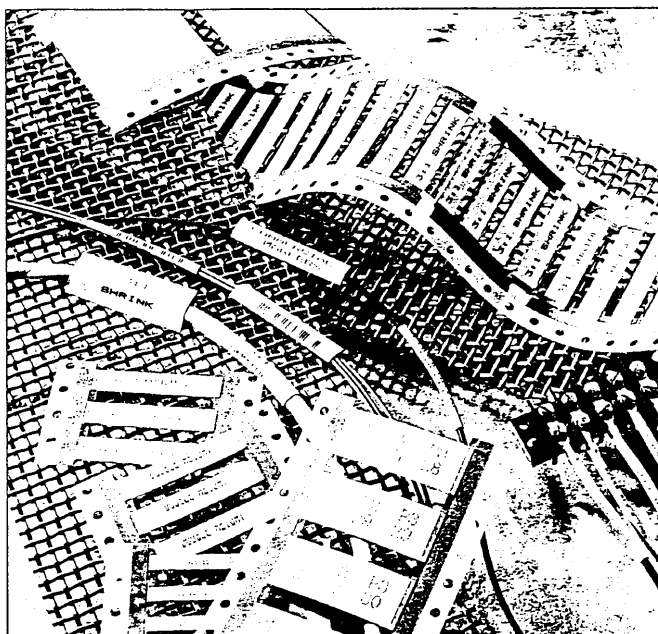
Heat-shrinkable, general purpose identification markers

Applications

Readyprint marker sleeves are used to identify wire and cable, tools, hoses and equipment in operating environments of -30°C to +105°C. Markers will withstand abrasion and exposure to industrial cleaning solvents.

Features/Benefits

- Standard office equipment can be used to print on markers.
- Available with Raychem ribbons.
- Shrink ratio of 3:1 provides repair capabilities and helps minimise inventory.
- Both sides of the sleeve can be printed on for easy readability of a lot of information.
- Variety of packaging options including fan-fold to meet different customer requirements.
- Markers provide insulation and strain relief.
- Markers can be easily removed from carrier.
- Excellent mark permanence upon printing; mark permanence improves after shrinking when using the Raychem ribbon.
- UL recognised, CSA certified.



Specifications/Approvals

Agency	Raychem
UL E46645	RT-1804/1
CSA 31929	

Product Characteristics

Physical	Heat ageing	168 h at +158°C UL 224
	Print performance	Resistant to abrasion, cleaning solvents and industrial fluids
Electrical	Dielectric strength	19 MV/m (min) ASTM D 2671
Chemical	Flame retardancy	Meets requirements of UL 224 VW-1

Ordering Information

Inside diameter as supplied (min)	Inside diameter after recovery (max)	Recommended use range	Standard package	
mm	mm	mm	Pieces	Ordering description
3.2	1.1	1.2/2.7	250	RPS-22-18/2.0-colour code
4.8	1.6	1.7/4.1	250	RPS-18-12/2.0-colour code
6.4	2.1	2.3/5.5	250	RPS-16-10/2.0-colour code
9.5	3.2	3.5/8.1	250	RPS-8-4/2.0-colour code
12.7	4.2	4.6/10.8	250	RPS-10-2/2.0-colour code
19.0	6.4	6.9/16.2	250	RPS-6-250/2.0-colour code
25.4	8.5	9.3/21.6	250	RPS-1-400/2.0-colour code
38.0	19.0	21.0/33.0	250	RPS-400-1000/2.0-colour code

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Readyprint

Options

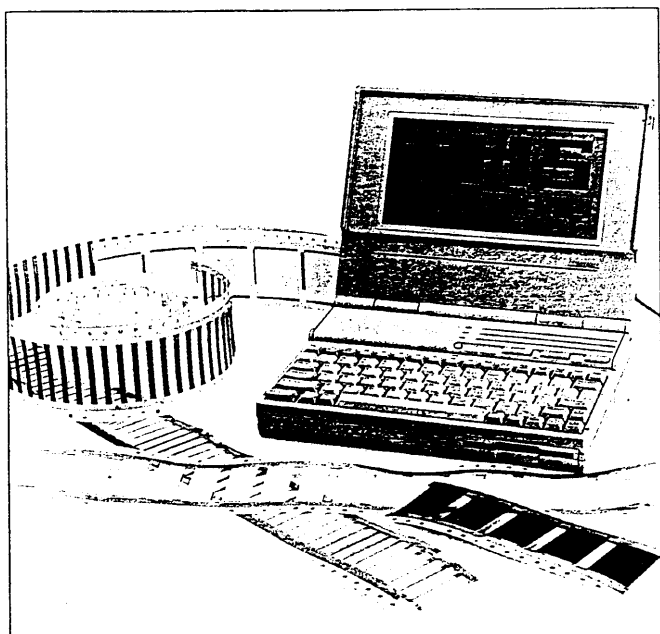
Prescoring	Perforated score to produce multiple marker sleeves from each RPS sleeve		
	Number of prescores	1 prescore 2 prescores 3 prescores	
	Code	S1 S2 S3	
	Ordering description example: RPS-16-10/2.0-S1-4		
Pack size	1000 piece packs available for all RPS sizes (see pack quantity and format table)		
	Ordering description example: RPS-1K-16-10/2.0-9		
Fan-fold	Pack sizes	F1K, F1.5K, F2.5K (see pack quantity and format table)	
		Ordering description example: RPS-F1.5K-16-10-9	

Standard Colours

Colour	Yellow	White
Code	4	9

TMS System Six Identification

Total Software & Accessories



Applications

TMS Total Software was developed by Raychem for creating and editing information printed on TMS System 90 and System Six identification markers.

Features/Benefits

- DOS-based software.
- Able to translate between System Six and System 90.
- Powerful word-processing functions.
- Menu driven.
- Easy file creation and management.
- Versatile legend-creation functions.
- File communications utilities.
- Flexible choice of font size, pitch, style.
- Flexible printing options.

Installation

Raychem has developed a brief manual to help you install and use TMS Total Software. Available on a 3.5 inch diskette.

Ordering Information

Disk size	Part number
TMS Total Software (3.5 inch)	112773-000

Accessories

Raychem System Six ribbons are designed to optimise the print quality and performance when used in conjunction

with Raychem's identification marker sleeves. Ribbons are available to suit a range of dot matrix printers.

Printer Ribbons

Printer	Model	Ribbon
Epson	FX-850	TMS-System-Six-Ribbon-A
	FX-870	
FACIT	4512	TMS-System-Six-Ribbon-E
	4514	
	E620	