Wire and Cable
Heat-shrink Tubing
Non-shrink Tubing
Braided Sleeving
Screening Braids
Moulded Parts
Terminals and Splices

**Wire and Cable Markers**

Accessories
Connectors
Backshells
Bonding Leads
Metal Braids
Relays and Contactors
Switches and Grips
Adhesives and Tapes
Application Equipment
Added Value Services
Advanced Identification and Labelling Project Solutions

Heat Shrinkable
Tie-on Markers
Adhesive Labels
Hardware and Software
Additional Ident Products

Identification and labelling products are increasingly important as the preferred method of identification and traceability, for harness wire and cable, control panel and components.

Our product range covers a multitude of styles and materials including heat-shrinkable markers, tie-on, wrap-around and self-adhesive labels that meet international UL, CSA & Mil-Spec specifications. Products can be marked using a range of state of the art thermal transfer printers.

Applications range from commercial component labelling through to high performance critical systems identification. Typical product performance characteristics include extreme temperature operation, zero halogen, low smoke, low toxicity, chemical resistance, abrasion resistant, electrical insulation, strain relief and UV resistance.

Mechanical Protection
Extreme Temperature Performance
Chemical Resistance
Fluid & Solvent Resistance
Moisture protection
Strain Relief, Flexibility
Flame-Retardant, Low Smoke
High Shrink Ratio
Low shrink Temperature
Aesthetic Enhancement
Fast and Efficient Installation
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<tr>
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</table>
Our cable identification solutions provide a “marked” difference. Heat-shrinkable cable identification marker sleeves are available in a wide variety of configurations, colours and sizes for high performance applications such as military grade, low-fire hazard, fluid resistant, high temperature and commercial use.

Printable cable markers for large wire bundles, cables, pipes and conduits come in a variety of colours and sizes for military, high temperature, and low-fire hazard applications.

<table>
<thead>
<tr>
<th>Product</th>
<th>UL Recognised</th>
<th>CSA Approved</th>
<th>SAE AS5942</th>
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<th>Operating Temperature</th>
<th>Shrink Ratio</th>
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<th>White</th>
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<td></td>
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<td>-55ºC 135ºC</td>
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<td>● ● ●</td>
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<td>● ● ●</td>
<td></td>
<td>● ●</td>
<td>MIL Spec</td>
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<td>-55ºC 225ºC</td>
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<td>● ● ●</td>
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<td>● ● ●</td>
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<td>● ●</td>
<td>High temp. Low gas</td>
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<td>-30ºC 105ºC</td>
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<td>● ● ●</td>
<td></td>
<td>● ● ●</td>
<td></td>
<td>● ●</td>
<td>Low fire hazard</td>
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<td></td>
<td>-55ºC 135ºC</td>
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<td></td>
<td>● ● ●</td>
<td></td>
<td>● ●</td>
<td>Fluid resistant</td>
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<td>ZHD-SCE</td>
<td>● ● ●</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>-55ºC 125ºC</td>
<td>2:1</td>
<td>● ● ●</td>
<td></td>
<td>● ● ●</td>
<td></td>
<td>● ●</td>
<td>LFH &amp; fluid resistant</td>
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<td>● ● ●</td>
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<td>● ● ●</td>
<td></td>
<td>● ●</td>
<td>UV &amp; fire retardant</td>
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<td>RPS</td>
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<td>-30ºC 105ºC</td>
<td>3:1</td>
<td>● ● ●</td>
<td></td>
<td>● ● ●</td>
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<td>● ●</td>
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<tr>
<td>TMS-CCUV</td>
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<td></td>
<td></td>
<td></td>
<td>-55ºC 150ºC</td>
<td>2:1</td>
<td>● ● ●</td>
<td></td>
<td>● ● ●</td>
<td></td>
<td>● ●</td>
<td>UV resistant, clear</td>
<td></td>
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</tbody>
</table>
Available on the range of heat shrinkable identification sleeves, in four standard lengths of 50mm, 25mm, 16mm and 12.5mm. Our in-house ability to score sleeves means we can offer a fast order turnaround.

- S1 Scored sleeve for 2 x 25mm sleeves
- S2 Scored sleeve for 3 x 16mm sleeves
- S3 Scored sleeve for 4 x 12.5mm sleeves

For non-standard lengths please contact us. Minimum order quantity is based on the pack size of the particular heat shrinkable sleeve.

Perforated score line is made to produce multiple markers from each sleeve. For part numbering add S1, S2 or S3 to end of the individual part number.

Illustration shows nominal actual size of a 3.2mm Ø marker, using an 11 point Arial font.

Un-scored sleeve

S1 Perforated sleeve for 2 x sleeves

S2 Perforated sleeve for 3 x sleeves

S3 Perforated sleeve for 4 x sleeves

The above represents the standard choices, other options and variants are available, please contact us for information.
Wire and Cable Markers

TMS-SCE
Military Grade
Heat Shrink Identification Sleeves

Military grade wire identification sleeve. Offering thin wall, flame retardant radiation cross linked modified heat shrinkable tubing. Standard colours available are White or Yellow.

Features & Benefits
- Lightweight for aerospace applications.
- CSA certified
- Available as pre-scored marker sleeves

Operating Temperature Range
- -55°C to +135°C

Installation
- Minimum recovery temperature +85°C
- Maximum storage temperature +40°C

Recommended printers:
T200-IDENT-PRINTER and the TE3112.

Approved ribbon:
TMS-RJS-RIBBON-4RPSCE

Specifications and Approvals
- SAE AS5942 (print adherence)
- MIL-STD-202 method 215 (solvent resistance)
- SAE-AMS-DTL-23053/5 class 1
- EN45545-2 R24 HL2
- UL STD 224 (File 35586)
- CSA Certified (file 31929)
- NSA 937201 Type MR & MT
- BMS 13-69 Grade A & B

Ordering Description | Supplied Ø mm | Recovered Ø mm | Recommended Range mm | Weight g/10 pcs | Pack Size
--- | --- | --- | --- | --- | ---
TMS-SCE-3/32-2.0-Colour | 2.36 | 0.79 | 0.81 - 1.90 | 1.50 | 250 pcs
TMS-SCE-1/8-2.0-Colour | 3.18 | 1.07 | 1.11 - 2.66 | 2.03 | 250 pcs
TMS-SCE-3/16-2.0-Colour | 4.75 | 1.57 | 1.75 - 4.06 | 2.68 | 250 pcs
TMS-SCE-1/4-2.0-Colour | 6.35 | 2.11 | 2.31 - 5.46 | 3.51 | 250 pcs
TMS-SCE-1/2-2.0-Colour | 12.70 | 4.22 | 4.64 - 10.79 | 6.81 | 250 pcs
TMS-SCE-3/4-2.0-Colour | 19.05 | 6.35 | 6.99 - 16.25 | 12.03 | 250 pcs
TMS-SCE-1-2.0-Colour | 25.40 | 8.46 | 9.29 - 21.59 | 15.35 | 250 pcs
TMS-SCE-1-1/2-2.0-Colour* | 38.10 | 19.05 | 20.95 - 33.02 | 27.51 | 250 pcs
TMS-SCE-2-2.0-Colour* | 50.80 | 25.40 | 27.94 - 44.95 | 47.27 | 250 pcs
TMS-SCE-2-1/4-2.0-Colour | 57.15 | 19.05 | 22.32 - 50.80 | 42.06 | 250 pcs

Alternative packaging sizes also available please ask for details
* Please note that shrink ratio is 2:1

Standard Colours Available

<table>
<thead>
<tr>
<th>9</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

For non standard colours please contact us for details and MOQ’s.
High temperature low out-gassing heat shrinkable wire identification sleeves. Designed for use in high temperature applications or where extreme resistance to fuels, lubricants and cleaning solvents is required.

Features & Benefits
• High continuous operating temperature.
• Extreme fluid resistance.
• Low vacuum out-gassing.
• Available as pre-scored marker sleeves

Operating Temperature Range
• -55°C to +225°C

Installation
• Minimum recovery temperature +200°C
• Maximum storage temperature +40°C

Recommended printers: T200-IDENT-PRINTER and the TE3112.
Approved ribbon: TMS-RJS-RIBBON-4HT
If black tubing TMS-RJS-RIBBON-WHT-4HT

Specifications and Approvals
• SAE AS5942 (print adherence)
• MIL-STD-202G method 215 (solvent resistance)
• UL-224 VW-1 rated
• Low out-gassing 1% max TML, 0.1% max VCM
• NSA 937201 Type MK & ML
• BMS 13-69 Grade C & D

<table>
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<tr>
<th>Ordering Description</th>
<th>Supplied Ø mm</th>
<th>Recovered Ø mm</th>
<th>Recommended Range mm</th>
<th>Pack Size</th>
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<tbody>
<tr>
<td>HT-SCE-3/32-2.0-Colour</td>
<td>2.36</td>
<td>0.79</td>
<td>0.81 - 1.90</td>
<td>250 pcs</td>
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<tr>
<td>HT-SCE-1/8-2.0-Colour</td>
<td>3.17</td>
<td>1.57</td>
<td>1.75 - 2.66</td>
<td>250 pcs</td>
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<tr>
<td>HT-SCE-3/16-2.0-Colour</td>
<td>4.74</td>
<td>2.36</td>
<td>2.54 - 4.06</td>
<td>250 pcs</td>
</tr>
<tr>
<td>HT-SCE-1/4-2.0-Colour</td>
<td>6.35</td>
<td>3.18</td>
<td>3.40 - 6.00</td>
<td>250 pcs</td>
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<tr>
<td>HT-SCE-3/8-2.0-Colour</td>
<td>9.52</td>
<td>4.74</td>
<td>5.30 - 8.10</td>
<td>250 pcs</td>
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<td>HT-SCE-1/2-2.0-Colour</td>
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<td>6.35</td>
<td>6.60 - 11.40</td>
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<td>HT-SCE-1-2.0-Colour</td>
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<td>12.70</td>
<td>13.30 - 23.00</td>
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<td>38.10</td>
<td>19.05</td>
<td>20.95 - 34.00</td>
<td>250 pcs</td>
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Alternative packaging sizes also available please ask for details.

Standard Colours Available

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<tr>
<td></td>
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<tr>
<td>White</td>
<td>Black</td>
</tr>
</tbody>
</table>

For non standard colours please contact us for details and MOQ’s.
Wire and Cable Markers

HX-SCE
Low Fire Hazard
Heat Shrink Identification Sleeves

Ideal for applications where limited fire hazard characteristics are necessary. The zero halogen material coupled with low smoke and low toxic fume emissions make the product ideal for use in enclosed spaces such as mass transit, marine and industrial installations.

Features & Benefits
- Meets international rail LFH standards.
- High performance print quality.
- Available as pre-scored marker sleeves.

Operating Temperature Range
- -55ºC to +105ºC

Installation
- Minimum recovery temperature +120ºC
- Maximum storage temperature +40ºC

Recommended printers: T200-IDENT-PRINTER and the TE3112.
Approved ribbon: 1966-RIBBON

Specifications and Approvals
- SAE AS5942 (print adherence)
- MIL-STD-202G method 215 (solvent resistance)
- EN45545-2 R22/R23/R24 HL3
- LUL 1-085 A3 (Fire Safety Performance)
- NF F 16-101 (Class 1A)
- BS 6853 Cat 1A
- EN 50343 H (Diesel immersion removed)

Ordering Description

<table>
<thead>
<tr>
<th>Supplied Ø mm</th>
<th>Recovered Ø mm</th>
<th>Recommended Range mm</th>
<th>Pack Size</th>
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<td>1.19</td>
<td>1.27 - 1.90</td>
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<td>1.58</td>
<td>1.77 - 2.66</td>
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<tr>
<td>HX-SCE-4.8-50-Colour</td>
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<td>2.36</td>
<td>2.54 - 4.06</td>
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<td>HX-SCE-6.4-50-Colour</td>
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<td>4.75</td>
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<td>6.99 - 10.79</td>
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<td>9.53</td>
<td>10.16 - 16.25</td>
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<td>12.70</td>
<td>14.29 - 21.59</td>
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<tr>
<td>HX-SCE-38.1-50-Colour</td>
<td>38.10</td>
<td>19.05</td>
<td>20.95 - 33.02</td>
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Alternative packaging sizes also available please ask for details.

Standard Colours Available

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<tr>
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<th>4</th>
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</thead>
<tbody>
<tr>
<td>White</td>
<td>Yellow</td>
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</tbody>
</table>

For non standard colours please contact us for details and MOQ’s.
Wire and Cable Markers

D-SCE
Fluid Resistant
Heat Shrink Identification Sleeves

Suitable for applications where exposure to organic fluids, especially oils, is required. Designed to operate in these conditions at elevated temperatures for extended periods, making them ideal for rail and construction industries.

Features & Benefits
- Resistance to organic fluids, common fuels, lubricants and solvents.
- Available as pre-scored marker sleeves.

Operating Temperature Range
- -75°C to +135°C

Installation
- Minimum recovery temperature +135°C
- Maximum storage temperature +40°C

Recommended printers: T200-IDENT-PRINTER and the TE3112.
Approved ribbon: 1966-RIBBON

Specifications and Approvals
- AMS AS5942 4.1 (print adherence)
- MIL-STD-202G method 215 (solvent resistance)
- SAE AMS DTL 23053/6 Class 1
- EN50343 appendix H
- SNCF NF F 00608 (cat. A & H)

Alternative packaging sizes also available please ask for details
* Please note that shrink ratio is 2:1

Standard Colours Available

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<th>Colour</th>
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<td>Yellow</td>
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For non standard colours please contact us for details and MOQ’s.

Ordering Description | Supplied Ø mm | Recovered Ø mm | Recommended Range mm | Pack Size |
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<td>D-SCE-2.4-50-Colour</td>
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<td>0.79</td>
<td>0.81 - 1.90</td>
<td>250 pcs</td>
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<td>1.07</td>
<td>1.11 - 2.66</td>
<td>250 pcs</td>
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<td>1.57</td>
<td>1.75 - 4.06</td>
<td>250 pcs</td>
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<tr>
<td>D-SCE-6.4-50-Colour</td>
<td>6.35</td>
<td>2.11</td>
<td>2.31 - 5.46</td>
<td>250 pcs</td>
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<tr>
<td>D-SCE-9.5-50-Colour</td>
<td>9.52</td>
<td>3.18</td>
<td>3.47 - 8.12</td>
<td>250 pcs</td>
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<tr>
<td>D-SCE-12-50-Colour</td>
<td>12.70</td>
<td>4.22</td>
<td>4.64 - 10.79</td>
<td>250 pcs</td>
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<tr>
<td>D-SCE-25-50-Colour</td>
<td>25.40</td>
<td>8.46</td>
<td>9.29 - 12.59</td>
<td>250 pcs</td>
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<tr>
<td>D-SCE-38-50-Colour*</td>
<td>38.10</td>
<td>19.05</td>
<td>20.95 - 33.02</td>
<td>250 pcs</td>
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</tbody>
</table>
Wire and Cable Markers

ZHD-SCE
Halogen Free and Fluid Resistance Heat Shrink Identification Sleeves

Manufactured using a specially developed radiation cross-linked, zero halogen material. Designed specifically to bridge the gap for installations where the highest performance is demanded from an identification sleeve.

Features & Benefits
• Meets international rail LFH standards
• No Halogens, Sulphur and Nitrogen
• Non-flame propagating
• High performance print quality.
• Available as pre-scored marker sleeves.

Operating Temperature Range
• -55°C to +135°C

Installation
• Minimum recovery temperature +120°C
• Maximum storage temperature +40°C

Recommended printers: T200-IDENT-PRINTER and the TE3112.

Approved ribbon: 1966-RIBBON

Specifications and Approvals
• SAE AS5942 (print adherence)
• MIL-STD-202G method 215 (solvent resistance)
• EN45545-2 R22 HL2
• BS 6853 Cat II
• EN 50343 (Appendix H)

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Supplied Ø mm</th>
<th>Recovered Ø mm</th>
<th>Recommended Range mm</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZHD-SCE-2.4-50-Colour</td>
<td>2.4</td>
<td>1.19</td>
<td>1.27 - 1.90</td>
<td>250 pcs</td>
</tr>
<tr>
<td>ZHD-SCE-3.2-50-Colour</td>
<td>3.2</td>
<td>1.58</td>
<td>1.77 - 2.66</td>
<td>250 pcs</td>
</tr>
<tr>
<td>ZHD-SCE-4.8-50-Colour</td>
<td>4.8</td>
<td>2.36</td>
<td>2.54 - 4.06</td>
<td>250 pcs</td>
</tr>
<tr>
<td>ZHD-SCE-6.4-50-Colour</td>
<td>6.4</td>
<td>3.18</td>
<td>3.81 - 5.46</td>
<td>250 pcs</td>
</tr>
<tr>
<td>ZHD-SCE-9.5-50-Colour</td>
<td>9.5</td>
<td>4.75</td>
<td>5.59 - 8.12</td>
<td>250 pcs</td>
</tr>
<tr>
<td>ZHD-SCE-12.7-50-Colour</td>
<td>12.7</td>
<td>6.35</td>
<td>6.99 - 10.79</td>
<td>250 pcs</td>
</tr>
<tr>
<td>ZHD-SCE-19-50-Colour</td>
<td>19.0</td>
<td>9.53</td>
<td>10.16 - 16.25</td>
<td>250 pcs</td>
</tr>
<tr>
<td>ZHD-SCE-25.4-50-Colour</td>
<td>25.4</td>
<td>12.70</td>
<td>14.29 - 21.59</td>
<td>250 pcs</td>
</tr>
<tr>
<td>ZHD-SCE-38.1-50-Colour</td>
<td>38.1</td>
<td>19.05</td>
<td>20.95 - 33.02</td>
<td>250 pcs</td>
</tr>
</tbody>
</table>

Alternative packaging sizes also available please ask for details

Standard Colours Available

9
White

4
Yellow

For non standard colours please contact us for details and MOQ’s.
UV-SCE
UV Resistant, Flame Retardant Heat Shrink Identification Sleeves

The solution to identify wires and cables where extreme resistance to Ultra Violet (UV) and harsh weather conditions are required. UV-SCE offers outstanding physical performance, mark permanence and excellent legibility after 25,000 hours of UV and moisture exposure, without degradation.

Features & Benefits
- UV Resistant
- Flame retardant polymer compound
- Available as pre-scored marker sleeves.

Operating Temperature Range
- -55°C to +200°C

Installation
- Minimum recovery temperature +135°C
- Maximum storage temperature +40°C

Recommended printers: T200-IDENT-PRINTER and the TE3112.

Approved ribbon: T300-UV-SCE-RIBBON

Specifications and Approvals
- SAE AS5942 (print adherence)
- MIL-STD-202G method 215 (solvent resistance)
- EN45545-2 Class 3 R24
- IEC 60068-2, -5, procedure B
- NFT 46-019 method A
- BS EN 60068-2-5 B

Ordering Description | ID Supplied | ID Recovered | Recommended Range | Pack Size
--- | --- | --- | --- | ---
UV-SCE-3/32-2.0-Colour | 2.4 | 0.79 | 0.81 - 1.90 | 250 pcs
UV-SCE-1/8-2.0-Colour | 3.2 | 1.58 | 1.75 - 2.66 | 250 pcs
UV-SCE-3/16-2.0-Colour | 4.8 | 2.36 | 2.54 - 4.06 | 250 pcs
UV-SCE-1/4-2.0-Colour | 6.4 | 3.18 | 3.40 - 6.00 | 250 pcs
UV-SCE-3/8-2.0-Colour | 9.5 | 4.75 | 5.30 - 8.10 | 250 pcs
UV-SCE-1/2-2.0-Colour | 12.7 | 6.35 | 6.60 - 11.40 | 250 pcs
UV-SCE-1-2.0-Colour | 25.4 | 12.70 | 13.30 - 23.00 | 250 pcs
UV-SCE-1-1/2-2.0-Colour | 38.1 | 19.05 | 20.95 - 34.00 | 250 pcs

Alternative packaging sizes also available please ask for details

For non standard colours please contact us for details and MOQ’s.
**RPS**  
**Commercial Grade**  
**Heat Shrink Identification Sleeves**

RPS markers are heat-shrinkable marker sleeves for general industrial applications, whilst resistant to abrasion, aggressive cleaning solvents and industrial fluids.

**Features & Benefits**

- Flame retardant
- Available as pre-scored marker sleeves.

**Operating Temperature Range**

- -30°C to +105°C

**Installation**

- Minimum recovery temperature +120°C
- Maximum storage temperature +40°C

Recommended printers:
T200-IDENT-PRINTER and the TE3112.

Approved ribbon:
TMS-RJS-RIBBON-4RPSCE

---

**Specifications and Approvals**

- SAE AS 81531 4.6.2 (print adherence)
- MIL-STD-202 method 215J (solvent resistance)
- UL 224 (file E35586)
- CSA Certified (file 31929)

---

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Supplied Ø mm</th>
<th>Recovered Ø mm</th>
<th>Recommended Range mm</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPS-22-18/2.0-Colour</td>
<td>3.18</td>
<td>1.07</td>
<td>1.17 - 2.66</td>
<td>250 pcs</td>
</tr>
<tr>
<td>RPS-18-12/2.0-Colour</td>
<td>4.75</td>
<td>1.57</td>
<td>1.75 - 4.06</td>
<td>250 pcs</td>
</tr>
<tr>
<td>RPS-16-10/2.0-Colour</td>
<td>6.35</td>
<td>2.11</td>
<td>2.31 - 5.46</td>
<td>250 pcs</td>
</tr>
<tr>
<td>RPS-8-4/2.0-Colour</td>
<td>9.53</td>
<td>3.18</td>
<td>3.47 - 8.12</td>
<td>250 pcs</td>
</tr>
<tr>
<td>RPS-10-2/2.0-Colour</td>
<td>12.70</td>
<td>4.22</td>
<td>4.64 - 10.79</td>
<td>250 pcs</td>
</tr>
<tr>
<td>RPS-6-250/2.0-Colour</td>
<td>19.05</td>
<td>6.35</td>
<td>6.99 - 16.25</td>
<td>250 pcs</td>
</tr>
<tr>
<td>RPS-1-400/2.0-Colour</td>
<td>25.40</td>
<td>8.46</td>
<td>9.29 - 21.59</td>
<td>250 pcs</td>
</tr>
<tr>
<td>RPS-400-1000/2.0-Colour*</td>
<td>38.10</td>
<td>19.05</td>
<td>20.95 - 3.02</td>
<td>250 pcs</td>
</tr>
</tbody>
</table>

Alternative packaging sizes also available please ask for details  
* Please note that shrink ratio is 2:1

---

**Standard Colours Available**

- White
- Yellow

For non standard colours please contact us for details and MOQ’s.
Wire and Cable Markers

TMS-CCUV
Military Grade, UV Protection
Cut Piece Clear Heat Shrink Sleeves

Designed to provide increased protection for identification products in outdoor applications. The clear heat-shrinkable sleeves provide a barrier to the effects of ultraviolet (UV) radiation and tough resistance to abrasion and fluids.

Standard colour Clear only.

Features & Benefits
- Added UV protection
- Resistance to abrasion and fluids

Operating Temperature Range
- -55°C to +150°C

Installation
- Minimum recovery temperature +150°C
- Maximum storage temperature +40°C

Specifications and Approvals
- UL VW-1 rated
- SAE AMS DTL 23053/18, Class 2

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Supplied Ø mm</th>
<th>Recovered Ø mm</th>
<th>Length mm</th>
<th>Recommended Range mm</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMS-CCUV-SLEEVE-1</td>
<td>3.2</td>
<td>1.6</td>
<td>65</td>
<td>1.80 - 2.80</td>
<td>250 pcs</td>
</tr>
<tr>
<td>TMS-CCUV-SLEEVE-2</td>
<td>4.8</td>
<td>2.4</td>
<td>65</td>
<td>2.60 - 3.70</td>
<td>250 pcs</td>
</tr>
<tr>
<td>TMS-CCUV-SLEEVE-3</td>
<td>6.4</td>
<td>3.2</td>
<td>65</td>
<td>3.50 - 5.10</td>
<td>250 pcs</td>
</tr>
<tr>
<td>TMS-CCUV-SLEEVE-4</td>
<td>9.5</td>
<td>4.8</td>
<td>65</td>
<td>5.00 - 7.00</td>
<td>250 pcs</td>
</tr>
<tr>
<td>TMS-CCUV-SLEEVE-5</td>
<td>12.7</td>
<td>6.4</td>
<td>65</td>
<td>6.90 - 10.60</td>
<td>250 pcs</td>
</tr>
<tr>
<td>TMS-CCUV-SLEEVE-6</td>
<td>19.0</td>
<td>9.5</td>
<td>65</td>
<td>10.00 - 14.00</td>
<td>250 pcs</td>
</tr>
<tr>
<td>TMS-CCUV-SLEEVE-7</td>
<td>25.4</td>
<td>12.7</td>
<td>65</td>
<td>13.30 - 21.00</td>
<td>250 pcs</td>
</tr>
<tr>
<td>TMS-CCUV-SLEEVE-8</td>
<td>38.0</td>
<td>19.0</td>
<td>65</td>
<td>21.00 - 33.80</td>
<td>250 pcs</td>
</tr>
</tbody>
</table>

Also available in 32mm and 76mm lengths, in selected sizes, please ask for details
Tie-On Cable markers are flat, non-adhesive labels that can be used to identify large cables and wire bundles in particularly aggressive environment.

<table>
<thead>
<tr>
<th>Product</th>
<th>SAE AS 81531</th>
<th>SAE-AMS DTL-23053</th>
<th>Operating Temperature</th>
<th>Size (mm)</th>
<th>Thermal Print</th>
<th>Standard Colours</th>
<th>Non Standard Colours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-SCE-TP</td>
<td>•</td>
<td>•</td>
<td>-55°C to +135°C</td>
<td>10.4 and 51.5</td>
<td>• • • •</td>
<td>Polyolefin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLX125</td>
<td>•</td>
<td>•</td>
<td>-40°C to +105°C</td>
<td>80 x 12.5</td>
<td>• • • •</td>
<td>Zero halogen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PM316</td>
<td>•</td>
<td>•</td>
<td>-80°C to +500°C</td>
<td>95 x 12</td>
<td>n/a •</td>
<td>Stainless Steel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Wire and Cable Markers

CM-SCE-TP
Military Grade
Tie-On Cable Marker

Specifications and Approvals
- SAE AS 5942
- MIL-STD-202F Method 215
- EN45545-2 Class 3, R24, HL3
- NFPA130
- UL MH26328 Group PG1S2

These non-adhesive labels can be used to identify large cables and wire bundles in particularly aggressive environments. Can be applied post cable termination using cable ties.

Manufactured using specially developed radiation cross-linked flame retarded polymer. Typical installation include mass transit, military and aerospace.

Colours available are White (9) or Yellow (4).

Features & Benefits
- Highly flame resistant - excellent resistance to burning (Oxygen Index 35%).
- Resistant to key industrial and military grade fluids, as defined by RW-2513.

Operating Temperature Range
- -55°C to +135°C

High temperature version HTCM-SCE-TP also available offering 225°C please call us.

Ordering Description | Size (inch) | Markable Height mm | Markable Length mm | Recommended Range mm | Pack Size
--- | --- | --- | --- | --- | ---
4 Tie Holes
CM-SCE-TP-1/4-4H-4 or 9 | 1/4 | 6.4 | 50.80 | 5.08 to 12.50 | 250 pcs
CM-SCE-TP-1/2-4H-4 or 9 | 1/2 | 12.70 | 50.80 | 12.50 and up | 250 pcs

6 Tie Holes
CM-SCE-TP-1/4-6H-4 | 1/4 | 6.4 | 50.80 | 5.08 to 12.50 | 250 pcs
CM-SCE-TP-1/2-6H-4 or 9 | 1/2 | 12.70 | 50.80 | 12.50 and up | 250 pcs

Alternative packaging sizes also available please ask for details
Recommended printers: T200-IDENT-PRINTER and the TE3112 printer.
Approved ribbon 1966-RIBBON
Wire and Cable Markers

HLX125-NEL
Halogen free, Low Fire hazard
Tie-On Cable Marker

Low Fire Hazard, UV stabilised, cross-linked polyolefin Cable Markers, assembled in a Narrow Edge Leading ‘NEL’ format. Consisting of a continuous strip formed into punched tie on Cable Markers. Cable Markers have perforated edges for easy removal.

Markers are printed by a computer-based system and are attached using cable ties. Ideal for applications where low fire hazard characteristics (low smoke, low toxicity and low flammability) are critical.

Standard colours available are White or Yellow.

Features & Benefits

- Recommended for use where combustion of products may endanger personnel or delicate electronics.
- Two formats available.
- Ideal for pre or post termination assembly.

Specifications and Approvals

- SAE AS5942
- MIL-STD-202 Method 215
- London Underground 1-085 A3
- EN45545-2 R22/R23/R24 HL3
- BS 6853 Vehicle cat 1a
- NF F 16-101 Class A1

Operating Temperature Range

- -40°C to +105°C

Ordering Description | Marker Dimensions mm | Printable Area mm | No. Markers Across | Pack Size |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HLX125-Colour-4NEL60S</td>
<td>80.0 x 12.5</td>
<td>60.0 x 10.5</td>
<td>4</td>
<td>200 pcs per roll</td>
</tr>
<tr>
<td>HLX125-Colour-2NEL60S</td>
<td>80.0 x 12.5</td>
<td>60.0 x 10.5</td>
<td>2</td>
<td>200 pcs per roll</td>
</tr>
</tbody>
</table>

Recommended printers: T200-IDENT-PRINTER and the TE3112 printer.
Approved ribbon 1966-RIBBON
Permark® 316 stainless steel markers are recommended for use in highly demanding applications. Using state of the art technology and no inks, the marking process produces a permanent, deep surface mark with a darkened character in high contrast to the background.

Pre-print service option only.

Offering excellent resistance to a variety of hydrocarbons, organic chemicals, acids, alkali and inorganic salts.

Features & Benefits

- Pre-marked to customer requirements.
- Variety of fixing methods possible.
- Mark will endure the lifetime of a Permark stainless steel marker.
- Excellent resistance to weather extremes and high levels of UV light.
- Resistant to corrosive marine and industrial atmospheres.
- Excellent resistance to a variety of hydrocarbons, organic chemicals, acids, alkalis & inorganic salts.

For resistance to a specific chemicals and substances, please contact us.

Operating Temperature Range

- -80°C to +500°C

For additional information on this product, associated part number and options please contact us direct.

Typical sizes are:

- 95 x 12mm, printable area 55 x 10mm
- 85 x 12mm, printable area 50 x 10mm
- 75 x 7mm, printable area 50 x 5mm

As these parts are made to order please contact us for details.
## Label Selection Chart
### Adhesive Identification Labels
### Overview

Range of self-adhesive labels available in various forms and colours for either self printing or using our pre-print service.

<table>
<thead>
<tr>
<th>Product</th>
<th>UL</th>
<th>ASTM D3330</th>
<th>SAE AD 4952</th>
<th>BMS 13-47</th>
<th>Operating Temperature</th>
<th>Size</th>
<th>Thermal Printing</th>
<th>Standard Colours</th>
<th>Non Standard Colours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBP</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td>-40°C to +80°C</td>
<td>Various</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Self-laminating</td>
</tr>
<tr>
<td>PVF</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td>-40°C to +107°C</td>
<td>Various</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Self-laminating</td>
</tr>
<tr>
<td>MP</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td>-40°C to +150°C</td>
<td>Various</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Metalised polyester</td>
</tr>
<tr>
<td>MV</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td>-40°C to +150°C</td>
<td>Various</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Temper evident</td>
</tr>
<tr>
<td>WP</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td>-40°C to +150°C</td>
<td>Various</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Polyester</td>
</tr>
<tr>
<td>TTP</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td>-29°C to +150°C</td>
<td>Various</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Polyester</td>
</tr>
<tr>
<td>Raymark A4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-40°C to +105°C</td>
<td>A4</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>Ink-jet printable</td>
</tr>
</tbody>
</table>
Clear vinyl film with a permanent acrylic based adhesive, supplied with a white thermal transfer printable area, which is over-laminated upon application with the clear portion of the label.

Can also be ‘flagged’ around a wire rather than wrapped. This self-laminating feature protects the printed area from exposure to oil, solvents, water and abrasion.

Printable area is equal to the width of the label and the printable height as identified in the table below.

Standard colour is White with a clear tail.

**Specifications and Approvals**

- ASTM D3330
- ASTM 3611
- MIL-STD-202 Method 215
- UL969 PGJ12 MH17292

**Features & Benefits**

- Strong adhesive, prevents lift off and seals.
- Base material allows the printing to remain clear after lamination.
- Designed to withstand exposure to oil, solvents and water.

**Operating Temperature Range**

- -40°C to +110°C

---

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Label Size mm</th>
<th>Printable Height mm</th>
<th>Max. Cable OD mm</th>
<th>No. Labels Across</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Height x Width</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SBP050100WE10</td>
<td>25.4 x 12.7</td>
<td>8.5</td>
<td>5.1</td>
<td>5</td>
<td>10,000</td>
</tr>
<tr>
<td>SBP050143WE10</td>
<td>36.5 x 12.7</td>
<td>12.7</td>
<td>7.6</td>
<td>5</td>
<td>10,000</td>
</tr>
<tr>
<td>SBP075094WE10</td>
<td>23.9 x 19.1</td>
<td>9.5</td>
<td>7.6</td>
<td>4</td>
<td>10,000</td>
</tr>
<tr>
<td>SBP080150WE10</td>
<td>38.1 x 20.3</td>
<td>12.7</td>
<td>7.6</td>
<td>4</td>
<td>10,000</td>
</tr>
<tr>
<td>SBP100143WE5</td>
<td>36.5 x 25.4</td>
<td>12.7</td>
<td>7.6</td>
<td>3</td>
<td>5,000</td>
</tr>
<tr>
<td>SBP100225WE5</td>
<td>57.2 x 25.4</td>
<td>19.1</td>
<td>12.2</td>
<td>3</td>
<td>5,000</td>
</tr>
<tr>
<td>SBP100375WE2.5</td>
<td>95.3 x 25.4</td>
<td>25.4</td>
<td>22.4</td>
<td>3</td>
<td>2,500</td>
</tr>
<tr>
<td>SBP100594WE1</td>
<td>151.0 x 25.4</td>
<td>38.1</td>
<td>35.6</td>
<td>3</td>
<td>1,000</td>
</tr>
<tr>
<td>SBP100743WE1</td>
<td>188.9 x 25.4</td>
<td>38.1</td>
<td>35.6</td>
<td>3</td>
<td>1,000</td>
</tr>
<tr>
<td>SBP190319WE2.5</td>
<td>81.0 x 48.3</td>
<td>19.1</td>
<td>12.2</td>
<td>2</td>
<td>2,500</td>
</tr>
<tr>
<td>SBP190594WE1</td>
<td>151.0 x 48.3</td>
<td>38.1</td>
<td>35.6</td>
<td>2</td>
<td>1,000</td>
</tr>
<tr>
<td>SBP200143WE2.5</td>
<td>6.5 x 50.8</td>
<td>12.7</td>
<td>7.6</td>
<td>2</td>
<td>2,500</td>
</tr>
<tr>
<td>SBP200225WE2.5</td>
<td>57.2 x 50.8</td>
<td>19.1</td>
<td>12.2</td>
<td>2</td>
<td>2,500</td>
</tr>
<tr>
<td>SBP200375WE2.5</td>
<td>95.3 x 50.8</td>
<td>25.4</td>
<td>22.4</td>
<td>2</td>
<td>2,500</td>
</tr>
<tr>
<td>SBP200743WE</td>
<td>188.9 x 50.8</td>
<td>38.1</td>
<td>48.3</td>
<td>2</td>
<td>11,000</td>
</tr>
</tbody>
</table>

Recommended printers T200-IDENT-PRINTER and the TE3112 printer.
Approved ribbon TMS-RJS-RIBBON-4RPSCE
Wire and Cable Markers

PVF
Self Laminating Labels
Thermal Transfer Printable

Translucent polyvinyl fluoride film with a permanent acrylic adhesive, designed for wire and cable marking applications that require the ‘self-extinguishing’ properties of polyvinyl fluoride. Supplied with a white printable area, which is over-laminated upon application.

PVF has a low-profile design making it suitable for wrapping onto thin wire gauges as well as excellent conform-ability to round, irregular or flexible surfaces and is ideal for wire & cable identification, including flat ribbon cables that are subject to repeated bending.

Features & Benefits
- Thermal transfer printable
- Excellent UV resistance
- Excellent conform-ability to round, irregular and flexible surfaces.
- High resistance to aging

Operating Temperature Range
- -40°C to +107°C

Specifications and Approvals
- ASTM D1000-76
- AS-81531
- MIL-STD-202 Method 215
- MIL STD 833C
- BMS 13-47
- NGM802AK

Ordering Description | Label Width mm | Label Height mm | Labels Across | Pack Size
--- | --- | --- | --- | ---
PVF050100WE10 | 12.7 | 25.4 | 5 | 10,000
PVF080150WE10 | 20.3 | 38.1 | 4 | 10,000
PVF100143WE5 | 25.4 | 36.5 | 3 | 5,000
PVF200143WE2.5 | 50.8 | 36.5 | 2 | 2,500
PVF100225WE5 | 25.4 | 57.2 | 3 | 5,000
PVF190319WE205 | 48.3 | 81.0 | 2 | 2,500
PVF100375WE2.5 | 25.4 | 95.3 | 3 | 2,500
PVF200375WE2.5 | 50.8 | 65.3 | 2 | 2,500
PVF100594WE1 | 25.4 | 151.0 | 3 | 1,000
PVF100743WE1 | 25.4 | 188.9 | 3 | 1,000
PVF190594WE1 | 48.3 | 151.0 | 2 | 1,000
PVF200743WE1 | 50.8 | 188.9 | 2 | 1,000

Recommended printers: T200-IDENT-PRINTER plus the TE3112 printer
Approved ribbon 1330-3300-10

RoHS compliant

Approved ribbon 1330-3300-10

Recommended printers: T200-IDENT-PRINTER plus the TE3112 printer

RoHS compliant
MP is a thermal transfer printable metalised polyester film with permanent acrylic adhesive, designed for rating plates and other applications that require a metal look, such as nameplates, equipment labels, detailed product information labels and serial number plates. MP is UL Listed and CSA certified. Standard colour is Silver, metalised polyester

**Features & Benefits**
- Thermal transfer printable
- Several die-cut sizes available
- Metalised appearance
- UL listed and CSA certified
- Ideal for rating plate applications

**Operating Temperature Range**
- -40°C to +150°C

The table below only represents a selection of MP label products available, for a complete list or more detailed information please contact us for details.

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Label Width mm</th>
<th>Label Height mm</th>
<th>Labels Across</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP-080080-10-8A</td>
<td>8.0</td>
<td>8.0</td>
<td>8</td>
<td>10,000</td>
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<td>MP-095080-25-8A</td>
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<td>25,000</td>
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<tr>
<td>MP-127111-10-8A</td>
<td>12.7</td>
<td>11.1</td>
<td>5</td>
<td>10,000</td>
</tr>
<tr>
<td>MP-165102-10-8A</td>
<td>16.5</td>
<td>10.2</td>
<td>5</td>
<td>10,000</td>
</tr>
<tr>
<td>MP-191114-18-8A</td>
<td>19.1</td>
<td>11.4</td>
<td>3</td>
<td>15,000</td>
</tr>
<tr>
<td>MP-254045-10-8A</td>
<td>25.4</td>
<td>4.6</td>
<td>3</td>
<td>10,000</td>
</tr>
<tr>
<td>MP-254127-10-8A</td>
<td>25.4</td>
<td>12.7</td>
<td>3</td>
<td>10,000</td>
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<tr>
<td>MP-445102-5-8A</td>
<td>44.5</td>
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<td>1</td>
<td>5,000</td>
</tr>
<tr>
<td>MP-762508-2.5-8A</td>
<td>76.2</td>
<td>50.8</td>
<td>1</td>
<td>2,500</td>
</tr>
</tbody>
</table>

Recommended printers: T200-IDENT-PRINTER plus the TE3112 printer
Approved ribbon 1330-0607-10

Specifications and Approvals
- ASTM AS 4952
- MIL-STD-202 Method 215
- FTM-1
- UL969 PGJ12 MH17292
- UL969 PGJ18 MH17292 (Canadian)

**Specifications and Approvals**

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Label Width mm</th>
<th>Label Height mm</th>
<th>Labels Across</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVF050100WE10</td>
<td>12.7</td>
<td>25.4</td>
<td>5</td>
<td>10,000</td>
</tr>
<tr>
<td>PVF080150WE10</td>
<td>20.3</td>
<td>38.1</td>
<td>4</td>
<td>10,000</td>
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<tr>
<td>PVF100143WE5</td>
<td>25.4</td>
<td>36.5</td>
<td>3</td>
<td>5,000</td>
</tr>
<tr>
<td>PVF200143WE2.5</td>
<td>50.8</td>
<td>36.5</td>
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<td>2,500</td>
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<tr>
<td>PVF100225WE5</td>
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<td>57.2</td>
<td>3</td>
<td>5,000</td>
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<tr>
<td>PVF190319WE205</td>
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<td>81.0</td>
<td>2</td>
<td>2,500</td>
</tr>
<tr>
<td>PVF100375WE2.5</td>
<td>25.4</td>
<td>95.3</td>
<td>3</td>
<td>2,500</td>
</tr>
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<td>65.3</td>
<td>2</td>
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<tr>
<td>PVF100594WE1</td>
<td>25.4</td>
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<td>3</td>
<td>1,000</td>
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<tr>
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<td>25.4</td>
<td>188.9</td>
<td>3</td>
<td>1,000</td>
</tr>
<tr>
<td>PVF190594WE1</td>
<td>48.3</td>
<td>151.0</td>
<td>2</td>
<td>1,000</td>
</tr>
<tr>
<td>PVF200743WE1</td>
<td>50.8</td>
<td>188.9</td>
<td>2</td>
<td>1,000</td>
</tr>
</tbody>
</table>

Recommended printers: T200-IDENT-PRINTER plus the TE3112 printer
Approved ribbon 1330-0607-10

www.is-rayfast.com
Wire and Cable Markers

MV
White Polyester Labels
Thermal Transfer Printing

MV is a thermal transfer printable metalised polyester film with a permanent acrylic adhesive, designed with a tamper-evident feature which leaves a ‘VOID’ footprint when removed. It is ideal for applications such as rating plate and serial number labels that require protection against removal.

Standard colour is Silver, metalised polyester.

Features & Benefits
- Thermal transfer printable
- Metalised appearance
- Ideal for security applications
- UL recognised

Operating Temperature Range
- -40ºC to +150ºC

The table below only represents a selection of MV label products available, for a complete list or more detailed information please contact us for details.

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Label Width mm</th>
<th>Label Height mm</th>
<th>Labels Across</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MV-040040-25-8A</td>
<td>4.0</td>
<td>4.0</td>
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<tr>
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<td>9.5</td>
<td>7</td>
<td>10,000</td>
</tr>
<tr>
<td>MV-127127-10-8A</td>
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<td>12.7</td>
<td>5</td>
<td>10,000</td>
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<tr>
<td>MV-191114-15-8A</td>
<td>19.1</td>
<td>11.4</td>
<td>3</td>
<td>15,000</td>
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<tr>
<td>MV-254064-10-8A</td>
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<td>6.4</td>
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<tr>
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<tr>
<td>MV-508127-8-8A</td>
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<tr>
<td>MV-762508-2.5-8A</td>
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<td>1</td>
<td>2,500</td>
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<td>MV-101508-2.5-8A</td>
<td>101.6</td>
<td>50.8</td>
<td>1</td>
<td>2,500</td>
</tr>
<tr>
<td>MV-101101-1.3-8A</td>
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<td>101.6</td>
<td>1</td>
<td>1,300</td>
</tr>
</tbody>
</table>

Recommended printers: T200-IDENT-PRINTER and the TE3112 printer.
Approved ribbon 1330-0607-10
WP is a white polyester film with a permanent acrylic adhesive. It is ideal for bar coding, PCB and component labelling, as well as general purpose labelling applications that require a high durability white label. WP is resistant to a variety of solvents while maintaining print quality. It is UL listed and print performance and durability are reliable when used with specified ribbons.

Standard colour available is White.

Features & Benefits

- Ideal for use on PCB component labelling
- Ink receptive topcoat
- Excellent for bar code applications
- UL listed and CSA certified

Operating Temperature Range

- -40°C to +150°C

The table below only represents a selection of WP label products available, for a complete list or more detailed information please contact us for details.

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Label Width mm</th>
<th>Label Height mm</th>
<th>Labels Across</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP-127111-10-9</td>
<td>12.7</td>
<td>11.1</td>
<td>5</td>
<td>10,000</td>
</tr>
<tr>
<td>WP-165051-25-9</td>
<td>16.5</td>
<td>5.1</td>
<td>4</td>
<td>25,000</td>
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<tr>
<td>WP-171171-10-9</td>
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<td>17.1</td>
<td>5</td>
<td>10,000</td>
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<tr>
<td>WP-191064-10-9</td>
<td>19.1</td>
<td>6.4</td>
<td>4</td>
<td>10,000</td>
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<td>WP-229064-10-9</td>
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<td>3</td>
<td>10,000</td>
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<tr>
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<td>10,000</td>
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<tr>
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<td>19.1</td>
<td>2</td>
<td>5,000</td>
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<td>50.8</td>
<td>12.7</td>
<td>1</td>
<td>5,000</td>
</tr>
</tbody>
</table>

Recommended printers: T200-IDENT-PRINTER and the TE3112 printer.
Approved ribbon 1330-0607-10
Wire and Cable Markers

TTP
Continuous Polyester for Decals
Thermal Transfer Printable

This highly durable system offers the features of ‘Silk Screened’ labels, only without the cost, time and inflexibility involved. The product utilises high performance polyester with permanent adhesive, suitable for panel labels, fascias and decals.

Features & Benefits
• Effective alternative solution for expensive silk-screen printing
• Continuous format
• Several widths and colours available
• Interior and exterior aircraft use including flight entertainment and deck instrumentation.

Operating Temperature Range
• Clear from -40°C to +125°C
• Other from -29°C to +150°C

Specifications and Approvals
• A-A-59485
• GAT100BB
• UL MH17292 Group PGJ12 (polywhite)

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Label Width mm</th>
<th>Roll Length m</th>
<th>Qty per Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard adhesive version</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TTP200-Colour-10</td>
<td>50.8</td>
<td>30.48m (100ft)</td>
<td>Continuous Roll</td>
</tr>
<tr>
<td>TTP300-Colour-10</td>
<td>73.2</td>
<td>30.48m (100ft)</td>
<td>Continuous Roll</td>
</tr>
<tr>
<td>TTP400-Colour-10</td>
<td>101.6</td>
<td>30.48m (100ft)</td>
<td>Continuous Roll</td>
</tr>
<tr>
<td>TTP600-Colour-10</td>
<td>152.4</td>
<td>30.48m (100ft)</td>
<td>Continuous Roll</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>High tack adhesive version</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TTPA200-Colour-10</td>
<td>50.8</td>
<td>30.48m (100ft)</td>
<td>Continuous Roll</td>
</tr>
<tr>
<td>TTPA300-Colour-10</td>
<td>73.2</td>
<td>30.48m (100ft)</td>
<td>Continuous Roll</td>
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<td>TTPA400-Colour-10</td>
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<td>30.48m (100ft)</td>
<td>Continuous Roll</td>
</tr>
<tr>
<td>TTPA600-Colour-10</td>
<td>152.4</td>
<td>30.48m (100ft)</td>
<td>Continuous Roll</td>
</tr>
</tbody>
</table>

Ordering Information: Standard colours: CL = Clear, WE = White and MP = Metalised Non-Standard: RD = Red, GN = Green, BE = Blue; OE = Orange, BK = Black and YW = Yellow

Recommended printers: T200-IDENT-PRINTER and the TE3112 printer.

Approved ribbon 1330-0607-10
Raymark is a computer printer label stock with outstanding fluid and abrasion resistance, for ink-jet printers.

When heat-cured after printing, the heat reactive epoxy surface “locks-in” the printed image. Typical applications are rating plate labels, wiring diagrams, component identification and wraparound markers.

Standard colour available is White

Features & Benefits
- Outstanding adhesion to many surfaces
- Outstanding fluid and abrasion resistance.
- Low fire hazard properties
- Indoor use only

Operating Temperature Range
- Wire marking -40°C to +85°C
- Panel marking -40°C to +105°C

Specifications and Approvals
- MIL-M-81531 (mark permanence)
- MIL-STD-202F Method 215 (solvent resistance)

<table>
<thead>
<tr>
<th>Ordering Description</th>
<th>Label Height mm</th>
<th>Label Width mm</th>
<th>No. Labels / reel</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>RMK-9x25-A4</td>
<td>9</td>
<td>25</td>
<td>132 labels</td>
<td>50 Sheets</td>
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<tr>
<td>RMK-18x35-A4</td>
<td>18</td>
<td>35</td>
<td>48 labels</td>
<td>50 Sheets</td>
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<tr>
<td>RMK-18x50-A4</td>
<td>18</td>
<td>50</td>
<td>36 labels</td>
<td>50 Sheets</td>
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<tr>
<td>RMK-25x50-A4</td>
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<td>50</td>
<td>27 labels</td>
<td>50 Sheets</td>
</tr>
<tr>
<td>RMK-25x75-A4</td>
<td>25</td>
<td>75</td>
<td>18 labels</td>
<td>50 Sheets</td>
</tr>
<tr>
<td>RMK-35x75-A4</td>
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<td>50 Sheets</td>
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<tr>
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<td>50 Sheets</td>
</tr>
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<td>150</td>
<td>3 labels</td>
<td>50 Sheets</td>
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<td>RMK-UNCUT-A4</td>
<td>A4</td>
<td>A4</td>
<td>1 label</td>
<td>50 Sheets</td>
</tr>
</tbody>
</table>

A standard pack contains 50 sheets in environmentally sealed package, if opened the labels should be stored at a temperature no greater than +25°C @ 80% humidity and used within 6 months. An un-opened pack can be stored at a temperature no greater then +35°C and has a recommended shelf life of 12 months.

For full product performance characteristics, refer to product data sheets TH-93269 (UK) and H54584 (USA).

Recommended printers: New Raymark ink jet printer EPSON WF-5190DW.
Also refer to the TE 411-121005 (ribbon/ink matrix)
WinTotal is a label/marker design package that makes wire marker printing simple in an industrial environment. Running in the familiar Windows environment, WinTotal v6 has 2,500 standard TE Connectivity (TE) Identification products pre-installed. This makes the creation and printing of identification sleeves or labels a quick and simple task. Using the advanced editor, it is also possible to create complex layouts that relate to active data fields, giving a true WYSIWYG representation.

WinTotal v6 now fully supports Unicode. This allows for multilingual text to be printed using any or all of the languages required. If a character has a Unicode equivalent, then WinTotal v6 will display and print that character, if it can be written into a Microsoft application, it can be copied into WinTotal v6.

Key Features & Benefits
- Multi-lingual user interface.
- Pre-loaded WYSIWYG templates.
- Graphical user interface with WYSIWYG display.
- Clipart gallery with commonly used symbols, on V6 and above only.
- Incremental alpha and numeric fields.
- Accepts and prints data in any language - Unicode data support (V6 only).
- Multiple Label Design Objects: Text, lines, boxes, circles and images.
- Double sided marker printing complete with WYSIWYG display.
- Extensive Barcode and 2D barcode support.
- Advanced label design elements & tools: Text boxes, rich text formatting, variable font size.
- Image files supported (JPG, WMF, BMP).
- Multiple Printers/Printing: Full MAPP (Multiple Application Port Printing). Able to drive multiple printers simultaneously with automatic selection.

System Requirements

Computer: IBM Compatible PC
Processor: 1 GHz or higher
RAM: 1GB
Screen Resolution: 1024 x 768 pixels
Disk Space Required: 100MB of free disk space

Ordering Information

USB key with licence, once inserted. WINTOTAL-6-DONGLE

*RAM requirement is less for earlier Windows operating systems please contact for details

Basic Functionalities
- Toolbar design, ‘Keypad’ buttons, ‘Zoom In/Out’.
- ‘Selected Product’ list box
- Simplified user interface configurable for both basic and advanced users
- Single file data format: One file now replaces multiple files used in older versions.
- ‘System Setup’ screen with simplified printer selection: ‘Advanced Printer Setup’ function shows all settings in one location.
Data Management

- Import data from ASCII or XMT files or from a Windows database
- ‘Database printing’ function for printing data without importing into WinTotal software
- ‘Preview’ option to review the import configuration without importing.

Templates

- ‘Rotation’ option when creating products
- File format supporting importing and exporting of ‘User Defined Layouts’.

Supported Languages

Dutch, English, French, German, Italian, Japanese, Korean, Norwegian, Portuguese (Brazil), Russian, Simplified Chinese, Spanish and Turkish.

Note

The WinTotal software package is available to suit a Windows® environment and is constantly being developed in line with operating system updates and technology improvements, please enquire for latest release levels.

Please note that the WINTOTAL-6-DONGLE acts as an authorisation key, the software can be downloaded as a free trial from the TE.com website which this key activates for unrestricted use.
Wire and Cable Markers

T200-IDENT-PRINTER
Thermal Transfer Printer

Get the most out of your cable identification and labelling. The T200 Id Ent printer brings together a complete solution for your compact range of thermal transfer printing needs. The increased accuracy and the added flexibility of a movable Media sensor extends the variety of products approved for this printer, while reducing the number of misprints. The T200 is also available as a package with the WINTOTAL Software.

Features & Benefits
• Light-weight at 4kg and small footprint
• Automatic calibration
• Simple ribbon and media loading procedure
• Superior print positioning accuracy
• Touch Screen
• Full DHCP and LAN connection

Compact Size
• D322mm x H189mm x W253mm

Electrical
• 100 to 240 V | 50/60 Hz | FPC

Operating Conditions
• 5ºC to 40ºC
• 25 to 85% non-condensing RH

Printing Method
• 300 dpi Thermal Transfer

Printing Speed
• 30, 40, 50, 75, 100 & 125 mm/s
  (recommended 50 mm/s).

Product Properties
• Print width max: 105.7mm
• Label width 4mm to 105.7mm
• Label height: 5mm to 1,000mm

Approvals & Declarations
• CE, FCC Class A, CB, CCC, UL, GOST

Interfaces
• USB 2.0 (full speed)
• LAN 10/100 Base (Ethernet)

Ordering Information
Standard printer T200-IDENT-PRINTER
... with Wintotal T200-IDENT-SWARE-PRINTER

Spare Parts and Accessories
Print head T200-PRINTHEAD
Drive roller T200-DR4-DRIVEROLLER
Cutter T200-CUTTER
Perforator T200-PERFORATOR
Universal Payoff UNIVERSAL-PAYOFF

For additional information please give us a call.
The TE3112 printer is a high performance mid-range identification printer for marking Heat-shrinkable Marker Sleeves, Cable Marker Tags and labels. With a 300 dpi print head, it’s capable of marking a broad range of products for use in commercial and industrial environments.

Features & Benefits
- High accuracy printing
- Light-weight at 9kg
- Automatic calibration
- Centre justification of the print media
- Easy to fit accessories
- Prints onto small 2.4mm marker sleeves

Dimensions
- D446mm x H274mm x W242mm

Electrical
- 100 to 240 V | 50/60 Hz
- 250W max, 45W Typical, 9W Power save

Operating Conditions
- 5°C to 40°C
- 10 to 85% non-condensing RH

Printing Method
- 300 dpi Thermal Transfer

Printing Speed
- 30, 40, 50, 75, 100 & 125 mm/s (recommended 50 mm/s).

Product Properties
- Print width max: 105.6mm
- Label width 4mm to 105.6mm
- Label height: 5mm to 4,000mm

Approvals & Declarations
- CE, FCC Class A, CB, CCC, UL, GOST

Interfaces
- USB 2.0 High (full speed)
- LAN 10/100 Base (Ethernet)
- Serial RS 232 C 1.200 up to 230.400 Baud/8 Bit
It is essential that the combination of printers, products and ribbons are correct, to ensure the best print quality and mark permanence. Each combination has been evaluated for print quality and tested for mark permanence. The table below illustrates the standard ribbons available for the two printers T200 and TE3112.

<table>
<thead>
<tr>
<th>Compatible Products</th>
<th>Standard Ribbon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Identification Markers</td>
<td></td>
</tr>
<tr>
<td>CM-SCE-TP</td>
<td>1966-RIBBON</td>
</tr>
<tr>
<td>D-SCE</td>
<td>1966 RIBBON or TMS-RJS-RIBBON-4DSCE</td>
</tr>
<tr>
<td>HLX125</td>
<td>1966-RIBBON</td>
</tr>
<tr>
<td>HT-SCE</td>
<td>TMS-RJS-RIBBON-4HT or T300-RIBBON-WH-4HT</td>
</tr>
<tr>
<td>HT-SCE (Black)</td>
<td>T300-RIBBON-WH-4HT or TMS-RJS-RIBBON-4HT</td>
</tr>
<tr>
<td>HX-SCE</td>
<td>1966-RIBBON</td>
</tr>
<tr>
<td>RPS</td>
<td>TMS-RJS-RIBBON-4RPSCE</td>
</tr>
<tr>
<td>TMS-SCE</td>
<td>TMS-RJS-RIBBON-4RPSCE</td>
</tr>
<tr>
<td>TMS-SCE (Black)</td>
<td>T300-RIBBON-WH (White) or TMS-RJS-RIBBON-4AG (Silver)</td>
</tr>
<tr>
<td>TMS-90-SCE</td>
<td>1966-RIBBON</td>
</tr>
<tr>
<td>UV-SCE</td>
<td>T300-UV-SCE-RIBBON</td>
</tr>
<tr>
<td>ZHD-SCE</td>
<td>1966-RIBBON</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Labels</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SBPlus</td>
<td>TMS-RJS-RIBBON-4RPSCE</td>
</tr>
<tr>
<td>TTP</td>
<td>1330-0607-10</td>
</tr>
<tr>
<td>MP</td>
<td>1330-0607-10</td>
</tr>
<tr>
<td>WP</td>
<td>1330-0607-10</td>
</tr>
<tr>
<td>MV</td>
<td>1330-0607-10</td>
</tr>
<tr>
<td>PVF</td>
<td>1330-3300-10</td>
</tr>
</tbody>
</table>
### RIBBONS

**Product Description**

**1966-RIBBON**
Ultra-high performance black thermal transfer ribbon that produces the ultimate in print performance.

Ink type: Resin

**FEATURES AND BENEFITS**
- Ideal for use in environments where marker may come into contact with abrasion, solvent or chemical attack

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**TMS RJS-RIBBON-4DSCE**
High performance black thermal transfer ribbon, for use on D-SCE heat shrinkable sleeves.

Ink type: Wax

**FEATURES AND BENEFITS**
- TMS RJS-RIBBON-4DSCE printed legends have high resistance to fluids, especially diesel.

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**TMS RJS-RIBBON-4RPSCE**
High durability commercial grade black thermal transfer ribbon, for use with TMS-SCE and RPS heat shrinkable sleeves and SBPlus labels.

Ink type: Wax/Resin

**FEATURES AND BENEFITS**
- TMS RJS-RIBBON-4RPSCE printed legends have high resistance to abrasion, solvents and chemicals

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**TMS RJS-RIBBON-4HT**
High temperature black thermal transfer ribbon, for use with HT-SCE heat shrinkable sleeves.

Ink type: Resin

**FEATURES AND BENEFITS**
- TMS RJS-RIBBON-4HT printed legends have excellent resistance to high temperatures.

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**T300-RIBBON-WH-4HT**
A white resin based thermal transfer ribbon, for use on HT-SCE product range.

Ink type: Resin

**FEATURES AND BENEFITS**
- T300-RIBBON-WH-4HT printed legends have high resistance to abrasion, solvents and chemicals.

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**1330-0607-10**
High durability black resin thermal transfer printable ribbon, ideal for use on pressure sensitive labels.

Ink type: Resin

**FEATURES AND BENEFITS**
- Excellent resistance to abrasion and chemicals.

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**1330-3300-10**
High durability black resin thermal transfer printable ribbon, ideal for use on pressure sensitive labels.

Ink type: Resin

**FEATURES AND BENEFITS**
- Excellent resistance to chemicals.

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**T300-UV-SCE-RIBBON**
High performance resin based thermal transfer ribbon, for use on UV-SCE product range.

Ink type: Resin

**FEATURES AND BENEFITS**
- T300-UV-SCE-RIBBON printed legends have high resistance to abrasion, solvents and chemicals.
- T300-UV-SCE-RIBBON has excellent UV resistance properties.
Additional Ident’ Products
Printer Universal Payoff and Push-On Markers

**EC9926-000 Universal Payoff**
The Universal Payoff is a free standing bench top, or wall mounted stand. Designed to dispense all TE Connectivity identification marker sleeves, cable markers and labels.

**Key Features and Benefits**
- Free standing bench top.
- Wall mountable for space saving.
- Robust, all metal stand.
- Maximum outside roll diameter 400mm
- Size 300 (D) x 232 (H) x 200 (W) mm
- Weight 2.23kg.

TE Part Number: EC9926-000

**Pre-Printed Push-On Markers**
A range of cold applied push-on markers are also available for wire and cable marking, including...

- KTMS-501 heat shrinkable bandolier
- Z-Type Marker
- K-Type Marker
- STD-Type Marker

Please contact us for additional information.
Additional Ident Products
Pre-Print Service
Customised Solutions

We have a full electronic capability, to receive and manipulate customer files for printing. Printing capabilities include logos, barcodes, images and a full range of text fonts.

Working closer with our customers providing practical design solutions, full technical support, site visits, system demonstrations and after sales support. Our in-house design and printing capabilities include a full range of text fonts, sequential numbering, logos, barcode, images and personalised graphics.

Heat Shrinkable Sleeves
Metal Photo Labels
Tie-on Cable Markers
Custom Self-adhesive Labels
Pre-printed Markers
Engraved Materials
Complete Sets and Kits
Barcodes and Logos

Custom designed solutions is an area of particular interest to our customers for their bespoke identification needs. Where awkward shapes or harsh environments require a particular specialist solution, such as;

• Ruggedised label applied to contoured surface that needs to withstand mechanical abrasion, environmental weathering, plus chemical solvent abuse.
• Metalised permanent adhesive labels for evidence of tampering.
• Control switch panel foil for external application, to withstand UV.
• Etched identification diagrams available on various substrates for use where long term harsh environments require a permanently legible solution is required.

For further information on the Pre-print service capabilities available or to discuss your specific labelling requirements, please contact us.