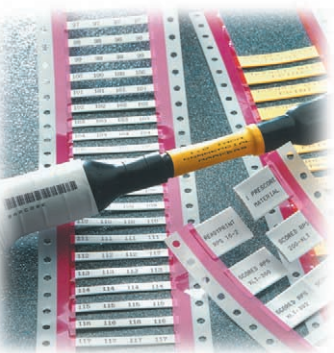


tyco
Electronics

IDENTIFICATION SOLUTIONS

Identification

Innovative Technologies That Help You Succeed



The knowledge that constant evolution of the latest technology is not only inevitable, but desirable, is a key aspect of the companies that continue to succeed in our industry. Recognizing this, we utilize the combined historical leadership of companies such as AMP, Elcon, M/A-COM, Siemens and Raychem, all forming Tyco Electronics, the largest passive components supplier in the world.

With manufacturing facilities and sales offices in over 120 nations, Tyco Electronics possesses the global reach necessary to serve our customers any time – anywhere.

Tyco Electronics Identification, a division of Tyco Electronics, is no exception. From providing labels for every industry and every application, industrial and commercial, to printing systems, software and top-notch technical support, Tyco Electronics Identification has it all.

With continuing strides in research and development of cutting-edge identification products, Tyco Electronics Identification makes a commitment to our customers that we use the highest quality materials and production processes to ensure complete customer satisfaction.

With industry leading brand names like Raychem and Critchley, Tyco Electronics Identification delivers the best in cable and wire identification and is widely recognized as a provider of high performance product lines such as Heat Shrinkable Identification (HSI) and Thermofit Marking Systems (TMS).

In addition to these exciting products, Tyco Electronics Identification, the complete solution, also provides:

- **Multi-purpose adhesive labeling products**
- **Tie-on cable markers**
- **Self-laminating wrap-around labels**
- **Cloth wire flag labels**
- **Insert markers**
- **Panel and terminal markers**
- **Fully qualified and integrated hardware and software systems**
- **Pre-print services**
- **Permark services**

With newly consolidated resources such as Research, Development and Engineering, corporate infrastructure, and integrated manufacturing and delivery, Tyco Electronics Identification is ready to bring you the advantages of shorter lead times, reduced time to market, greater economy and a broader product line. With these vast capabilities Tyco Electronics Identification is sure to have the answer to all of your identification needs.



C O N T E N T S

WIRE AND HARNESS ID PRODUCTS

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Self-Laminating Labels



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Tube and Pipe ID Labels

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HEAT SHRINK/CABLE MARKERS



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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 retardant, 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.

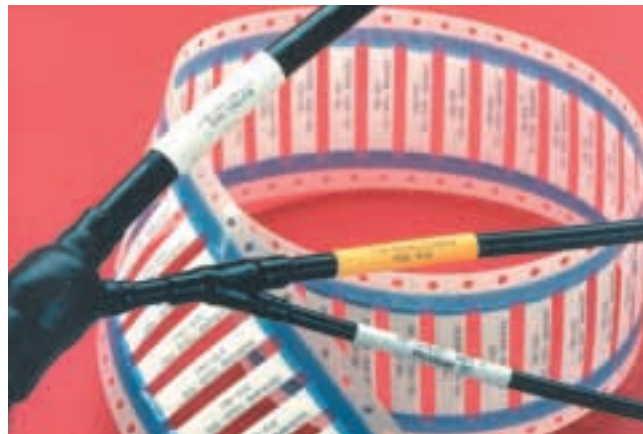
Both 2:1 and 3:1 shrink ratios are available. The 2:1 products provide a thick, rugged sleeve wall and are particularly easy to handle. The lightweight 3:1 products provide extremely fast shrinking and cover a wider range of wire diameters, thus simplifying inventory.

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-recommended printer. Tyco-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

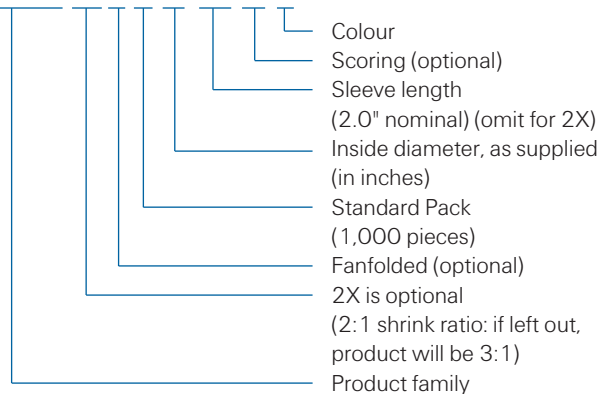
Tyco	RT-1805
Military	SAE-AMS-DTL-23053/5 classes 1 and 3, SAE AS81531 4.6.2, MIL-STD-202F Method 215J
Industry	UL Recognized – Standard 224, file E35586 CSA Certified – File 31929

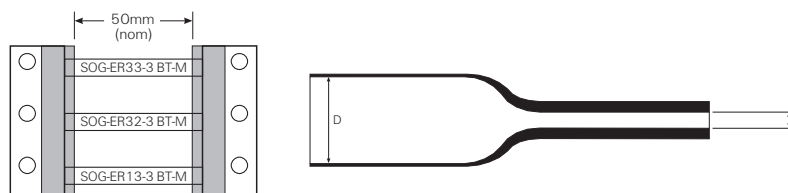
Printer information

Tyco printer	LQ870 (dot matrix) T208M (thermal transfer, low volume) T312M (thermal transfer)
Tyco ribbon	TMS-SIX-RIBBON-A (dot matrix) TMS-101-RIBBON-4RPSCE (thermal transfer for T208M) TMS-RJS-RIBBON-4RPSCE (thermal transfer for T312M)

Part numbering system

TMS-SCE-2X-F1K-¹/₈-2.0-S1-9





Available sizes and formats

Ordering description	Expanded D (minimum)		Recovered d (maximum)		Recommended use range		Recovered wall thickness		Weight (g/10 pcs.)
	mm	inches	mm	inches	mm	inches	mm	inches	
TMS-SCE-1K- $\frac{3}{32}$ -2.0-<colour>	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- $\frac{3}{32}$ -<colour>	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- $\frac{1}{8}$ -2.0-<colour>	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- $\frac{1}{8}$ -<colour>	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- $\frac{3}{16}$ -2.0-<colour>	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- $\frac{3}{16}$ -<colour>	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- $\frac{1}{4}$ -2.0-<colour>	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- $\frac{1}{4}$ -<colour>	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- $\frac{3}{8}$ -2.0-<colour>	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- $\frac{3}{8}$ -<colour>	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- $\frac{1}{2}$ -2.0-<colour>	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- $\frac{1}{2}$ -<colour>	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- $\frac{3}{4}$ -2.0-<colour>	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- $\frac{3}{4}$ -<colour>	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-<colour>	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 $\frac{1}{2}$ -2.0-<colour>	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-<colour>	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 $\frac{1}{2}$ -2.0-<colour>	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		1K - 1000-piece packs						
	Nonstandard		Smaller and larger pack sizes are available. Please contact Tyco.						
	Fanfolded		Fanfolded option available for use with dot matrix printers						
Colours	Standard	Yellow	White						
	Code	4	9						
	Nonstandard	Red	Pink	Orange	Green	Blue	Violet	Gray	Black
	Code	2	2L	3	5	6	7	8	0
	Note:		2X products meet the colour requirements of MIL-STD-104 class 1; otherwise colours are pastel for print						

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

Ordering example: TMS-SCE-1K- $\frac{1}{8}$ -2.0-S1-9 (scored once)

CM-SCE

Polyolefin tie-on cable marker tags

CM-SCE markers are flat, rigid, non-adhesive labels that can be used to identify large cables and wire bundles in environments such as military and aerospace. Marker tags are applied to cables or wire bundles with cable ties.

Dot matrix printer is recommended for meeting print performance requirements of SAE AS81531 4.6.2 and MIL-STD-202F.

Features and benefits

- Side entry provides access to big size and wire bundles as well as retrofit and repair capability.
- Highly flame-retardant.
- Highly resistant to abrasion, mechanical abuses, fluids, lubricants and solvents.
- Ease of use: markers can be easily removed from the carrier.
- Easy installation: only standard cable tie-wraps are needed to install markers. No extra steps required.
- Excellent print permanence when printing on the rough side of the marker.



Temperature rating

Operating temperature range	-55°C to +135°C	-67°F to +275°F
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Specifications/approvals

Tyco	RT-1808
Military	Mark permanence: SAE AS81531 4.6.2 Solvent resistance: MIL-STD-202F, Method 215J

Printer information

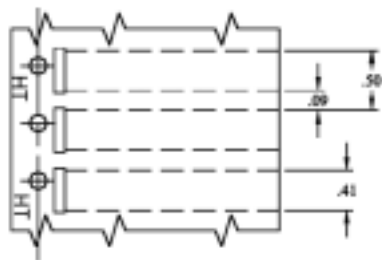
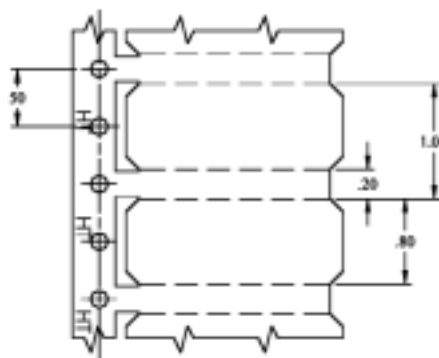
Tyco printer	LQ870 (dot matrix) T312M (thermal transfer)
Tyco ribbon	TMS-SYSTEM-SIX-RIBBON-A (dot matrix) TMS-RJS-RIBBON-4HT (thermal transfer)

Part numbering system

CM-SCE- ¹ / ₄ -F 2.5K-4H-9	
	Colour
	Tie-wrap holes
	Pack size
	Fanfolding package option
	Markable height of the marker (in)
	Product family

Ordering information

Dimensions are in inches, nominal

Figure 1
CM-SCE-1/4 INCHFigure 2
CM-SCE-1/2 INCH

Available sizes and formats

Ordering description	Size	Markable height		Markable length		Recommended use range	
		mm	inches	mm	inches	mm	inches
CM-SCE-1/4-4H- <colour>	1/4	6.40	0.250	50.80	2.000	5.08 – 12.50	0.200 – 0.492
CM-SCE-TP-1/4-4H- <colour>*	1/4	6.40	0.250	50.80	2.000	5.08 – 12.50	0.200 – 0.492
CM-SCE-1/2-4H- <colour>	1/2	12.70	0.500	50.80	2.000	12.50 and up	0.492 and up
CM-SCE-1/2-6H- <colour>	1/2	12.70	0.500	50.80	2.000	12.50 and up	0.492 and up

* for thermal transfer printing

Options

Tie-wrap holes	1/4-inch tags	Four holes standard
	1/2-inch tags	Four holes Six holes
	Code	4H 6H
Fanfold	Code	Fx (substitute package size code for "x")
Package sizes	Standard	250 pieces
Colours	Standard	White
	Code	9
	Nonstandard	Yellow
	Code	4

Ordering information: Specify product name, markable height of marker, pack size, number of tie wraps and colour.

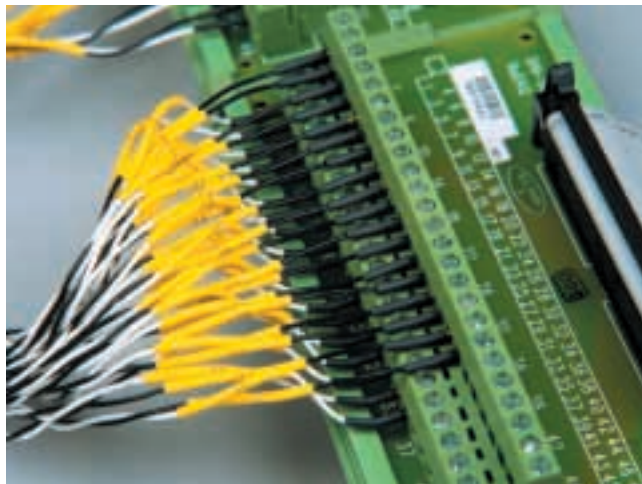
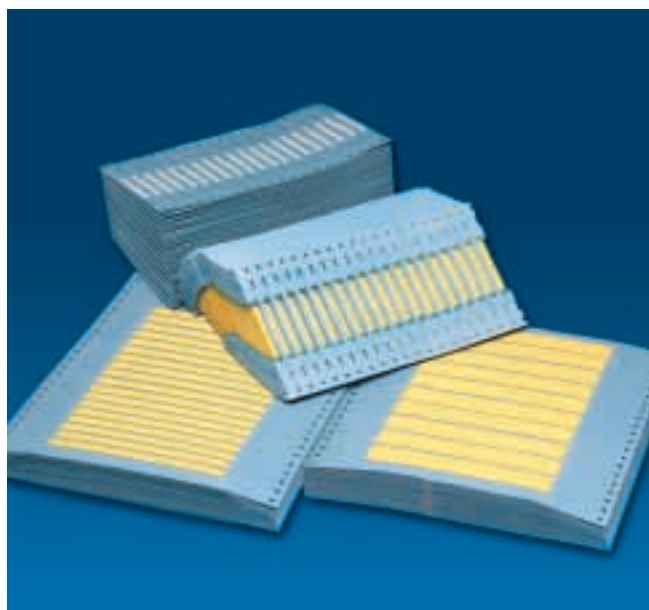
Ordering example: CM-SCE-1/4-2.5K-4H-9

HS*2:1 Shrink ratio
heat shrinkable wire
identification sleeves*

HS sleeves are thin wall, flame retardant radiation cross-linked polyolefin heat-shrinkable tubing, assembled as organized cut sleeves on a paper carrier. HS products are 2:1 shrink ratio. They are used in identification of wires and cables by computer-based printing onto sleeves. These products are suited to a wide variety of applications, including those with military standard requirements. The products meet the material and performance requirements of SAE AMS-DTL-23053/5 class 1.

Features and benefits

- Shrink ratio of 2:1 recovers to half of supplied diameter. Contact Tyco for 3:1 option.
- Comes in several sleeve lengths: 38mm, 50mm and 152mm.
- Sleeve diameter from 0.093" to 1.5" (2.4mm to 38.1mm).
- Flame retardant – meets ASTM D 2671 and UL 224 (clause 14) standards.
- Single sided and double sided printing formats available.
- Standard dot matrix printable. Contact Tyco for thermal printable options.
- Heat resistance: +175°C (+347°F) for 168 hours or +250°C (+482°F) for 4 hours with no deterioration of properties.
- Concentricity: 70% minimum for low distortion of legends.
- Easy-to-use fan-fold format for improved kitting and marker selection.

**Temperature rating**

Operating temperature range	-55°C to +135°C	-67°F to +275°F
Minimum recovery temperature	+120°C	+248°F
Maximum storage temperature	+40°C	+104°F

Specifications/approvals

Tyco	TTDS-033
Military	SAE AMS-DTL-23053/5 Class 1 (material and performance) SAE AS81531 4.6.2 MIL-STD-202F Method 215J
Industry	ASTM D 2671 UL 224 (clause 14)

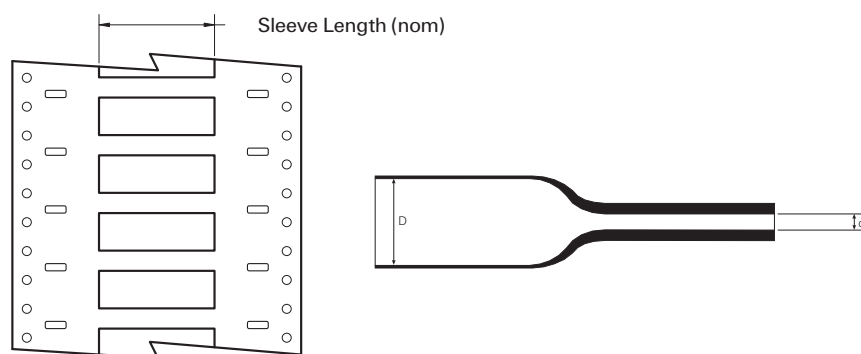
Printer information

Tyco printer	AM6310 (dot matrix)
Tyco ribbon	1892BK03 (dot matrix – high performance) 1892BK04 (dot matrix)

Part numbering system**HS-048-YW-1-NF-050-B**

HS	Pack size
048	Sleeve length (mm)
YW	Format
1	Scoring
NF	Colour
050	Inside diameter as supplied (mm)
B	Product family

Ordering information



Available sizes and formats

Ordering description	Inside diameter						Pack size (uncut sleeves) NF(B) DS(B) WF(B)		
	D (min) As supplied		d (max) After recovery		Recommended use range				
	mm	inches	mm	inches	mm	inches	38 and 50mm lengths	152 mm lengths	
HS024-<colour-prescore-format-length-pack size>	2.40	0.093	1.17	0.050	1.27-1.90	0.050-0.075	1650	1100	N/A
HS032-<colour-prescore-format-length-pack size>	3.20	0.126	1.58	0.060	1.75-2.66	0.069-0.105	1100	1100	550
HS048-<colour-prescore-format-length-pack size>	4.80	0.189	2.36	0.090	2.54-4.06	0.100-0.160	1100	1100	500
HS064-<colour-prescore-format-length-pack size>	6.35	0.250	3.18	0.125	3.81-5.46	0.150-0.215	550	550	500
HS095-<colour-prescore-format-length-pack size>	9.53	0.374	4.75	0.187	5.59-8.12	0.220-0.320	550	550	275
HS127-<colour-prescore-format-length-pack size>	12.70	0.500	6.35	0.250	6.99-10.79	0.275-0.425	550	300	250
HS190-<colour-prescore-format-length-pack size>	19.05	0.750	9.53	0.375	10.16-16.25	0.400-0.640	300	300	175
HS254-<colour-prescore-format-length-pack size>	25.40	1.000	12.70	0.500	9.29-21.59	0.366-0.850	300	300	125
HS381-<colour-prescore-format-length-pack size>	38.10	1.500	19.05	0.750	20.95-22.02	0.825-1.300	100	100	75

Options

Prescoring	Perforated score to produce multiple marker sleeves from each HS.					
	Number of prescores	0 prescores	1 prescore	2 prescores	3 prescores	5* prescores
	Markers per sleeve	1	2	3	4	6*
	Code	1	2	3	4	6*
						*Wide format only
Package sizes	B	Standard for narrow format: NF (single sided) and DS (double sided)				
	X	Bulk for narrow format (contains double the number of markers in a narrow format B pack): NF (single sided)				
	B	Standard for wide format: WF (single sided)				
Colours	Standard	White	Yellow			
	Code	WE	YW			
Format	NF	Single-sided printing – narrow format				
	DS	Double-sided printing – narrow format				
	WF	Single-sided printing – wide format				
Uncut sleeve length	038	38 mm (1.5") – narrow format		Ordering example: HS032WE2NF038B		
	050	50 mm (2") – narrow format		Ordering example: HS064YW3NF050X		
	152	152 mm (6") – wide format		Ordering example: HS095WE6WF152B		

Ordering information: Specify product name, colour, prescores, format, sleeve length and pack size.

Ordering example: HS032WE2NF038B

HL

Tie-on cable marker tags

Used to identify large cables and bundles either pre- or post-termination, these flame retardant HL cable markers are suitable for use in environments with temperatures of -55°C to $+135^{\circ}\text{C}$ (-67°F to $+275^{\circ}\text{F}$). The markers are easily applied with standard cable ties.

HL markers are presented as organized markers assembled onto either a fanfolded or reeled paper carrier for ease of selection and kitting and are available in an extensive range of sizes.

They are available with the surface designed for either dot matrix or thermal transfer printers.

Features and benefits

- Recommended for use where determination of wires is not possible for large ID wires or wire bundles.
- Heat resistant to $+175^{\circ}\text{C}$ for 168 hours or $+250^{\circ}\text{C}$ for 4 hours with no deterioration in properties.
- Several printable widths and heights available.
- Non-standard colour options available.



Temperature rating

Operating temperature range	-55°C to $+135^{\circ}\text{C}$	-65°F to $+275^{\circ}\text{F}$
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Specifications/approvals

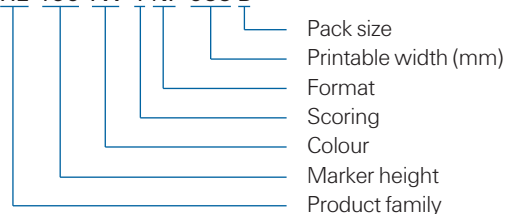
Tyco	TTDS-037
Military	SAE AS8153 1 4.6.2 MIL-STD-202F Method 215J
Industry	UL 224 (clause 14) ASTM D 2671

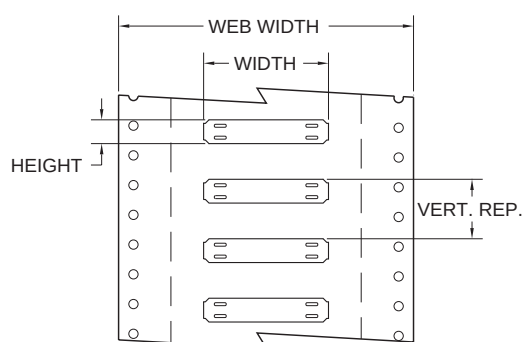
Printer information

Tyco printer	AM 6310 (dot matrix) T312M (thermal transfer)
Tyco ribbon	1892BK04 (dot matrix) 1892BK03 (dot matrix — high performance) TMS-RJS-RIBBON-4RPSCE (thermal transfer)

Part numbering system

HL- 150-YW- 1-NF-033-B





Available sizes and formats

Ordering description	Marker dimensions (W X H)		Printable area (W X H)		Pack size	
	mm	inches	mm	inches	NF	TS
HL104<colour>1<format>025B	45.00 x 10.40	1.800 x 0.400	25.00 x 10.40	1.000 x 0.400	550	1000
HL104<colour>1<format>033B	52.00 x 10.40	2.100 x 0.400	33.00 x 10.40	1.300 x 0.400	550	1000
HL104<colour>1<format>038B	58.00 x 10.40	2.300 x 0.400	38.00 x 10.40	1.500 x 0.400	550	1000
HL104<colour>1<format>050B	70.00 x 10.40	2.750 x 0.400	50.00 x 10.40	2.000 x 0.400	550	1000
HL104<colour>1<format>070B	90.00 x 10.40	3.500 x 0.400	70.00 x 10.40	2.750 x 0.400	550	1000
HL150<colour>1<format>025B	45.00 x 15.00	1.800 x 0.600	25.00 x 15.00	1.000 x 0.600	550	500
HL150<colour>1<format>033B	52.00 x 15.00	2.100 x 0.600	33.00 x 15.00	1.300 x 0.600	550	500
HL150<colour>1<format>038B	58.00 x 15.00	2.300 x 0.600	38.00 x 15.00	1.500 x 0.600	550	500
HL150<colour>1<format>050B	70.00 x 15.00	2.750 x 0.600	50.00 x 15.00	2.000 x 0.600	550	500
HL150<colour>1<format>070B	90.00 x 15.00	3.500 x 0.600	70.00 x 15.00	2.750 x 0.600	550	500
HL203<colour>1<format>025B	45.00 x 20.30	1.800 x 0.800	25.00 x 20.30	1.000 x 0.800	550	500
HL203<colour>1<format>033B	52.00 x 20.30	2.100 x 0.800	33.00 x 20.30	1.300 x 0.800	550	500
HL203<colour>1<format>038B	58.00 x 20.30	2.300 x 0.800	38.00 x 20.30	1.500 x 0.800	550	500
HL203<colour>1<format>050B	70.00 x 20.30	2.750 x 0.800	50.00 x 20.30	2.000 x 0.800	550	500
HL203<colour>1<format>070B	90.00 x 20.30	3.500 x 0.800	70.00 x 20.30	2.750 x 0.800	550	500
HL253<colour>1<format>025B	45.00 x 25.30	1.800 x 1.000	25.00 x 25.30	1.000 x 1.000	300	250
HL253<colour>1<format>033B	52.00 x 25.30	2.100 x 1.000	33.00 x 25.30	1.300 x 1.000	300	250
HL253<colour>1<format>038B	58.00 x 25.30	2.300 x 1.000	38.00 x 25.30	1.500 x 1.000	300	250
HL253<colour>1<format>050B	70.00 x 25.30	2.750 x 1.000	50.00 x 25.30	2.000 x 1.000	300	250
HL253<colour>1<format>070B	90.00 x 25.30	3.500 x 1.000	70.00 x 25.30	2.750 x 1.000	300	250

Options

Prescoring	Not available on these products – this should always be 1.		
Package sizes	Standard	B	
Colours	Standard	White	Yellow
	Code	WE	YW
	Nonstandard	Red	Blue
	Code	RD	BE
Format	NF – Dot matrix printing (fanfold/single sided)		
	TS – Thermal transfer (reel/single sided)		
Printable Width On Marker	025	25mm (1")	
	033	33mm (1.3")	
	038	38mm (1.5")	
	050	50mm (2")	
	070	70mm (2.75")	

Ordering information: Specify product name, marker height, colour, scoring option (always 1), format, printable width, and pack size.

Ordering example: HL150YW1NF033B

HT-SCE

*High temperature, low outgassing
heat shrinkable wire identification sleeves*

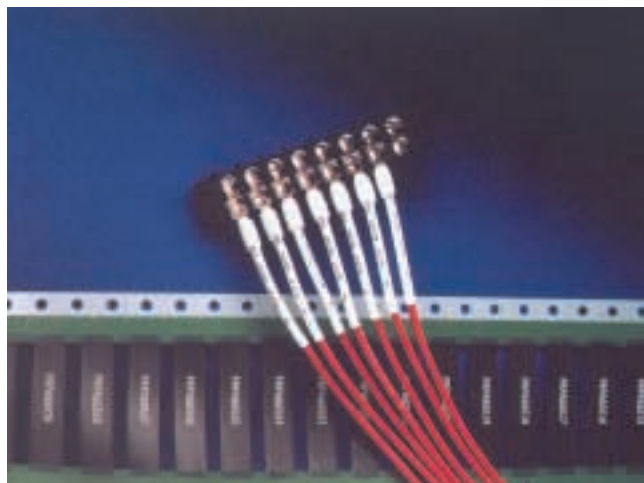
Tyco's HT-SCE wire markers are designed for use in high temperature applications or where extreme resistance to fuels, lubricants and cleaning solvents is required. They are also ideal for applications in which low-vacuum outgassing is critical. The marker sleeves are made of highly flame retardant, 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 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	RT1806
Military	SAE AS81531 4.6.2
	MIL-STD-202F Method 215J

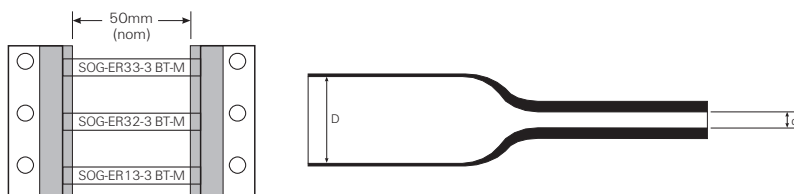
Printer information

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

Part numbering system

HT-SCE-1K-1/4-2.0-S1-0	
	Colour
	Scoring (optional)
	Sleeve length (in)
	Expanded inside diameter (in)
	Pack size
	Product family

Ordering information



Available sizes and formats

Ordering description	Inside diameter				Recommended use range	
	D (min) As supplied		d (max) After recovery			
	mm	<i>inches</i>	mm	<i>inches</i>	mm	<i>inches</i>
	HT-SCE-1K- $\frac{3}{32}$ -2.0- <colour>	2.36	<i>0.093</i>	0.79	<i>0.031</i>	0.81 - 1.90
HT-SCE-1K- $\frac{1}{8}$ -2.0- <colour>	3.18	<i>0.125</i>	1.58	<i>0.062</i>	1.75 - 2.66	<i>0.069 - 0.105</i>
HT-SCE-1K- $\frac{3}{16}$ -2.0- <colour>	4.75	<i>0.187</i>	2.36	<i>0.093</i>	2.54 - 4.06	<i>0.100 - 0.160</i>
HT-SCE-1K- $\frac{1}{4}$ -2.0- <colour>	6.35	<i>0.250</i>	3.18	<i>0.125</i>	3.40 - 6.00	<i>0.134 - 0.236</i>
HT-SCE-1K- $\frac{3}{8}$ -2.0- <colour>	9.53	<i>0.375</i>	4.75	<i>0.187</i>	5.30 - 8.10	<i>0.209 - 0.319</i>
HT-SCE-1K- $\frac{1}{2}$ -2.0- <colour>	12.70	<i>0.500</i>	6.35	<i>0.250</i>	6.60 - 11.40	<i>0.260 - 0.449</i>
HT-SCE-1K- $\frac{3}{4}$ -2.0- <colour>	18.00	<i>0.709</i>	9.00	<i>0.354</i>	9.90 - 15.30	<i>0.390 - 0.602</i>
HT-SCE-1K-1-2.0- <colour>	25.40	<i>1.000</i>	12.70	<i>0.500</i>	13.30 - 23.00	<i>0.524 - 0.906</i>
HT-SCE-1K-1½-2.0- <colour>	38.10	<i>1.500</i>	19.05	<i>0.750</i>	20.95 - 34.00	<i>0.825 - 1.339</i>

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.		
Colours	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 colour.

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

HTCM-SCE

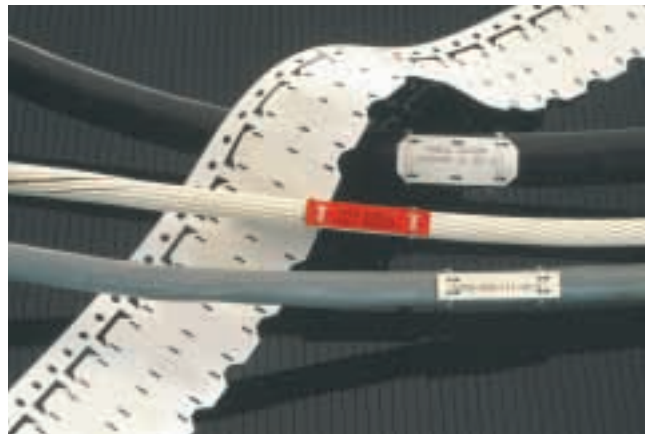
High temperature tie-on-cable marker tags

HTCM-SCE markers are flat, rigid, non-adhesive labels that can be used to identify large cables and wire bundles in high temperature environments and outer space applications where low vacuum outgassing is required. Marker tags are applied to cables or wire bundles using cable ties.

Dot matrix printer is recommended for meeting print performance requirements of SAE AS81531 4.6.2 and MIL-STD-202F.

Features and benefits

- Side entry provides access to big size cables and wire bundles as well as retrofit and repair capability.
- High temperature use.
- Highly flame-retardant.
- Highly resistant to abrasion, mechanical abuses, fluids, lubricants and solvents.
- Low vacuum outgassing for outer space applications.
- Ease of use: markers can be easily removed from the carrier.
- Easy installation: only standard cable tie-wraps are needed to install markers. No extra steps required.
- Excellent print permanence when printing on the rough side of the marker.



Temperature rating

Operating temperature range	-55°C to +225°C	-67°F to +437°F
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Specifications/approvals

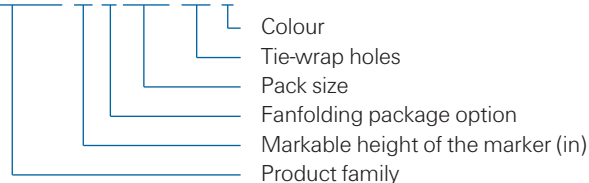
Tyco	RW3024
Military	Mark permanence: SAE AS81531 4.6.2 Solvent resistance: MIL-STD-202F, method 215J

Printer information

Tyco printer	LQ870 (dot matrix) T312M (thermal transfer)
Tyco ribbon	TMS-SYSTEM-SIX-RIBBON-A (dot matrix) TMS-RJS-RIBBON-4HT (thermal transfer)

Part numbering system

HTCM-SCE-¹/₄-F 2.5K-4H-9



Ordering information

Dimensions are in inches, nominal

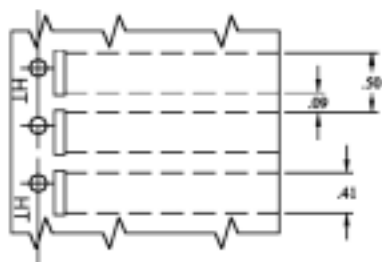


Figure 1
HTCM-SCE-1/4 INCH

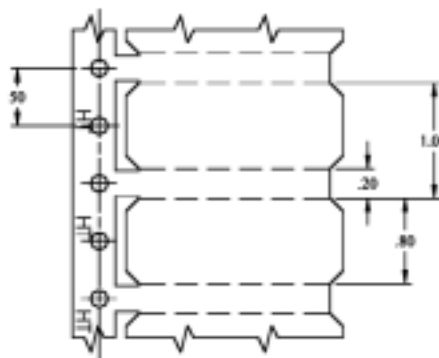


Figure 2
HTCM-SCE-1/2 INCH

Available sizes and formats

Ordering description	Size	Markable height		Markable length		Recommended use range	
		mm	inches	mm	inches	mm	inches
HTCM-SCE-1/4-4H- <colour>	1/4	6.40	0.250	50.80	2.000	5.08 – 12.50	0.200 – 0.492
HTCM-SCE-TP-1/4-4H- <colour>*	1/4	6.40	0.250	50.80	2.000	5.08 – 12.50	0.200 – 0.492
HTCM-SCE-1/2-4H- <colour>	1/2	12.70	0.500	50.80	2.000	12.50 and up	0.492 and up
HTCM-SCE-1/2-6H- <colour>	1/2	12.70	0.500	50.80	2.000	12.50 and up	0.492 and up

* for thermal transfer printing

Options

Tie-wrap holes	1/4-inch tags	Four holes standard
	1/2-inch tags	Four holes Six holes
	Code	4H 6H
Fanfold	Code	Fx (substitute package size code for "x")
Package sizes	Standard	250 pieces
Colours	Standard	White
	Code	9
	Nonstandard	Yellow
	Code	4

Ordering information: Specify product name, markable height of marker, pack size, number of tie wraps and colour.

Ordering example: HTCM-SCE-1/4-F2.5K-4H-9

ZH-SCE

*Zero halogen heat shrinkable
wire identification sleeves*

ZH-SCE identification sleeves are for use in enclosed spaces in marine, mass transit, offshore and industrial installations.

ZH-SCE markers are used where a low fire hazard identification component is required and are often used where human life or electronic components are at risk in the event of a fire. These markers offer low smoke emission, excellent fire safety characteristics combined with low evolution of toxic gases.

ZH-SCE has a 2:1 shrink ratio and is printed using Tyco approved printing equipment and ribbons. The printed mark is permanent immediately after printing and remains legible after exposure to abrasion, aggressive cleaning fluids, military fuels and oils.

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 recommended printer. The ladder format provides automatic kitting of the marker sleeves in the desired sequence.

Features and benefits

- Permanent identification sleeves.
- Computer printable.
- Extremely low smoke and acid gas emission.
- 2:1 shrink ratio.
- Standard side scored for easy application.



Temperature rating

Operating temperature range	-30°C to +105°C	-22°F to +221°F
Minimum recovery temperature	+120°C	+248°F
Maximum storage temperature	+40°C	+104°F

Specifications/approvals

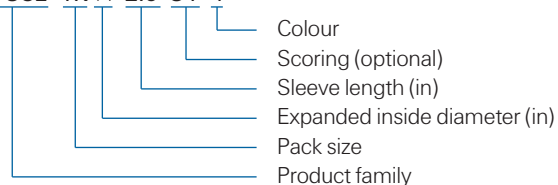
Tyco	RW 2030
Military	SAE AS81531 4.6.2 MIL-STD-202F Method 215J
Industry	BS 6853 [1999] – Vehicle Category 1a

Printer information

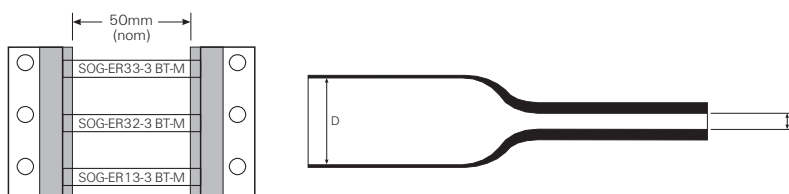
Tyco printer	T312M (thermal transfer)
Tyco ribbon	TMS-RJS-RIBBON-4ZH (thermal transfer)

Part numbering system

ZH-SCE-1K-1/4-2.0-S1-4



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
ZH-SCE-1K- $\frac{3}{32}$ -2.0- <colour>	2.36	0.093	1.17	0.046	1.27 - 1.9 0	0.050-0.075
ZH-SCE-1K- $\frac{1}{8}$ -2.0- <colour>	3.18	0.125	1.57	0.062	1.75 - 2.66	0.069 - 0.105
ZH-SCE-1K- $\frac{3}{16}$ -2.0- <colour>	4.75	0.187	2.36	0.093	2.54 - 4.06	0.100 - 0.160
ZH-SCE-1K- $\frac{1}{4}$ -2.0- <colour>	6.35	0.250	3.18	0.125	3.40 - 5.50	0.134 - 0.217
ZH-SCE-1K- $\frac{3}{8}$ -2.0- <colour>	9.53	0.375	4.75	0.187	5.00 - 9.00	0.197 - 0.354
ZH-SCE-1K- $\frac{1}{2}$ -2.0- <colour>	12.70	0.500	6.35	0.250	6.99 - 10.79	0.275 - 0.425
ZH-SCE-1K- $\frac{3}{4}$ -2.0- <colour>	19.05	0.750	9.53	0.375	9.90 - 15.30	0.390 - 0.602
ZH-SCE-1K-1-2.0- <colour>	25.40	1.000	12.70	0.500	13.30 - 23.00	0.524 - 0.906
ZH-SCE-1K-1- $\frac{1}{2}$ -2.0- <colour>	38.10	1.500	19.05	0.750	20.00 - 34.00	0.787 - 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 ZH-SCE sleeve.			
	Standard	Side scored		
	Number of prescores	1 prescore	2 prescores	3 prescores
	Code	S1	S2	S3
Package sizes	Standard	1K - 1000 piece packages available for all ZH-SCE sizes		
	Nonstandard	Larger pack sizes are available. Please contact Tyco.		
Colours	Standard	White	Yellow	
	Code	9	4	
	Nonstandard	Red	Green	Blue
	Code	2	5	6

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

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

HX*Low fire hazard heat shrinkable
wire identification sleeves*

HX wire identification sleeves are used to identify wires and cables where low fire hazard properties are critical. The zero halogen material coupled with low smoke and low toxic fume emissions make this product ideal for use in enclosed spaces such as mass transit, marine and industrial installations. HX markers are suitable for use in environments with temperatures of -30°C to $+105^{\circ}\text{C}$ (-22°F to $+221^{\circ}\text{F}$).

These 2:1 shrink ratio markers are assembled as organized cut sleeves onto a paper carrier for ease of marker selection and kitting. The assembled sleeves are available in both single and double sided printable formats.

Features and benefits

- Shrink ratio of 2:1 (recovers to half of supplied diameter).
- Flame retardant – meets ASTM E 162.
- Smoke emission – meets ASTM E 662.
- No secondary mark curing process is required.
- Self-extinguishing.
- Sleeve diameter from 0.125" to 1.50" (3.2 mm to 38.1 mm).
- Sleeve lengths from 0.5" to 2.0" (12.7 mm to 50.8 mm).
- Concentricity: 70% minimum for low distortion of legends.
- Printable on two sides for additional ease in identification.

**Temperature rating**

Operating temperature range	-30°C to $+105^{\circ}\text{C}$	-22°F to $+221^{\circ}\text{F}$
Minimum recovery temperature	$+135^{\circ}\text{C}$	$+275^{\circ}\text{F}$
Maximum storage temperature	$+40^{\circ}\text{C}$	$+104^{\circ}\text{F}$

Specifications/approvals

Tyco	RW 2066
Military	SAE AS8153 1 4.6.2
	MIL-STD-202F Method 215J
Industry	BS 6853 [1999] – Vehicle category 1a

Printer information

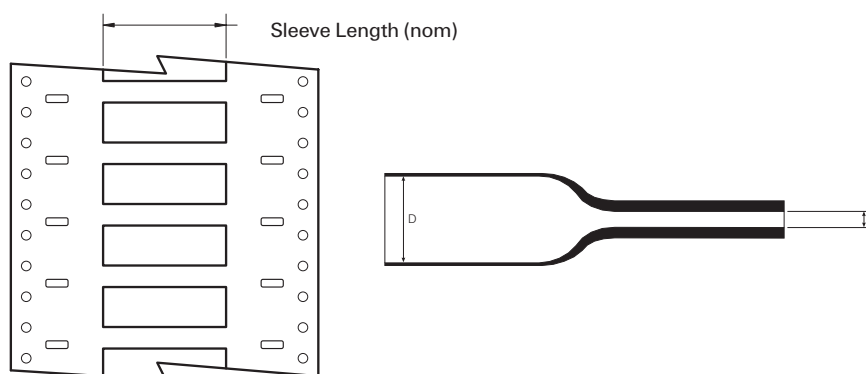
Tyco printer	AM6310 (dot matrix)
	T312M (thermal transfer)
Tyco ribbon	1892BK03 (dot matrix)
	1950-RIBBON-4T300 (thermal transfer)

Part numbering system

HX-048-YW-1-DS-050-X

	Pack size
	Sleeve length (mm)
	Format
	Prescores
	Colour
	Expanded inside diameter (mm)
	Product family

Ordering information



Available sizes and formats

Ordering description	Inside diameter						Pack size
	D (min)		d (max)		Recommended use range		B pack
	As supplied		After recovery				(uncut sleeves)
	mm	inches	mm	inches	mm	inches	DS
HX-032<colour-prescore-format-length-pack size>	3.20	0.126	1.58	0.060	1.75-2.66	0.069-0.105	1100
HX-048<colour-prescore-format-length-pack size>	4.80	0.189	2.36	0.090	2.54-4.06	0.100-0.160	1100
HX-064<colour-prescore-format-length-pack size>	6.40	0.250	3.18	0.125	3.81-5.46	0.150-0.215	550
HX-095<colour-prescore-format-length-pack size>	9.50	0.374	4.75	0.187	5.59-8.12	0.220-0.320	550
HX-127<colour-prescore-format-length-pack size>	12.70	0.500	6.35	0.250	6.99-10.79	0.275-0.425	300
HX-190<colour-prescore-format-length-pack size>	19.00	0.750	9.53	0.375	10.16-16.25	0.400-0.640	300
HX-254<colour-prescore-format-length-pack size>	25.40	1.000	12.70	0.500	14.29-21.59	0.563-0.850	300
HX-381<colour-prescore-format-length-pack size>	38.10	1.500	19.05	0.750	20.95-33.02	0.825-1.300	100

Options

Prescoring	Perforated score to produce multiple marker sleeves from each HX sleeve.				
	Number of prescores	0 prescores	1 prescore	2 prescores	3 prescores
	Markers per sleeve	1	2	3	4
	Code	1	2	3	4
Package sizes	B	Standard for narrow format			
	X	Bulk (contains double the number of markers in a B pack)			
Colours	Standard	White	Yellow		
	Code	WE	YW		
	Nonstandard	Red	Blue	Green	Orange
		RD	BE	GN	OE
Format	DS	Double-sided printing (thermal and dot matrix)			
Sleeve length	038	38 mm			
	050	50 mm			

Ordering information: Specify product name, colour, prescores, format, sleeve length and pack size.

Ordering example: HX064YW2DS050X

HLX

Low fire hazard
cable marker tags

HLX cable markers are made from zero halogen, low smoke, low toxicity, radiation cross-linked, UV stabilized polyolefin sheet, formed into punched organized cable markers on a paper carrier.

They are used for identification of cables and wire bundles by computer-based printing onto markers. Markers are attached using cable ties. HLX markers are ideal for applications where limited fire hazard characteristics are critical.

Features and benefits

- Recommended for use where combustion of products may endanger personnel or place delicate electronics at risk.
- Several printable heights and widths available.



Temperature rating

Operating temperature range	-30°C to +105°C	-22°F to +221°F
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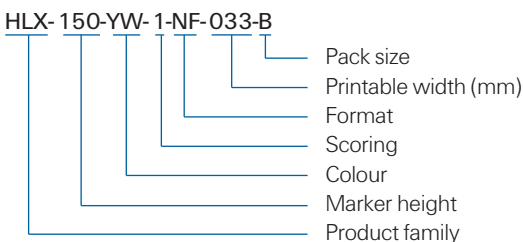
Specifications/approvals

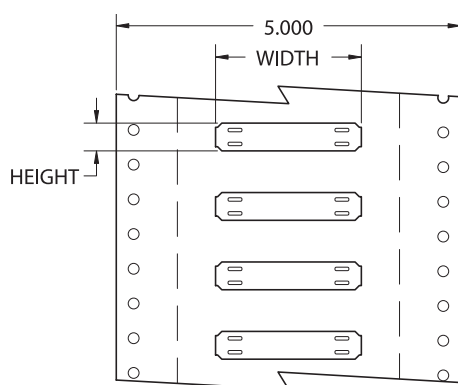
Tyco	RW 2067
Military	SAE AS81531 4.6.2 MIL-STD-202F Method 215J
Industry	UL 224 (clause 14) BS 4G 198 Part 3

Printer information

Tyco printer	T312M (thermal transfer)
Tyco ribbon	1910-RIBBON-4T300 (thermal transfer)

Part numbering system





Available sizes and formats

Ordering description	Marker dimensions (W X H)		Printable area (W X H)		Pack size	
	mm	inches	mm	inches	NF	TS
HLX104<colour>1<format>025B	45.00 x 10.40	1.800 x 0.400	25.00 x 10.40	1.000 x 0.400	550	1000
HLX104<colour>1<format>033B	52.00 x 10.40	2.100 x 0.400	33.00 x 10.40	1.300 x 0.400	550	1000
HLX104<colour>1<format>038B	58.00 x 10.40	2.300 x 0.400	38.00 x 10.40	1.500 x 0.400	550	1000
HLX104<colour>1<format>050B	70.00 x 10.40	2.750 x 0.400	50.00 x 10.40	2.000 x 0.400	550	1000
HLX104<colour>1<format>070B	90.00 x 10.40	3.500 x 0.400	70.00 x 10.40	2.750 x 0.400	550	1000
HLX150<colour>1<format>025B	45.00 x 15.00	1.800 x 0.600	25.00 x 15.00	1.000 x 0.600	550	500
HLX150<colour>1<format>033B	52.00 x 15.00	2.100 x 0.600	33.00 x 15.00	1.300 x 0.600	550	500
HLX150<colour>1<format>038B	58.00 x 15.00	2.300 x 0.600	38.00 x 15.00	1.500 x 0.600	550	500
HLX150<colour>1<format>050B	70.00 x 15.00	2.750 x 0.600	50.00 x 15.00	2.000 x 0.600	550	500
HLX150<colour>1<format>070B	90.00 x 15.00	3.500 x 0.600	70.00 x 15.00	2.750 x 0.600	550	500
HLX203<colour>1<format>025B	45.00 x 20.30	1.800 x 0.800	25.00 x 20.30	1.000 x 0.800	550	500
HLX203<colour>1<format>033B	52.00 x 20.30	2.100 x 0.800	33.00 x 20.30	1.300 x 0.800	550	500
HLX203<colour>1<format>038B	58.00 x 20.30	2.300 x 0.800	38.00 x 20.30	1.500 x 0.800	550	500
HLX203<colour>1<format>050B	70.00 x 20.30	2.750 x 0.800	50.00 x 20.30	2.000 x 0.800	550	500
HLX203<colour>1<format>070B	90.00 x 20.30	3.500 x 0.800	70.00 x 20.30	2.750 x 0.800	550	500
HLX253<colour>1<format>025B	45.00 x 25.30	1.800 x 1.000	25.00 x 25.30	1.000 x 1.000	300	250
HLX253<colour>1<format>033B	52.00 x 25.30	2.100 x 1.000	33.00 x 25.30	1.300 x 1.000	300	250
HLX253<colour>1<format>038B	58.00 x 25.30	2.300 x 1.000	38.00 x 25.30	1.500 x 1.000	300	250
HLX253<colour>1<format>050B	70.00 x 25.30	2.750 x 1.000	50.00 x 25.30	2.000 x 1.000	300	250
HLX253<colour>1<format>070B	90.00 x 25.30	3.500 x 1.000	70.00 x 25.30	2.750 x 1.000	300	250

Options

Prescoring	Not available on these products – this should always be 1.		
Package sizes	Standard	B	
Colours	Standard	White	Yellow
	Code	WE	YW
	Nonstandard	Red	Blue
	Code	RD	BE
Format	NF – Dot matrix printing (fanfold/single sided)		
	TS – Thermal transfer (reel/single sided)		
Printable width on marker	025	25mm (1")	
	033	33mm (1.3")	
	038	38mm (1.5")	
	050	50mm (2")	
	070	70mm (2.75")	

Ordering information: Specify product name, marker height, colour, scoring option (always 1), format, printable width, and pack size.

Ordering example: HLX150YW1NF033B

D-SCE

*Fluid resistant computer-printable
permanent wire identification sleeves*

D-SCE markers are used to identify wires and cables where exposure to organic fluids, especially oils, is required. D-SCE markers are designed to operate in these conditions at elevated temperatures for extended periods of time, making them ideal in aerospace, rail and construction industries. The D-SCE markers are suitable for use in environments with temperatures of -55°C to $+135^{\circ}\text{C}$ (-67°F to $+275^{\circ}\text{F}$), and will provide strain relief, insulation and protection from mechanical abuse. The 3:1 shrink ratio markers* are assembled in a ladder format enabling sleeves to be printed on both sides for maximum data content and readability.

*See ordering description.

Features and benefits

- Resistance to organic fluids, common fuels, lubricants and solvents.
- 3:1 shrink ratio.
- Wide range of sizes for several wire and bundle diameters.
- Formulated for use in aerospace, rail and construction equipment.
- Dot matrix and thermal transfer printable.
- Thermal Transfer printed product now approved to NFF 00608 Category A and H.



Temperature rating

Operating temperature range	-55°C to $+135^{\circ}\text{C}$	-67°F to $+275^{\circ}\text{F}$
Minimum recovery temperature	$+135^{\circ}\text{C}$	$+275^{\circ}\text{F}$
Maximum storage temperature	$+40^{\circ}\text{C}$	$+104^{\circ}\text{F}$

Specifications/approvals

Tyco	RW 2028
Military	SAE-AMS-DTL-23053/6, Class 1 (material and performance requirements) SAE AS81531 4.6.2 MIL-STD-202F Method 215J
Industry	NF F 00 608 Category A and H

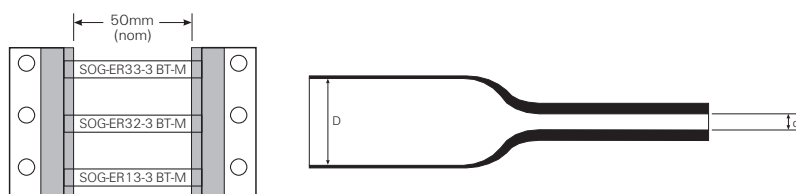
Printer information

Tyco printer	LQ870 (dot matrix) T312M (thermal transfer)
Tyco ribbon	TMS-SIX-RIBBON-A (dot matrix) 1950-RIBBON-4T300 (thermal transfer)

Part numbering system

D-SCE	- 5K	- 3.2	- 50	- S1	- 4	
						Colour
						Scoring (optional)
						Sleeve length (mm)
						Expanded inside diameter (mm)
						Large packaging (optional)
						Product family

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
D-SCE-1K-2.4-50<colour>	2.39	0.094	0.79	0.031	0.81 - 1.90	0.032 - 0.075
D-SCE-1K-3.2-50<colour>	3.18	0.125	1.07	0.043	1.11 - 2.66	0.044 - 0.105
D-SCE-1K-4.8-50<colour>	4.75	0.187	1.57	0.063	1.75 - 4.06	0.069 - 0.160
D-SCE-1K-6.4-50<colour>	6.35	0.250	2.11	0.084	2.31 - 5.46	0.091 - 0.215
D-SCE-1K-9.5-50<colour>	9.53	0.375	3.18	0.125	3.47 - 8.12	0.137 - 0.320
D-SCE-1K-12-50<colour>	12.70	0.500	4.22	0.167	4.64 - 10.79	0.183 - 0.425
D-SCE-1K-18-50<colour>	19.05	0.750	6.35	0.250	6.99 - 16.25	0.275 - 0.640
D-SCE-1K-25-50<colour>	25.40	1.000	8.46	0.333	9.29 - 21.59	0.366 - 0.850
D-SCE-1K-38-50<colour>*	38.10	1.500	19.05	0.750	20.95 - 33.02	0.825 - 1.300

* 2:1 shrink ratio

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 D-SCE sleeve.			
	Standard	Side scored		
	Number of prescores	1 prescore	2 prescores	3 prescores
	Code	S1	S2	S3
Package sizes	Standard	1K - 1000 piece packages available for all D-SCE sizes		
	Nonstandard	Larger pack sizes are available. Please contact Tyco.		
Colours	Standard	White	Yellow	
	Code	9	4	
	Nonstandard	Pink	Blue	
	Code	2L	6	

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

Ordering example: D-SCE-1K-6.4-S2-4

NMX

Flame retardant
polyaramid cable marker
tags

NMX cable marker tags are used for identification of cables and wire bundles by computer-based printing onto markers. The markers are attached using cable ties. They are ideal for aerospace and other cases where resistance to harsh environments and light weight are important.

Features and benefits

- Extremely light weight.
- Ultimate tensile strength and tear resistance.
- Flame retardant.
- Resistant to several avionic fluids, solvents and cleaners.
- Dot matrix printable.
- Available in white and yellow printable areas.



Temperature rating

Operating temperature range	-40°C to +135°C	-40°F to +275°F
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Specifications/approvals

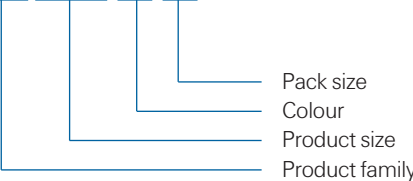
Military	SAE AS81531 4.6.2, MIL-STD-202F Method 215J
Industry	DMS 2325, DMS 2409

Printer information

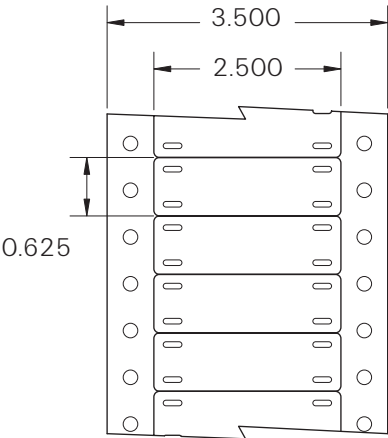
Tyco printer	AM6310 (dot matrix)
Tyco ribbon	1892 BK02 (dot matrix)

Part numbering system

NMX-25625-WE-2.5



Ordering information



Available sizes and formats

Ordering description	Label width		Label height		Printable width		Weight (g/10 pcs.)
	mm	inches	mm	inches	mm	inches	
NMX25625<colour>2.5	63.50	2.500	15.87	0.625	50.80	2.000	2.5

Options

Package sizes	Standard	2500 pieces per pack
	Nonstandard	Larger pack sizes are available. Please contact Tyco.
Colours	White	Yellow
	WE	YE

Ordering information: Specify product name, product size, colour and pack size.

Ordering example: NMX25625WE2.5

RPS

Commercial grade wire identification sleeves

RPS markers are heat shrinkable marking sleeves for wire and cable identification. When RPS is printed with Tyco recommended printers and ink ribbons, the marks remain legible, without any post printing process, even when exposed to abrasion, aggressive cleaning solvents, and industrial fluids.

RPS markers are designed to meet the wire identification needs of commercial and industrial customers.

Features and benefits

- Permanent identification sleeves.
- Computer printable.
- Excellent print performance.
- Configured for ease of kitting.
- Good chemical and solvent resistance.
- 3:1 shrink ratio.
- CSA Certified, UL Recognized.



Temperature rating

Operating temperature range	–30°C to +105°C	–22°F to +221°F
Minimum recovery temperature	+120°C	+248°F
Maximum storage temperature	+40°C	+104°F

Specifications/approvals

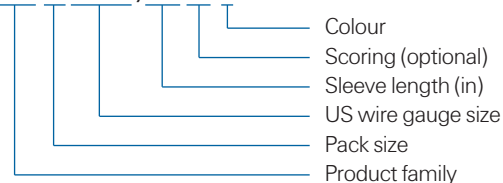
Tyco	RT 1804
Military	SAE AS81531 4.6.2 MIL-STD-202F Method 215J
Industry	UL Recognized – standard 224, file E35586 CSA Certified – file 31929

Printer information

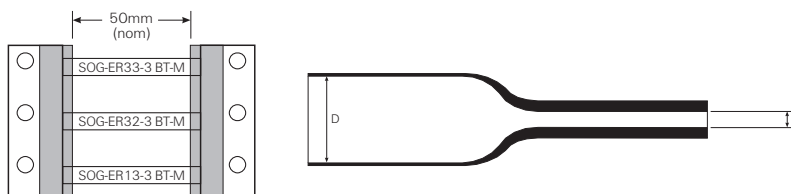
Tyco printer	LQ870 (dot matrix) T208M (thermal transfer – low volume) T312M (thermal transfer)
Tyco ribbon	TMS-SIX-RIBBON-A (dot matrix) TMS-101-RIBBON-4RPSCE (thermal transfer for T208M) TMS-RJS-RIBBON-4RPSCE (thermal transfer for T312M)

Part numbering system

RPS-1K-22-18/2.0-S1-9



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
RPS-1K-22-18/2.0- <colour>	3.18 0.125	1.07 0.042	1.17 - 2.66	0.046 - 0.105
RPS-1K-18-12/2.0- <colour>	4.75 0.187	1.57 0.062	1.75 - 4.06	0.069 - 0.160
RPS-1K-16-10/2.0- <colour>	6.35 0.250	2.11 0.083	2.31 - 5.46	0.091 - 0.215
RPS-1K-8-4/2.0- <colour>	9.53 0.375	3.18 0.125	3.47 - 8.12	0.137 - 0.320
RPS-1K-10-2/2.0- <colour>	12.70 0.500	4.22 0.166	4.64 - 10.79	0.183 - 0.425
RPS-1K-6-250/2.0- <colour>	19.05 0.750	6.35 0.250	6.99 - 16.25	0.275 - 0.640
RPS-1K-1-400/2.0- <colour>	25.40 1.000	8.46 0.333	9.29 - 21.59	0.366 - 0.850
RPS-1K-400-1000/2.0- <colour>	38.10 1.500	19.05 0.750	20.95 - 33.02	0.825 - 1.300

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 RPS sleeve.			
	Number of prescores	1 prescore	2 prescores	3 prescores
	Code	S1	S2	S3
Package sizes	Standard	1K - 1000 piece packs		
	Nonstandard	Smaller and larger pack sizes are available. Please contact Tyco.		
Colours	Standard	White	Yellow	
	Code	9	4	

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

Ordering example: RPS-1K-22-18/2.0-S2-9

NBC-SCE

Nuclear, biological and chemical heat shrink wire identification sleeves

Tyco NBC-SCE is used to identify wire and cables where extreme resistance to cleaning solvents is needed. The markers are suitable for use in wire harness systems requiring high fluid resistance and resistance to the effects of nuclear, biological and chemical agent exposure and decontamination. The markers should be used with an appropriate clear oversleeve whose ends are sealed with an appropriate epoxy adhesive.

NBC-SCE marker sleeves are suitable for use in environments with temperatures from -55°C to $+225^{\circ}\text{C}$ (-67°F to $+275^{\circ}\text{F}$).

Features and benefits

- Permanent identification sleeves.
- Computer-printable.
- 2:1 shrink ratio.
- NBC application with the appropriate adhesive and oversleeve.



Temperature rating

Operating temperature range	-55°C to $+225^{\circ}\text{C}$	-67°F to $+437^{\circ}\text{F}$
Minimum recovery temperature	$+200^{\circ}\text{C}$	$+392^{\circ}\text{F}$
Maximum storage temperature	$+40^{\circ}\text{C}$	$+104^{\circ}\text{F}$

Specifications/approvals

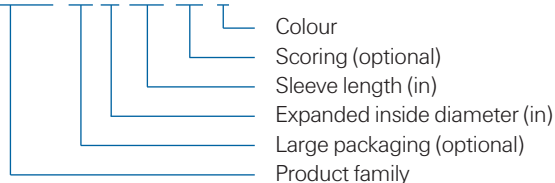
Tyco	RT 1809, RT 700
Military	SAE AS81531 4.6.2 MIL-STD-202F Method 215J

Printer information

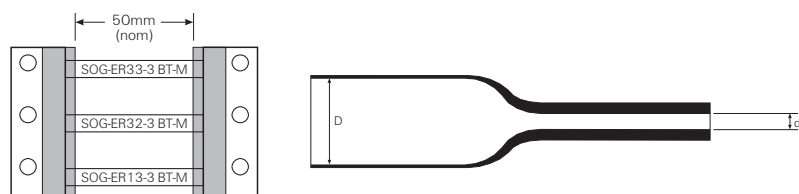
Tyco printer	T3 12M (thermal transfer)
Tyco ribbon	TMS-RJS-RIBBON-4HT (thermal transfer)

Part numbering system

NBC-SCE-1K- $\frac{1}{4}$ -2.0-S1-9



Ordering information



Available sizes and formats

Ordering description	Inside diameter				Recommended use range		Recovered wall thickness	
	Expanded D (minimum)		Recovered d (maximum)					
	mm	<i>inches</i>	mm	<i>inches</i>	mm	<i>inches</i>		
NBC-SCE-1K-1/8-2.0<colour>	3.43	<i>0.135</i>	1.59	<i>0.062</i>	1.75-2.66	<i>0.069-0.105</i>	0.38±0.08	<i>0.015±0.003</i>
NBC-SCE-1K-1/4-2.0<colour>	6.35	<i>0.250</i>	3.18	<i>0.125</i>	3.81-5.46	<i>0.150-0.215</i>	0.38±0.08	<i>0.015±0.003</i>
NBC-SCE-1K-1/2-2.0<colour>	12.70	<i>0.500</i>	6.35	<i>0.250</i>	6.99-10.79	<i>0.275-0.425</i>	0.38±0.08	<i>0.015±0.003</i>
NBC-SCE-1K-3/4-2.0<colour>	19.05	<i>0.750</i>	9.53	<i>0.375</i>	10.16-16.25	<i>0.400-0.640</i>	0.38±0.08	<i>0.015±0.003</i>
NBC-SCE-1K-1-2.0<colour>	25.40	<i>1.000</i>	12.70	<i>0.500</i>	14.70-21.50	<i>0.578-0.846</i>	0.43±0.10	<i>0.017±0.004</i>
NBC-SCE-1K-1-1/2-2.0<colour>	38.10	<i>1.500</i>	19.05	<i>0.750</i>	20.95-33.02	<i>0.825-1.300</i>	0.43±0.10	<i>0.017±0.004</i>

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 NBC-SCE sleeve.			
	Number of prescores	1 prescore	2 prescores	3 prescores
	Code	S1	S2	S3
Package sizes	Standard	1000 piece packages available for all NBC-SCE sizes		
Colours	Standard	White		
	Code	9		

Ordering information: Please specify product name, pack size, sleeve size, prescore, format and colour.

Ordering example: NBC-SCE-1K-1/8-2.0-9

TMS-CCUV

Heat-shrinkable UV protection sleeves with exceptional clarity and stability for use with TMS System Six identification sleeves and cable markers

TMS-CCUV clear heat shrinkable sleeves are designed for over protection of TMS System Six identification products, to give increased protection for permanent, long term UV exposure. The clear CCUV heat-shrinkable sleeves are formulated to combine a long term barrier to the effects of ultra-violet, with tough resistance to abrasion and industrial fluids. They are available in packs which match the product sizes and pack quantities of TMS System Six heat-shrinkable identification sleeves and cable markers.

The TMS CCUV sleeves are inherently low profile and use the action of heat-shrink to lock in place over the previously installed identification sleeves; except for cable markers which use a slide fitting CCUV sleeve which is held in place by the cable ties.

The action of heat-shrink locking of the CCUV sleeves means there is no reliance on the long term performance of adhesives to hold the outer protection layer in place, and also gives the ability to accommodate cables and wire bundles which may be bent or flexed during use.

Features and benefits

- Added UV protection sleeves.
- Not printable.
- Tough resistance to abrasion and industrial fluids.
- Heat-shrink locking in place (no reliance on adhesives).
- Low profile.
- Accommodates bent or flexing cable/wire bundles.
- Can work as an NBC (nuclear, biological, chemical) System with NBC-SCE sleeves and appropriate adhesive.



Ordering information



Temperature rating

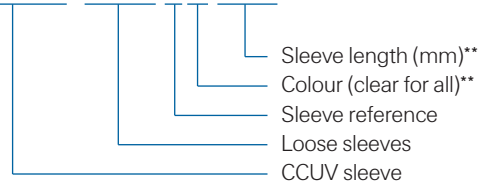
Operating temperature range	-55°C to +150°C	-67°F to 302°F
Minimum recovery temperature	+150°C	+302°F
Maximum storage temperature	+40°C	+104°F

Specifications/approvals

Tyco	RW 2027
Military	UL VW-1 rated SAE-AMS-DTL-23053/18, Class 2

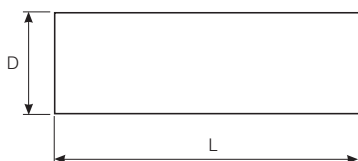
Part numbering system

TMS-CCUV-SLEEVE-1-X-65mm

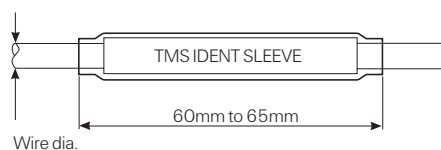


** not used in NBC-SCE 76mm (3") length sleeve options

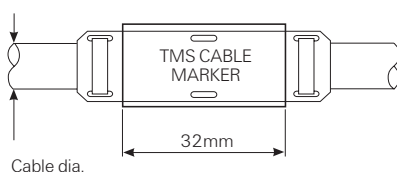
Before shrinking



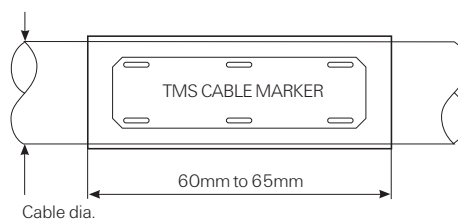
After shrinking over TMS cable sleeve



After sliding over TMS cable marker



After shrinking over TMS cable marker



Available sizes and formats*(For use with heat shrink sleeves)*

Ordering description	Sleeve length	Inside diameter minimum		Recovered diameter maximum		Wire size diameter		Sleeve size expanded diameter		
		mm	inches	mm	inches	mm	inches	TMS-SCE	RPS	US Wire gauge
TMS-CCUV-SLEEVE-1-X-65mm	65	3.20	0.125	1.60	0.063	1.80-2.80	0.071-0.110	2.40	0.094	N/A
TMS-CCUV-SLEEVE-1-X-65mm	65	3.20	0.125	1.60	0.063	1.80-2.80	0.071-0.110	3.20	0.125	22-18
TMS-CCUV-SLEEVE-2-X-65mm	65	4.80	0.187	2.40	0.094	2.60-3.70	0.102-0.146	4.80	0.188	18-12
TMS-CCUV-SLEEVE-2-X-65mm	65	4.80	0.187	2.40	0.094	2.60-3.70	0.102-0.146	6.40	0.250	16-10
TMS-CCUV-SLEEVE-3-X-65mm	65	6.40	0.250	3.20	0.126	3.50-5.10	0.138-0.201	9.50	0.375	8-4
TMS-CCUV-SLEEVE-4-X-65mm	65	9.50	0.375	4.80	0.189	5.00-7.00	0.197-0.275	12.70	0.500	10-2
TMS-CCUV-SLEEVE-5-X-65mm	65	12.70	0.500	6.40	0.252	6.90-10.60	0.272-0.417	19.00	0.750	6-250
TMS-CCUV-SLEEVE-6-X-65mm	65	19.00	0.750	9.50	0.374	10.00-14.00	0.394-0.551	25.40	1.000	1-400
TMS-CCUV-SLEEVE-7-X-65mm	65	25.40	1.000	12.70	0.500	13.30-21.00	0.524-0.827	25.40	1.000	1-400
TMS-CCUV-SLEEVE-8-X-65mm	65	38.10	1.500	19.00	0.748	21.00-33.80	0.827-1.331	38.10	1.500	400-1000

*Some TMS-SCE and RPS sleeve sizes may need to be recovered partially before CUV sleeve is applied to protect them.**(For use with cable markers to secure / protect without cable ties)*

Ordering description	Sleeve length	Inside diameter minimum		Recovered diameter maximum		Wire size diameter		Marker height	
		mm	inches	mm	inches	mm	inches	mm	inches
TMS-CCUV-SLEEVE-4-X-65mm	65	9.50	0.375	4.80	0.189	5.00-8.00	0.197-0.315	6.40	0.250
TMS-CCUV-SLEEVE-5-X-65mm	65	12.70	0.500	6.40	0.252	7.00-11.00	0.275-0.433	6.40	0.250
TMS-CCUV-SLEEVE-6-X-65mm	65	19.00	0.750	9.50	0.374	12.00-17.00	0.472-0.669	12.70	0.500
TMS-CCUV-SLEEVE-7-X-65mm	65	25.40	1.000	12.70	0.500	15.00-23.00	0.590-0.905	12.70	0.500

(For use with cable markers to protect with cable ties)

Ordering description	Sleeve length	Inside diameter minimum		Recovered diameter maximum		Wire size diameter		Marker height	
		mm	inches	mm	inches	mm	inches	mm	inches
TMS-CCUV-SLEEVE-9-X-32mm	32	6.40	0.250	3.20	0.126	N/A		6.40	0.250
TMS-CCUV-SLEEVE-10-X-32mm	32	12.70	0.500	6.40	0.252	N/A		12.70	0.500

(For use with NBC-SCE sleeves and adhesives sealing)*

Ordering description	Sleeve length	Inside diameter minimum		Recovered diameter maximum		Wire size diameter NBC-SCE		Sleeve size expanded diameter NBC-SCE	
		mm	inches	mm	inches	mm	inches	mm	inches
TMS-CCUV-SLEEVE-15	76	3.20	0.125	1.60	0.063	1.80-2.80	0.071-0.110	3.20	0.125
TMS-CCUV-SLEEVE-16	76	4.80	0.187	2.40	0.094	2.60-3.70	0.102-0.146	4.80	0.188
TMS-CCUV-SLEEVE-17	76	6.40	0.250	3.20	0.126	3.50-5.10	0.138-0.201	6.40	0.250
TMS-CCUV-SLEEVE-18	76	9.50	0.375	4.80	0.189	5.00-7.00	0.197-0.275	9.50	0.375
TMS-CCUV-SLEEVE-19	76	12.70	0.500	6.40	0.252	6.90-10.60	0.272-0.417	12.70	0.500
TMS-CCUV-SLEEVE-20	76	19.00	0.750	9.50	0.374	10.00-14.00	0.394-0.551	19.00	0.750
TMS-CCUV-SLEEVE-21	76	25.40	1.000	12.70	0.500	13.30-21.00	0.524-0.827	25.40	1.000
TMS-CCUV-SLEEVE-22	76	38.10	1.500	19.00	0.748	21.00-33.80	0.827-1.331	38.10	1.500

For use with adhesives such as S-1255-04 and S-1264 please refer to RT1012 and RT1014 for specifications and adhesive details.*Options**

Prescoring	Not available — supplied as cut pieces.	
Package Sizes	Standard	250 piece bags only
Colours	Standard	Clear only
Ordering information:	Specify product name, loose sleeve, sleeve reference, colour and sleeve length.	
Ordering example:	For all Heat Shrink sleeves except NBC-SCE TMS-CCUV-SLEEVE-1-X- 65mm For NBC-SCE TMS-CCUV-SLEEVE-22	

VF/NPVF/VF-130

*Tedlar® colour coding
tape and labels*

This polyvinyl fluoride material is designed for use as a wire/cable marker, label and wrap-around, in the general aviation industry. The product is ideal for a variety of harsh chemical environments and where non-igniting/self-extinguishing properties are a necessity. It is available in several application-defined types and sizes and can be used with various printing technologies.

VF series

The VF series of Tedlar® products is specifically designed for wire/cable labeling. The product is dot matrix or thermal transfer printable and is available in several continuous and die-cut formats to fit a wide range of cables/cable bundles. The product meets all the requirements of the BMS 13-47, DMS 2359 and GAT100BA specifications, the benchmarks for pressure-sensitive wrap-around labels in the aerospace industry.

NPVF Series

The NPVF Tedlar® is a non-printable, 12.7mm (½ in) wide and 30.48m (100 ft) long continuous tape designed for use as a colour-coded identifier for cables/cable bundles. Besides identifying the bundle this product is wrapped around, it also provides strength and rigidity to the bundle. The product has all the features of the VF series of Tedlar® products except for printability.

VF-130 Series

The VF-130 series is a range of clear non-printable Tedlar® tapes designed for use as an over laminate on wires/bundle identifiers where additional UV protection is required. These tapes can be used over various types of identifiers like wrap around labels, heat-shrink labels, tie-on cable labels and pressure-sensitive markers.

Features and benefits

- Resists water, oil, conventional cleaning agents, and oil based solvents.
- Filters UV light.
- Exhibits high degree of resistance to ageing.
- Meets the requirements of MIL-M-87958.
- Available in several colours to facilitate colour-coding and clear for over laminating.



Temperature rating

Operating temperature range		
VF and NPVF	-40°C to +130°C	-40°F to +266°F
VF-130	-40°C to +105°C	-40°F to +221°F

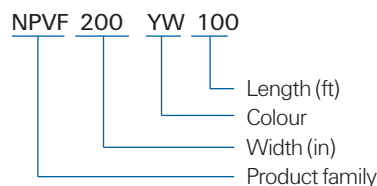
Specifications/approvals

Military	MIL-M-87958 DMS 2359
Industry	BMS-13-47 BACT 19 GAT100BA

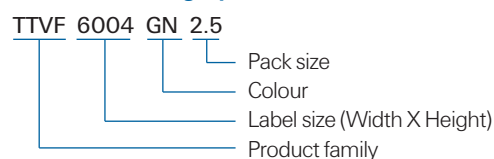
Printer information

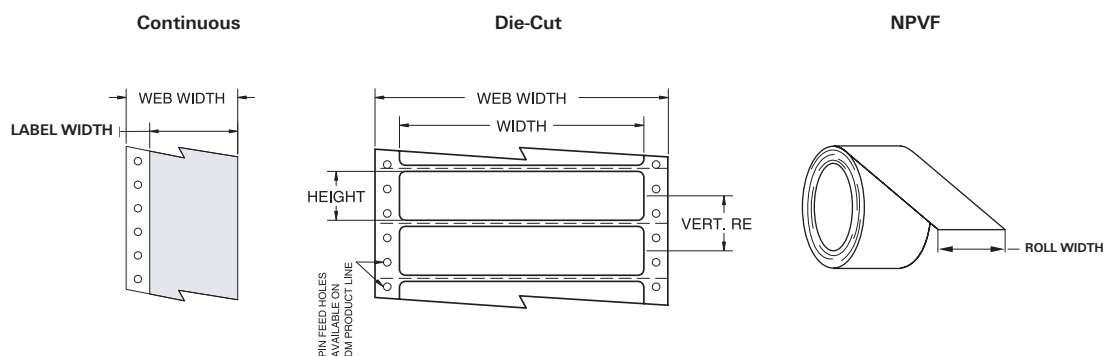
Tyco printer	AM6310 (dot matrix) T series printers (thermal transfer*) *Size dependent. Contact Tyco.
Tyco ribbon	1892BK01 (dot matrix) 1330-3300-XX (thermal transfer*) *Size dependent. Contact Tyco.

Part numbering system (Continuous)



Part numbering system (Die-Cut)



**Polyvinyl Fluoride VF Tedlar® – Continuous Labels**

Ordering description	Printer type	Label width mm inches	Label length M FT	Quantity per pack
<format>VF050<colour>-180	DM/TT	12.70 0.500	54.86 180	Continuous
<format>VF075<colour>-100	DM/TT	19.05 0.750	30.48 100	Continuous
<format>VF100<colour>-100	DM/TT	25.40 1.000	30.48 100	Continuous
<format>VF150<colour>-100	DM/TT	38.10 1.500	30.48 100	Continuous
<format>VF200<colour>-100	DM/TT	50.80 2.000	30.48 100	Continuous
<format>VF300<colour>-100	DM/TT	76.20 3.000	30.48 100	Continuous
<format>VF400<colour>-100	DM/TT	101.60 4.000	30.48 100	Continuous

Polyvinyl Fluoride VF Tedlar® – Die-Cut Labels

Ordering description	Printer type	Label width mm inches	Label height M FT	Quantity per pack
<format>VF1029<colour>-2.5	DM/TT	25.40 1.000	73.66 2.900	2500
<format>VF1079<colour>-1	DM/TT	25.40 1.000	200.66 7.900	1000
<format>VF1529<colour>-2.5	DM/TT	38.10 1.500	73.66 2.900	2500
<format>VF1679<colour>-1	DM/TT	40.64 1.600	200.66 7.900	1000
<format>VF3015<colour>-1	DM/TT	76.20 3.000	38.10 1.500	1000
<format>VF3509<colour>-2.5	DM/TT	88.90 3.500	22.86 0.900	2500
<format>VF6004<colour>-2.5	DM/TT	152.40 6.000	10.16 0.400	2500

Options

Format	(TT) Thermal transfer printable						
	(DM) Dot matrix printable						
Colours	Yellow	White	Red	Blue	Green	Violet	Pink
Code	YW	WE	RD	BE	GN	VT	PK

Polyvinyl Fluoride NPVF Tedlar® – Colour coding tape

Ordering description	Printer type	Roll width mm inches	Label length M FT	Quantity per pack
NPVF050XX-100	N/A	12.70 0.500	30.48 100	Continuous

Options

Colours	Yellow	White	Red	Blue	Green	Violet	Pink	Black	Brown	Orange	Grey	Gold
Code	YW	WE	RD	BE	GN	VT	PK	BK	BN	OE	GY	GD

Polyvinyl Fluoride VF-130 Tedlar® – Over laminate tapes

Ordering description	Printer type	Colour	Label width mm inches	Label length M FT	Quantity per pack
NPVF150CL-100	N/A	Clear	38.10 1.500	30.48 100	Continuous
NPVF200CL-100	N/A	Clear	50.80 2.000	30.48 100	Continuous
NPVF300CL-100	N/A	Clear	76.20 3.000	30.48 100	Continuous
NPVF400CL-100	N/A	Clear	101.60 4.000	30.48 100	Continuous

RMK-6

Computer printable epoxy coated labels designed to withstand harsh environments

RMK-6 is a computer printable labelstock with outstanding fluid and abrasion resistance, designed to be printed by impact dot matrix printers. When heat-cured after printing, its unique heat reactive epoxy surface "locks in" the image to combine the versatility and convenience of on-site printing with performance to meet the toughest conditions. A high performance acrylic adhesive ensures simple installation while maintaining excellent adhesion.

Typical applications are rating plate labels, component identification, and pipe and cable wraparound markers. Outdoor use is not recommended.

Features and benefits

- Printable by dot matrix printers.
- Excellent fluid and abrasion resistance without an overlay.
- High performance acrylic adhesive.
- Low fire hazard properties.
- Indoor use only.



Temperature rating

Operating temperature range

Wiring marking -40°C to +85°C -40°F to +185°F

Panel marking -40°C to +105°C -40°F to +221°F

Excursion temperature +200°C for 2 hours

Storage conditions Unopened 12 months at temperatures not exceeding +35°C (+95°F).

Opened 6 months at temperatures not exceeding +25°C (+77°F) and 80% relative humidity

Specifications/approvals

Tyco RK 6648

Printer information

Tyco printer AM6310 (dot matrix)
Tyco ribbon 1892BK04 (dot matrix)

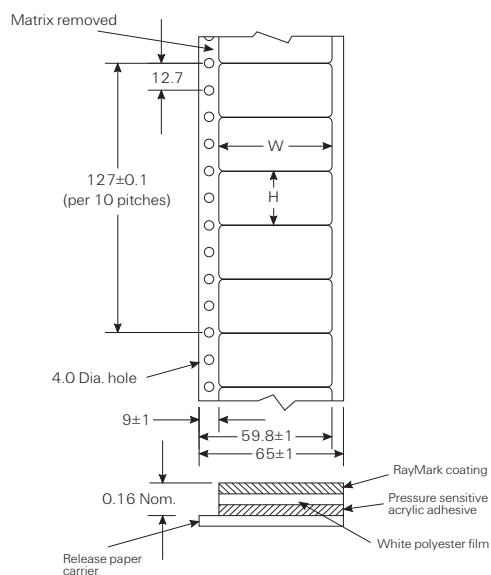
Part numbering system

RMK6 - 8.5

Label height (mm)

Product family

Ordering information



Available sizes and formats

Ordering description	Label height mm	Label width mm	Package quantity Labels per pack
RMK6-4.2	4.20	50.80	10000
RMK6-8.5	8.50	50.80	5000
RMK6-12.7	12.70	50.80	3000
RMK6-17.0	17.00	50.80	2500
RMK6-25.4	25.40	50.80	1500
RMK6-55.0	55.00	50.80	750
RMK6-WM*	*	50.80	*

*An uncut version for wraparound markers. Spool length = 40 meters.

Options

Colours	Standard	White
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RMK

*Computer printable, epoxy coated labels
in a sheet form designed to withstand
harsh environments*

RMK is a computer printable labelstock with outstanding fluid and abrasion resistance, designed to be printed by sheet fed inkjet printers. When heat-cured after printing its unique heat reactive epoxy surface "locks in" the image to combine the versatility and convenience of on-site printing with performance to meet the toughest conditions. A high performance acrylic adhesive ensures simple installation while maintaining excellent adhesion. A wide range of label sizes are available, supplied in A4 sheets for feeding through standard inkjet printers.

Typical applications are replacement of engraved metal or plastic labels, signs and tallies rating plate labels and colour coding.

Features and benefits

- High performance label material.
- High performance acrylic adhesive.
- A4 format sheet.
- Printable by colour inkjet printers with sheet feed.
- Outstanding fluid and abrasion resistance without an overlay.
- Low fire hazard properties.
- Indoor use only.

**Temperature rating**

Operating temperature range			
	Wiring marking	-40°C to +85°C	-40°F to +185°F
	Panel marking	-40°C to +105°C	-40°F to +221°F
Excursion temperature			
		+200°C for 2 hours	
Storage conditions	Unopened	12 months at temperatures not exceeding +35°C (+95°F)	
	Opened	6 months at temperatures not exceeding +25°C (+77°F) and 80% relative humidity	

Specifications/approvals

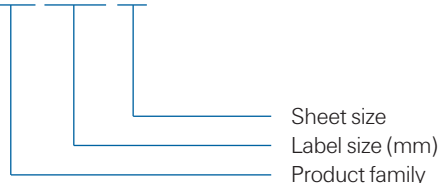
Tyco	RK 6648
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Printer information

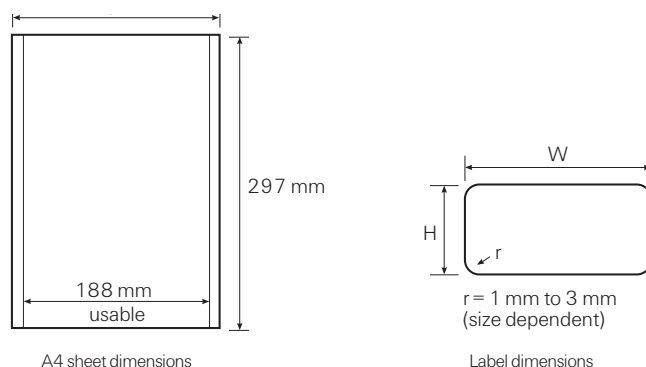
Various colour inkjet printers can be used depending on the application.
Tyco recommended printer HP-900 Series
For further advice on possible alternative printers, contact Tyco.

Part numbering system

RMK-18x35-A4



Ordering information



Available sizes and formats

Ordering description	Label height mm	Label width mm	Labels per sheet
RMK-9x25-A4	9	25	132
RMK-18x35-A4	18	35	48
RMK-18x50-A4	18	50	36
RMK-25x50-A4	25	50	27
RMK-25x75-A4	25	75	18
RMK-35x75-A4	35	75	12
RMK-25x100-A4	25	100	10
RMK-50x100-A4	50	100	5
RMK-75x150-A4	75	150	3
RMK-10x19-A4	10	19	160
RMK-11x40-A4	11	40	72
RMK-18x20-A4	18	20	96
RMK-18x25-A4	18	25	72
RMK-25x30-A4	25	30	45
RMK-25x35-A4	25	35	36
RMK-28x40-A4	28	40	32
RMK-30x13-A4	30	13	88
RMK-50x13-A4	50	13	50
RMK-50x25-A4	50	25	30
RMK-87x13-A4	87	13	33
RMK-87x25-A4	87	25	18
RMK-150x150-A4	150	150	1
RMK-170x13-A4	170	13	11
RMK-170x25-A4	170	25	6
RMK-200x13-A4	200	13	10
RMK-250x13-A4	250	13	11
RMK-250x25-A4	250	25	6
RMK-190x30-A4	190	30	5
RMK-UNCUT-A4	Uncut		50 sheets

Options

Package size	Standard	50 sheets
Colour	Standard	White

TTP*Continuous polyester
for decals*

The system is designed for applications that require a high-durability label with all the features of a "silk-screened" label, only without the cost, time and inflexibility involved in obtaining a silk-screened product. The product utilizes high performance polyester with permanent acrylic adhesive. It is thermal transfer printable with all the capabilities of graphics, barcodes, logos and several fonts. The product is available in several colours although white, clear and metalised silver are available as standard. Typical applications include panel labels, fascias, decalcomanias and asset identification and rating plates. Typical industry use includes aerospace, defense, electronics and infrastructure.

Features and benefits

- Efficient solution for expensive silk-screen printing.
- Available in continuous format.
- Several widths and colours available.
- Interior and exterior aircraft use including flight entertainment and deck instrumentation.
- Thermal transfer printable.
- Printable in any combination of material and ribbon colours.

**Temperature rating**

Operating temperature range

Clear	-40°C to +125°C	-40°F to +257°F
White, metalised and colours	-29°C to +150°C	-20°F to +302°F

Specifications/approvals

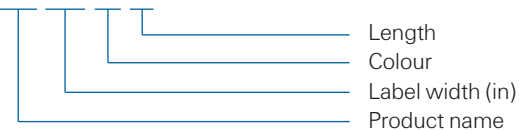
Military	MIL-P-38477A (Salt spray) A-A-59485 (accelerated weather resistance and salt spray)
Industry	GAT 100BB

Printer information

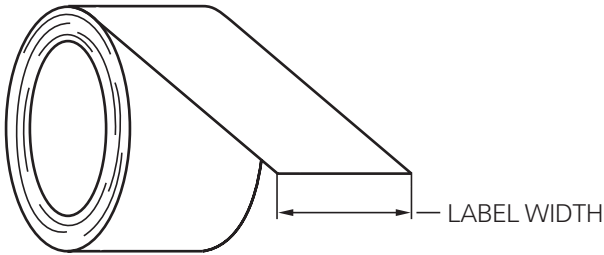
Tyco printer	T312M (thermal transfer)
Tyco ribbon	1330-3300-10 (thermal transfer)

Part numbering system

TTP 200 CL-10



Ordering information



Available sizes and formats

Ordering description	Label width		Roll length		Quantity per pack
	mm	inches	meters	feet	
TTP200<colour>10	50.80	2.000	30.48	100	Continuous
TTP300<colour>10	76.20	3.000	30.48	100	Continuous
TTP400<colour>10	101.60	4.000	30.48	100	Continuous
TTP600<colour>10	152.40	6.000	30.48	100	Continuous

Options

Colours	Standard	Clear	White	Metalised silver			
	Code	CL	WE	MP			
	Non Standard	Red	Green	Blue	Orange	Black	Yellow
	Code	RD	GN	BE	OE	BK	YW

Ordering example: TTP 300 GN-10

HPK

Thermal transfer
printable panel labels

Tyco HPK is a semi-rigid, heavy gauge polypropylene film with a permanent acrylic adhesive, designed to permanently identify control panel components and racks, as well as general labeling applications that require a high performance heavy gauge material. They offer excellent abrasion resistance, and adhere to most smooth surfaces including bare and painted metal.

For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

Features and benefits

- Self-adhesive backing for quick and easy fixing.
- Thermal transfer printable.
- Recommended for indoor use.
- Resistant to common fluids, lubricants and solvents.



Temperature rating

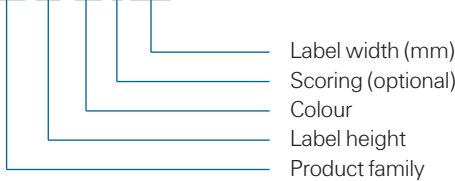
Operating temperature range	-29°C to +80°C	-24°F to +176°F
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Printer information

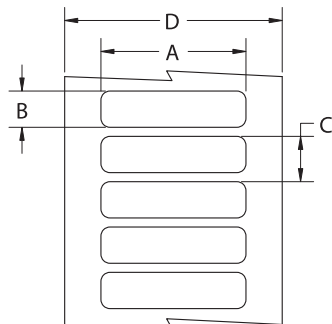
Tyco printer	T308S (thermal transfer)
Tyco ribbon	1330-0607-10 (thermal transfer)

Part numbering system

HPK-02-WE-1 050



Ordering information



Available sizes and formats

Ordering description	Labels across	(A) Label width		(B) Label height		(C) Vertical repeat		(D) Web width	
		mm	inches	mm	inches	mm	inches	mm	inches
HPK02WE1050	1	50.80	2.000	5.10	0.200	8.30	0.325	57.20	2.250
HPK04WE1050	1	50.80	2.000	10.20	0.400	13.30	0.525	57.20	2.250
HPK06WE1050	1	50.80	2.000	15.20	0.600	18.40	0.725	57.20	2.250
HPK08WE1050	1	50.80	2.000	20.30	0.800	23.50	0.925	57.20	2.250
HPK10WE1050	1	50.80	2.000	25.40	1.000	28.60	1.125	57.20	2.250

Options

Prescoring	Perforated score to produce multiple labels from each HPK label.		
	Number of prescores	0 prescores	1 prescore
	Code	1	2
Package size	Standard	1000 piece pack	
Colour	Standard	White	

Ordering information: Specify product name, product size and prescores.

Ordering example: HPK02WE1050

HPC

Dot matrix printable panel labels

Tyco HPC is a semi-rigid, heavy gauge specially formulated fabric material with a high tack permanent acrylic adhesive that is designed to permanently identify control panel components and racks, as well as general labeling applications that require a high performance, heavy gauge material. It has excellent abrasion resistance and adheres to most smooth surfaces including bare and painted metal.

For guaranteed print performance and durability, use with Tyco's RI Quick Dry series ribbon.

Features and benefits

- Specially formulated fabric material.
- Dot matrix printable.
- Print performance exceeds military specs.
- High performance acrylic adhesive.
- Single score option available.

Higher minimum order quantities may apply.



Temperature rating

Operating temperature range	-54°C to +71°C	-65°F to +160°F
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Specifications/approvals

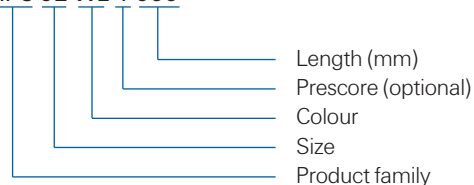
Military	SAE AS81531 4.6.2 MIL-STD-202F method 215J
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Printer information

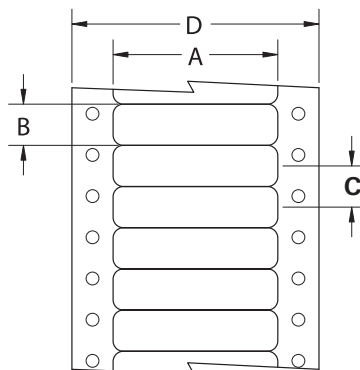
Tyco printer	AM6310* (dot matrix)
Tyco ribbon	1892BK01* (dot matrix)
*Alternate printers and ribbons available for special applications. Contact Tyco Electronics Identification for more information.	

Part numbering system

HPC 02 WE 1 050



Ordering information



Available sizes and formats

Ordering description	Number of labels across	(A) Label width		(B) Label height		(C) Vertical repeat		(D) Web width	
		mm	inches	mm	inches	mm	inches	mm	inches
HPC02WE1050	1	50.80	2.000	5.10	0.200	5.10	0.200	76.20	3.000
HPC04WE1050	1	50.80	2.000	10.20	0.400	10.20	0.400	76.20	3.000
HPC06WE1050	1	50.80	2.000	15.20	0.600	15.20	0.600	76.20	3.000
HPC08WE1050	1	50.80	2.000	20.30	0.800	20.30	0.800	76.20	3.000
HPC10WE1050	1	50.80	2.000	25.40	1.000	25.40	1.000	76.20	3.000

Options

Prescoring	Perforated score to produce multiple labels from each HPC label.			
	Standard	Number of prescores	0 prescores	1 prescore
		Labels per 2" width	1	2
		Code	1	2
Package sizes	Standard	1000 piece packages available.		
Colours	Standard	White		

Ordering information: Specify product name, size, colour, prescore and length.

Ordering example: HPC02WE1050

SB*Thermal transfer printable
self-laminating labels*

Tyco SB is a thermal transfer printable, clear vinyl film with a permanent acrylic adhesive, supplied with a white printable area, which is over-laminated upon application with the clear portion of the label. This 'self-laminating' feature protects the printed area from exposure to oil, solvents, water and abrasion. SB labels offer excellent conformability to round, irregular or flexible surfaces. Ideal for wire and cable identification, including flat ribbon cables that are subject to repeated bending, they are UL and CSA Listed. For guaranteed print performance and durability, use with Tyco's 3300 series ribbon.

Features and benefits

- Manufactured with a white coated area for printing or writing on, and with a clear wrap to wind around a wire or cable over the printed surface to seal out impurities that would cause the label to become illegible.
- Protects printed information from chemicals and frequent handling.
- Designed to withstand exposure to oil, solvents, and water.
- Can also be flagged around a wire rather than wrapped.

**Temperature rating**

Operating temperature range	-54°C to +82°C	-65°F to +180°F
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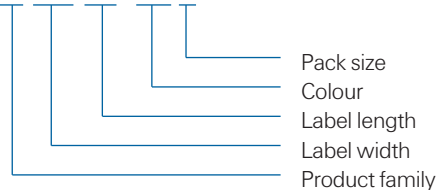
Printer information

Tyco printer	T308S* (thermal transfer) T312M (thermal transfer)
Tyco ribbon	1330-3300-10* (thermal transfer)

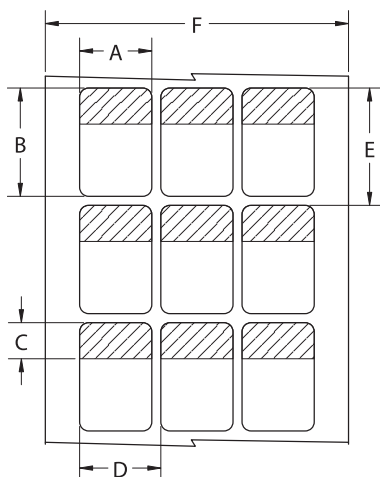
* Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.

Part numbering system

SB-100-225-WE-5



Ordering information



Available sizes and formats

Ordering description	Package quantity	Labels across	(A) Label width		(B) Label height		(C) Printable height		(D) Horizontal repeat		(E) Vertical repeat		(F) Web width	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
SB050100WE10	10,000	5	12.70	0.500	25.40	1.000	8.50	0.330	16.80	0.600	31.00	1.222	86.00	3.384
SB050143WE10	10,000	5	12.70	0.500	36.50	1.437	12.70	0.500	16.80	0.662	42.20	1.661	86.00	3.384
SB080150WE10	10,000	4	20.30	0.800	38.10	1.500	12.70	0.500	22.90	0.900	44.50	1.750	94.90	3.736
SB100143WE5	5,000	3	25.40	1.000	36.50	1.437	12.70	0.500	27.90	1.100	42.20	1.661	87.30	3.436
SB100225WE5	5,000	3	25.40	1.000	57.20	2.250	19.10	0.750	27.90	1.100	66.70	2.625	87.30	3.436
SB100375WE2.5	2,500	3	25.40	1.000	95.30	3.750	25.40	1.000	27.90	1.100	101.60	4.000	87.30	3.436
SB100594WE1	1,000	3	25.40	1.000	151.00	5.940	38.10	1.500	27.90	1.100	158.80	6.250	87.30	3.436
SB100743WE1	1,000	3	25.40	1.000	188.90	7.437	38.10	1.500	27.90	1.100	195.30	7.688	87.30	3.436
SB190319WE2.5	2,500	2	48.30	1.900	81.00	3.190	19.10	0.750	50.80	2.000	87.40	3.440	105.10	4.138
SB190594WE1	1,000	2	48.30	1.900	151.00	5.940	38.10	1.500	50.80	2.000	158.80	6.250	105.10	4.138
SB200143WE2.5	2,500	2	50.80	2.000	36.50	1.437	12.70	0.500	50.80	2.000	42.20	1.661	107.60	4.236
SB200225WE2.5	2,500	2	50.80	2.000	57.20	2.250	19.10	0.750	50.80	2.000	66.70	2.625	107.60	4.236
SB200375WE2.5	2,500	2	50.80	2.000	95.30	3.750	25.40	1.000	53.30	2.100	101.60	4.000	111.40	4.386
SB200743WE1	1,000	2	50.80	2.000	188.90	7.437	38.10	1.500	53.30	2.100	195.30	7.688	110.10	4.336

Options

Colours	Standard	White with clear tail
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PVF

Polyvinylfluoride thermal transfer printable self-laminating labels

Tyco PVF is a thermal transfer printable, clear polyvinylfluoride (Tedlar®) film with a permanent acrylic adhesive, designed for wire and cable marking applications that require the 'self-extinguishing' properties of Tedlar®. PVF labels are supplied with a white printable area, which is over-laminated upon application with the clear portion of the label. This 'self-laminating' feature protects the printed area from exposure to oil, solvents, water and abrasion. The low-profile design makes PVF suitable for wrapping onto thin wire gauges. For guaranteed print performance and durability use with Tyco's 3300 series ribbon.

Features and benefits

- Resists water, oils, and conventional cleaning agents.
- Filters UV light.
- Exhibits high degree of resistance to ageing.
- Thermal transfer printable.



Temperature rating

Operating temperature range -40°C to +105°C -40°F to +221°F

Printer information

Tyco printer	T308S* (thermal transfer)
Tyco ribbon	1330-3300-10* (thermal transfer)

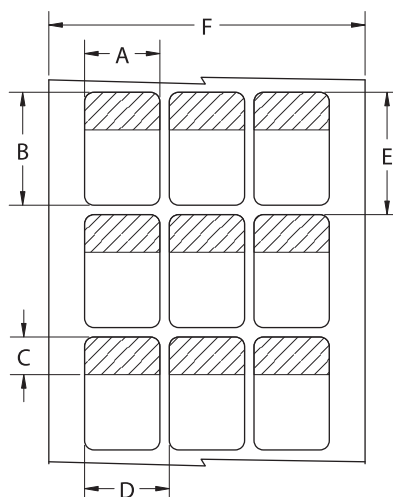
**Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.*

Part numbering system

PVF-080-150-WE-10

—	Pack size
—	Colour
—	Label height (in)
—	Label width
—	Product family

Ordering information



Available sizes and formats

Ordering description	Package quantity	Labels across	(A) Label width		(B) Label height		(C) Printable height		(D) Horizontal repeat		(E) Vertical repeat		(F) Web width	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
PVF050100WE10	10,000	5	12.70	0.500	25.40	1.000	8.50	0.330	16.80	0.600	31.00	1.222	86.00	3.384
PVF050143WE10	10,000	5	12.70	0.500	36.50	1.437	12.70	0.500	16.80	0.662	42.20	1.661	86.00	3.384
PVF080150WE10	10,000	4	20.30	0.800	38.10	1.500	12.70	0.500	22.90	0.900	44.50	1.750	94.90	3.736
PVF100143WE5	5,000	3	25.40	1.000	36.50	1.437	12.70	0.500	27.90	1.100	42.20	1.661	87.30	3.436
PVF100225WE5	5,000	3	25.40	1.000	57.20	2.250	19.10	0.750	27.90	1.100	66.70	2.625	87.30	3.436
PVF100375WE2.5	2,500	3	25.40	1.000	95.30	3.750	25.40	1.000	27.90	1.100	101.60	4.000	87.30	3.436
PVF100594WE1	1,000	3	25.40	1.000	151.0	5.940	38.10	1.500	27.90	1.100	158.80	6.250	87.30	3.436
PVF100743WE1	1,000	3	25.40	1.000	188.9	7.437	38.10	1.500	27.90	1.100	195.30	7.688	87.30	3.436
PVF190319WE2.5	2,500	2	48.30	1.900	81.00	3.190	19.10	0.750	50.80	2.000	87.40	3.440	105.10	4.138
PVF190594WE1	1,000	2	48.30	1.900	151.00	5.940	38.10	1.500	50.80	2.000	158.80	6.250	105.10	4.138
PVF200143WE2.5	2,500	2	50.80	2.000	36.50	1.437	12.70	0.500	50.80	2.000	42.20	1.661	107.60	4.236
PVF200225WE2.5	2,500	2	50.80	2.000	57.20	2.250	19.10	0.750	50.80	2.000	66.70	2.625	107.60	4.236
PVF200375WE2.5	2,500	2	50.80	2.000	95.30	3.750	25.40	1.000	53.30	2.100	101.60	4.000	111.40	4.386
PVF200743WE1	1,000	2	50.80	2.000	188.90	7.437	38.10	1.500	53.30	2.100	195.30	7.688	110.10	4.336

Options

Colours	Standard	White with clear tail
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TW

Dot matrix printable
self-laminating labels

Tyco TW is a dot matrix printable, clear vinyl film with a permanent acrylic adhesive, supplied with a white printable area, which is over-laminated upon application with the clear portion of the label. This 'self-laminating' feature protects the printed area from exposure to oil, solvents, water and abrasion. TW labels offer excellent conformability to round, irregular or flexible surfaces, and are ideal for wire and cable identification, including flat ribbon cables that are subject to repeated bending. They are UL and CSA Listed, with guaranteed print performance and durability, when used with Tyco's RI Quick Dry series ribbon.

Features and benefits

- Manufactured with a white coated area for printing or writing on, and with a clear wrap to wind around a wire or cable over the printed surface to seal out impurities that would cause the label to become illegible.
- Protects printed information from chemicals and frequent handling.
- Designed to withstand exposure to oil, solvents, and water.
- Can also be flagged around a wire rather than wrapped.



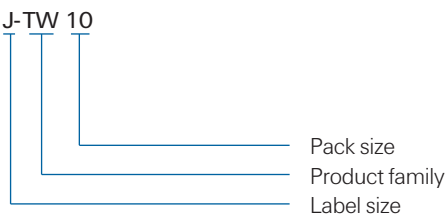
Temperature rating

Operating temperature range	-40°C to +80°C	-40°F to +176°F
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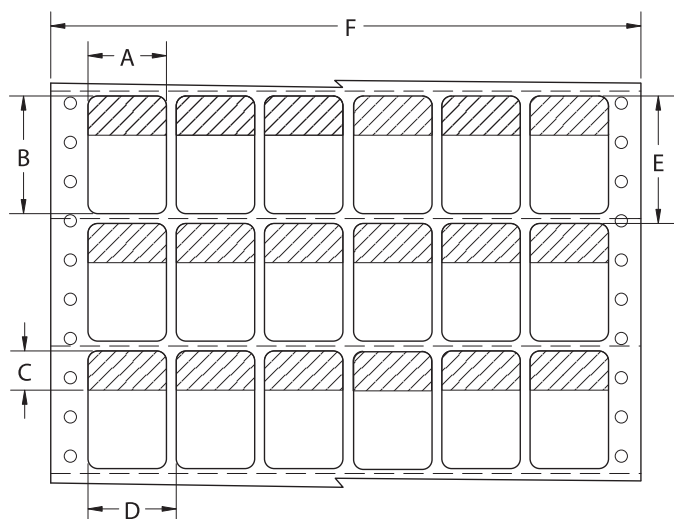
Printer information

Tyco printer	LQ870* (dot matrix)
Tyco ribbon	1330-0037-00* (dot matrix)
* Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.	

Part numbering system



Ordering information



Available sizes and formats

Ordering description	Package quantity	Labels across	(A) Label width		(B) Label height		(C) Printable height		(D) Horizontal repeat		(E) Vertical repeat		(F) Web width	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
J-TW10	10,000	12	12.70	0.500	19.10	0.750	9.50	0.375	15.20	0.600	25.40	1.000	205.70	8.100
N-TW10	10,000	16	12.70	0.500	36.50	1.437	12.70	0.500	12.70	0.500	38.10	1.500	228.60	9.000
Q-TW10	10,000	9	19.10	0.750	44.50	1.750	12.70	0.500	22.90	0.900	50.80	2.000	227.30	8.950
A-TW10	10,000	6	12.70	0.800	36.50	1.437	12.70	0.500	22.90	0.900	38.10	1.500	160.00	6.300
O-TW10	10,000	8	25.40	1.000	36.50	1.437	12.70	0.500	25.40	1.000	38.10	1.500	228.60	9.000
R-TW5	5,000	8	25.40	1.000	57.20	2.250	19.10	0.750	25.40	1.000	63.50	2.500	228.60	9.000
T-TW2.5	2,500	8	25.40	1.000	95.30	3.750	25.40	1.000	25.40	1.000	101.60	4.000	228.60	9.000
W1-TW1	1,000	8	25.40	1.000	150.90	5.940	38.10	1.500	25.40	1.000	152.40	6.000	228.60	9.000
D1-TW1	1,000	7	25.40	1.000	188.90	7.437	38.10	1.500	27.90	1.100	190.50	7.500	218.40	8.600
C1-TW2.5	2,500	3	48.30	1.900	81.00	3.190	19.10	0.750	50.80	2.000	88.90	3.500	175.30	6.900
P-TW5	5,000	4	50.80	2.000	36.50	1.437	12.70	0.500	50.80	2.000	38.10	1.500	228.60	9.000
S-TW2.5	2,500	4	50.80	2.000	57.20	2.250	19.10	0.750	50.80	2.000	63.50	2.500	228.60	9.000
U-TW2.5	2,500	4	50.80	2.000	95.30	3.750	25.40	1.000	50.80	2.000	101.60	4.000	228.60	9.000
W2-TW1	1,000	3	50.80	2.000	150.90	5.940	38.10	1.500	53.30	2.100	152.40	6.000	182.90	7.200
D3-TW1	1,000	3	50.80	2.000	188.90	7.437	38.10	1.500	55.90	2.200	190.50	7.500	188.00	7.400

Options

Colours	Standard	White with clear tail
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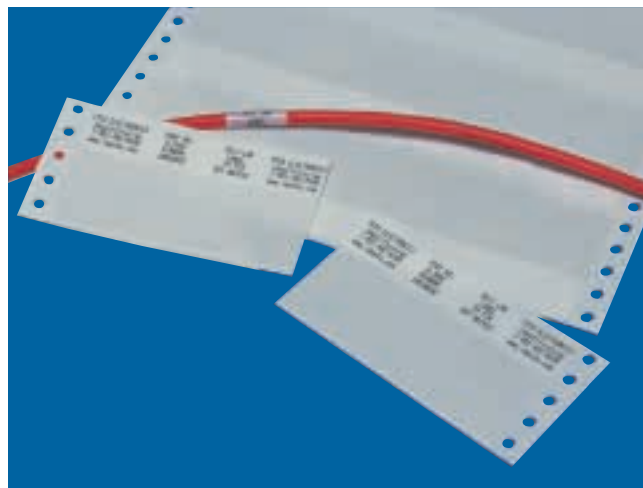
PV

Polyvinylfluoride dot matrix printable
self-laminating labels

Tyco PV is a dot matrix printable, clear polyvinylfluoride (Tedlar®) film with a permanent acrylic adhesive, designed for wire and cable marking applications that require the 'self-extinguishing' properties of Tedlar®. PV labels are supplied with a white printable area, which is over-laminated upon application with the clear portion of the label. This 'self-laminating' feature protects the printed area from exposure to oil, solvents, water and abrasion. The low-profile design makes PV suitable for wrapping onto thin wire gauges. For guaranteed print performance and durability, use with Tyco's RI Quick Dry series ribbon.

Features and benefits

- Resists water, oils, and conventional cleaning agents.
- Filters UV light.
- Exhibits high degree of resistance to ageing.



Temperature rating

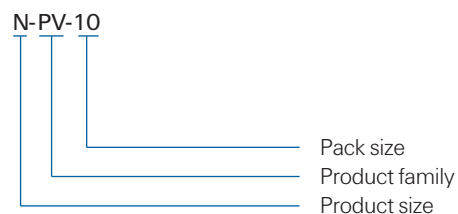
Operating temperature range -40°C to +105°C -40°F to +221°F

Printer information

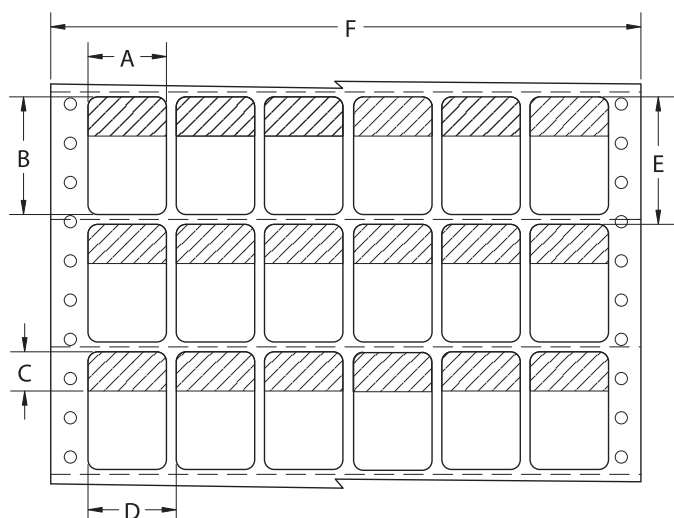
Tyco printer	LQ870* (dot matrix)
Tyco ribbon	1330-0037-00* (dot matrix)

**Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.*

Part numbering system



Ordering information



Available sizes and formats

Ordering description	Package quantity	Labels across	(A) Label width		(B) Label height		(C) Printable height		(D) Horizontal repeat		(E) Vertical repeat		(F) Web width	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
J-PV10	10,000	12	12.70	0.500	19.10	0.750	9.50	0.375	15.20	0.600	25.40	1.000	205.70	8.100
N-PV10	10,000	16	12.70	0.500	36.50	1.437	12.70	0.500	12.70	0.500	38.10	1.500	228.60	9.000
Q-PV10	10,000	9	19.10	0.750	44.50	1.750	12.70	0.500	22.90	0.900	50.80	2.000	227.30	8.950
A-PV10	10,000	6	12.70	0.800	36.50	1.437	12.70	0.500	22.90	0.900	38.10	1.500	160.00	6.300
O-PV10	10,000	8	25.40	1.000	36.50	1.437	12.70	0.500	25.40	1.000	38.10	1.500	228.60	9.000
R-PV5	5,000	8	25.40	1.000	57.20	2.250	19.10	0.750	25.40	1.000	63.50	2.500	228.60	9.000
T-PV2.5	2,500	8	25.40	1.000	95.30	3.750	25.40	1.000	25.40	1.000	101.60	4.000	228.60	9.000
W1-PV1	1,000	8	25.40	1.000	150.90	5.940	38.10	1.500	25.40	1.000	152.40	6.000	228.60	9.000
D1-PV1	1,000	7	25.40	1.000	188.90	7.437	38.10	1.500	27.90	1.100	190.50	7.500	218.40	8.600
C1-PV2.5	2,500	3	48.30	1.900	81.00	3.190	19.10	0.750	50.80	2.000	88.90	3.500	175.30	6.900
P-PV5	5,000	4	50.80	2.000	36.50	1.437	12.70	0.500	50.80	2.000	38.10	1.500	228.60	9.000
S-PV2.5	2,500	4	50.80	2.000	57.20	2.250	19.10	0.750	50.80	2.000	63.50	2.500	228.60	9.000
U-PV2.5	2,500	4	50.80	2.000	95.30	3.750	25.40	1.000	50.80	2.000	101.60	4.000	228.60	9.000
W2-PV1	1,000	3	50.80	2.000	150.90	5.940	38.10	1.500	53.30	2.100	152.40	6.000	182.90	7.200
D3-PV1	1,000	3	50.80	2.000	188.90	7.437	38.10	1.500	55.90	2.200	190.50	7.500	188.00	7.400

LSR

*Laser printable
self-laminating labels*

Tyco LSR is a laser printable, clear polyester film with a permanent acrylic adhesive, supplied with a white printable area, which is over-laminated upon application with the clear portion of the label. This 'self-laminating' feature protects the printed area from exposure to oil, solvents, water and abrasion with good conformability to round surfaces. LSR is ideal for wire and cable marking including flat ribbon cable. The low-profile design makes LSR suitable for wrapping onto thin wire gauges.

Features and benefits

- Manufactured with a white coated area for printing or writing on, and with a clear wrap to wind around a wire or cable over the printed surface to seal out impurities that would cause the label to become illegible.
- Protects printed information from chemicals and frequent handling.
- Designed to withstand exposure to oil, solvents, and water.
- Can also be flagged around a wire rather than wrapped.



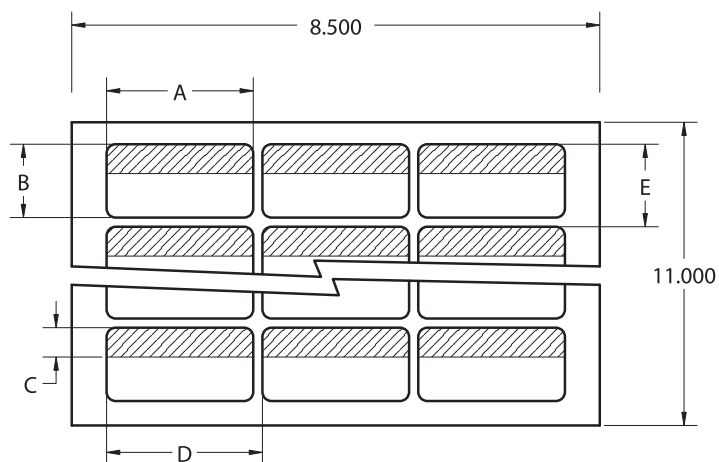
Temperature rating

Operating temperature range	-40°C to +150°C	-40°F to +302°F
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Printer information

Standard laser printer with auto/manual sheet feed.
Contact Tyco Electronics Identification for more information.

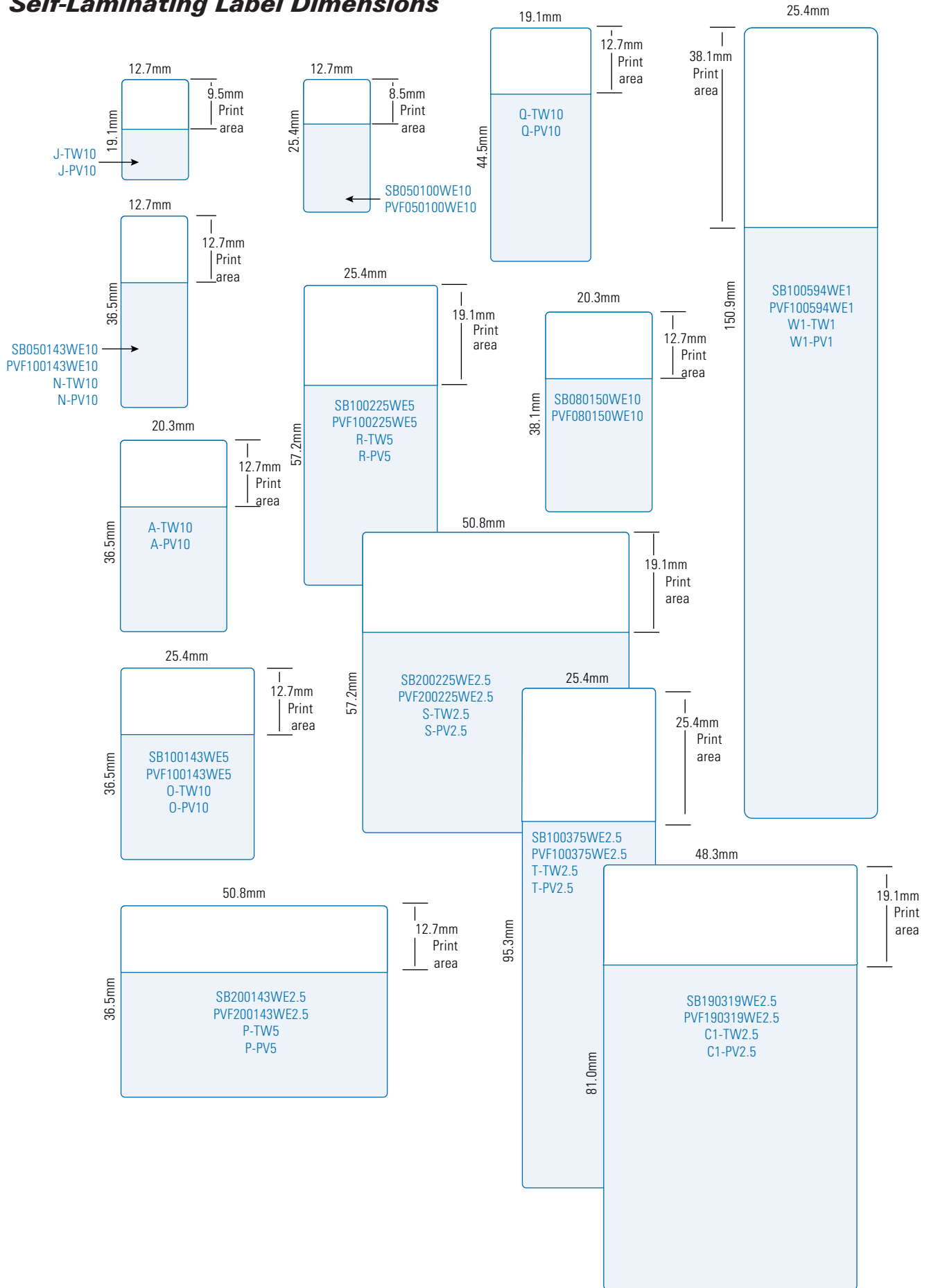
Ordering information

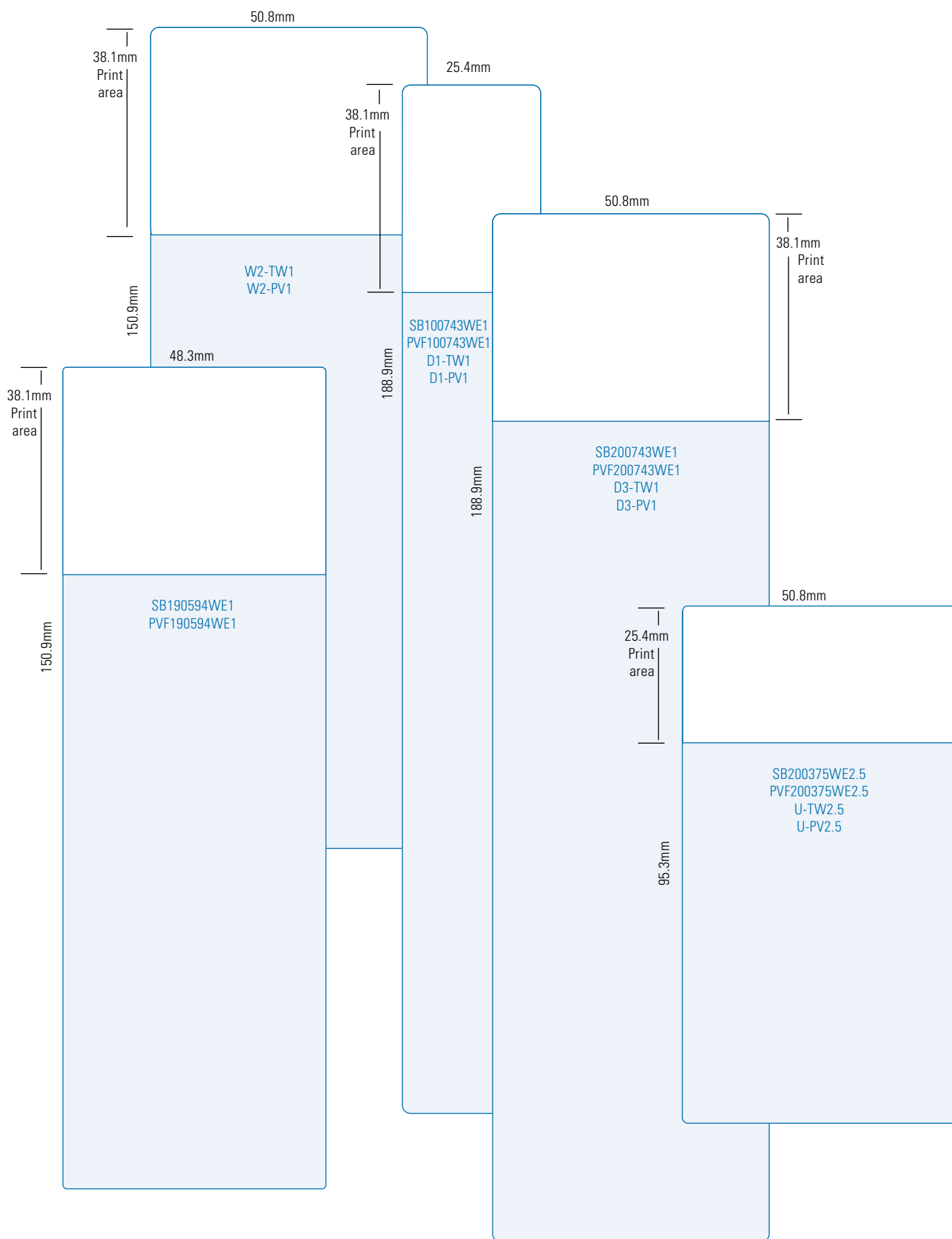


Available sizes and formats

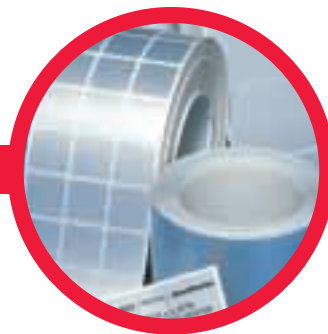
Ordering description	Package quantity	Labels across	Labels per sheet	(A) Label width		(B) Label height		(C) Printable height		(D) Horizontal repeat		(E) Vertical repeat	
				mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
CR-100-LSR	4,992	13	156	12.70	0.500	19.10	0.750	9.40	0.370	15.20	0.600	20.60	0.810
CR-101-LSR	4,992	13	78	12.70	0.500	38.10	1.500	12.70	0.500	15.20	0.600	40.60	1.600
CR-105-LSR	5,040	7	84	25.40	1.000	19.10	0.750	8.60	0.340	27.90	1.100	20.60	0.810
CR-106-LSR	2,520	7	63	25.40	1.000	25.40	1.000	8.60	0.340	27.90	1.100	27.90	1.100
CR-107-LSR	2,499	7	49	25.40	1.000	33.80	1.330	12.70	0.500	27.90	1.100	36.60	1.440
CR-108-LSR	1,008	7	21	25.40	1.000	80.50	3.170	24.60	0.970	27.90	1.100	84.10	3.310
CR-110-LSR	1,008	4	12	47.80	1.880	80.50	3.170	24.60	0.970	50.80	2.000	83.30	3.280

Self-Laminating Label Dimensions





THERMAL TRANSFER



WP White Polyester	.58	T1K Kapton®	.76
CP Clear Polyester	.60	T2K Kapton®	.76
HW HighTack White Polyester	.62	TAK Kapton®	.76
HM High Tack Metalised Polyester ..	.64	TSK Kapton®	.76
MP Metalised Polyester	.66	T2Y Modified Polyimide	.76
MV Metalised Void Polyester	.68	PVF Tedlar®	.82
TN Destructible Polyethylene	.70	EP Paper	.84
WV White Vinyl	.72		
NC Nylon Cloth	.74		

DOT MATRIX



C Vinyl Cloth	.86
M Metalised Polyester	.88
K Kapton®	.90
E Polyester	.92

LASER



LE Polyester	.94
LM Metalised Polyester	.94
LEB2 Polyester	.94

Label format-Product order code / Cross reference

Thermal transfer

Old label format	New product order code	Old label format	New product order code
100	TTP400XX-10	138	XX-080080-10-#
101	XX-381064-10-#	139	XX-178095-10-#
102	XX-381191-5-#	201	XX-381064-10-#
103	XX-699254-5-#	205	XX-191064-10-#
104	XX-762508-2.5-#	214	XX-508127-10-#
105	XX-191064-10-#	230	XX-203127-10-#
106	XX-101165-8.5-#	901	XX-127032-10-#
107	XX-254127-10-#	902	XX-040033-10-#
108	XX-064064-25-#	903	XX-254045-10-#
109	XX-165051-25-#	904	XX-089047-10-#
110	XX-254097-10-#	905	XX-305047-10-#
111	XX-318064-10-#	906	XX-445064-10-#
112	XX-508064-10-#	907	XX-254064-10-#
114	XX-508127-10-#	908	XX-095080-25-#
115	XX-254254-10-#	909	XX-208086-5-#
116	XX-095095-10-#	911	XX-508095-5-#
117	XX-508318-2.5-#	912	XX-318097-10-#
118	XX-762381-2.5-#	913	XX-165102-10-#
119	XX-101635-2.5-#	914	XX-445102-5-#
121	XX-523841-1.5-#	916	XX-127127-10-#
122	XX-127111-10-#	917	XX-381127-5-#
123	XX-508254-5-#	918	XX-222159-15-#
124	XX-508508-3-#	919	XX-171171-10-#
125	XX-101508-2.5-#	920	XX-478175-5-#
126	XX-101762-1.8-#	921	XX-699191-5-#
127	XX-101101-1.3-#	922	XX-406254-1.5-#
128	XX-762127-1-#	923	XX-250381-10-#
129	XX-229064-10-#	924	XX-381381-2.5-#
130	XX-203127-10-#	925	XX-610419-2.5-#
132	XX-381020-10-#	926	XX-445445-2-#
134	XX-165051-25-#	927	XX-381635-5-#
136	XX-040040-25-#	928	XX-191762-5-#
137	XX-114040-25-#		

XX = Insert material code from table below. # = Insert colour code from table below right.

Examples	Old part number	New part number
Thermal transfer	101-T1K-10	T1K-381064-10-9
Dot matrix	3-EW10F	E-191064-10-9

Dot matrix

Old label format	New product order code
1	X-165051-10-#
3	X-191064-10-#
4	X-203127-10-#
5	X-254095-10-#
6A	X-508095-5-#
7	X-254127-10-#
8	X-381191-10-#
11	X-699254-2.5-#
12	X-920381-2.5-#
13	X-920254-2.5-#
16	X-203365-10-#
17	X-076191-10-#
B2	X-533064-5-#
B4	X-229064-10-#
B6	X-394064-10-#
E	X-203064-10-#
L1	X-080080-10-#
L2	X-064064-10-#
L3	X-095095-10-#
R1	X-508254-4-#
R2	X-673254-3-#
R3	X-508318-3-#
R4	X-673349-3-#
R5	X-762508-1-#
R7	X-165101-1-#
V1	X-127111-10-#
Y3	X-215055-10-#
Y5	X-115064-10-#
Y6	X-154064-10-#
Y7	X-293064-10-#
Y8	X-711064-5-#
Y9	X-121064-10-#
Y10	X-102070-10-#
Y12	X-159079-10-#
Y13	X-533114-5-#
Y14	X-572286-2.5-#
Y15	X-699318-2.5-#

X = Insert material code from table below left.
= Insert colour code from table below.

Material codes – thermal transfer labels

CP = Clear polyester	T1K = White Kapton® 1 mm
EP = Paper	T2K = White Kapton® 2 mm
HM = High tack metalised polyester	T2Y = Modified polyimide
HW = High tack white polyester	TAK = Amber Kapton® 2 mm
MP = Metalised polyester	TN = Tamper-proof polyethylene
MV = Tamper-evident metalised polyester	TSK = White Kapton® 2 mm anti-static
NC = Nylon cloth	WP = White polyester
PVF = Tedlar®	WV = White vinyl

Material codes – dot matrix labels

C = Vinyl cloth	K = Oyster Kapton®
E = White polyester	M = Metalised polyester

Colour codes

0 = Black	7 = Violet
1 = Brown	8 = Gray
2 = Red	9 = White
3 = Orange	X = Clear
4 = Yellow	2L = Pink
5 = Green	3A = Amber
6 = Blue	8A = Silver

WP

White polyester labels

Tyco WP is a thermal transfer printable white polyester film with a permanent acrylic adhesive. It is ideal for bar coding, PCB and component labeling, as well as general purpose labeling 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 CSA Certified, and print performance and durability are guaranteed when used with Tyco's RHD series ribbon.



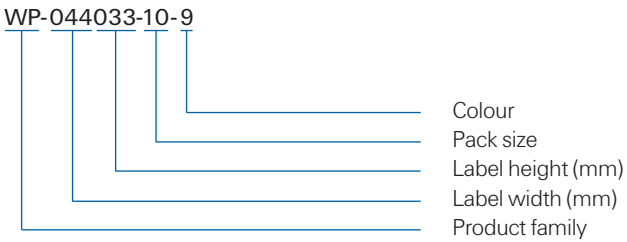
Features and benefits

- Thermal transfer printable.
- Excellent for use in PCB component labeling.
- Ink receptive topcoat.
- Excellent for bar code applications.
- UL Listed and CSA Certified.

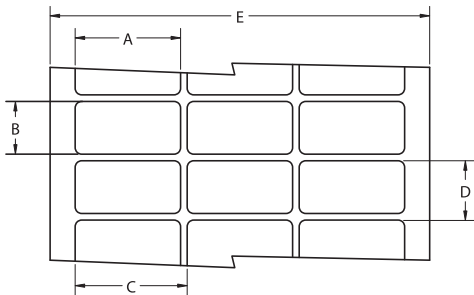


Adhesive	Permanent acrylic	
Service temperature	-40°C to +150°C	-40°F to +302°F
Recommended printer	T308S*	
Recommended ribbon	1330-0607-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		

Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
WP-040040-25-9	25,000	20	4.0 0.157	4.0 0.157	4.0 0.157	7.2 0.281	86.0 3.380
WP-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.638
WP-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
WP-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
WP-089047-10-9	10,000	5	8.9 0.350	4.7 0.185	11.4 0.450	7.9 0.313	60.6 2.386
WP-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
WP-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
WP-114040-25-9	25,000	6	11.4 0.450	4.0 0.157	11.4 0.450	7.2 0.281	74.6 2.940
WP-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736

(continued)

Product dimensions (continued)

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
WP-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
WP-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
WP-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
WP-165102-10-9	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
WP-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
WP-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
WP-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
WP-191114-15-9	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
WP-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
WP-203127-10-9	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
WP-208086-5-9	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
WP-222159-15-9	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
WP-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
WP-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
WP-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
WP-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
WP-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
WP-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
WP-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
WP-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
WP-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
WP-318097-10-9	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
WP-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
WP-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.380	44.5 1.750
WP-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.740	15.9 0.630	88.2 3.470
WP-381191-5-9	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.880	87.6 3.450
WP-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.610	88.9 3.500
WP-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.630	84.7 3.340
WP-406254-1.5-9	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
WP-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
WP-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
WP-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
WP-478175-5-9	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
WP-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
WP-508095-5-9	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
WP-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
WP-508254-5-9	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
WP-508318-2.5-9	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
WP-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
WP-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
WP-610419-2.5-9	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
WP-699191-5-9	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
WP-699254-5-9	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
WP-762381-2.5-9	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
WP-762508-2.5-9	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
WP-762127-1-9	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
WP-101508-2.5-9	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
WP-101635-2.5-9	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
WP-101762-1.8-9	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
WP-101101-1.3-9	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
WP-101165-85-9	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

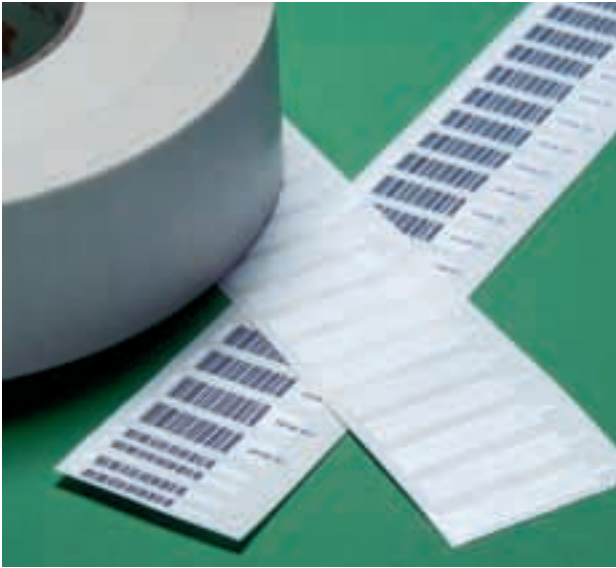
CP

Clear polyester labels

Tyco CP is a thermal transfer printable clear polyester film with a permanent acrylic adhesive, designed for rating plates, nameplates, equipment labels, detailed product information labels and serial number plates. CP is ideal for general labeling applications that require a high durability transparent label, and is also used as an over-laminate to further protect labels from chemicals, solvents, abrasion, heat, moisture and UV exposure. For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

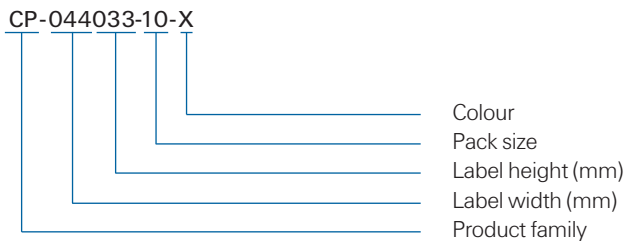
Features and benefits

- Thermal transfer printable.
- Ideal for general labeling applications.
- Ideal for applications where either a clear label or laminate is required.

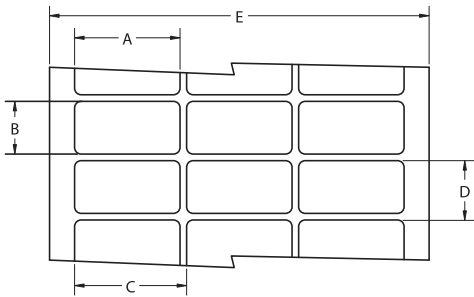


Adhesive	Permanent acrylic
Service temperature	−40°C to +150°C −40°F to +302°F
Recommended printer	T308S*
Recommended ribbon	1330-0607-10*
*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.	

Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
CP-040040-25-X	25,000	20	4.0 0.157	4.0 0.157	4.0 0.157	7.2 0.281	86.0 3.380
CP-044033-10-X	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
CP-064064-25-X	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
CP-080080-10-X	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
CP-089047-10-X	10,000	5	8.9 0.350	4.7 0.185	11.4 0.450	7.9 0.313	60.6 2.386
CP-095080-25-X	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
CP-095095-10-X	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
CP-114040-25-X	25,000	6	11.4 0.450	4.0 0.157	11.4 0.450	7.2 0.281	74.6 2.940
CP-127032-10-X	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736

(continued)

Product dimensions (continued)

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
CP-127111-10-X	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
CP-127127-10-X	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
CP-165051-25-X	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
CP-165102-10-X	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
CP-171171-10-X	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
CP-178095-10-X	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
CP-191064-10-X	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
CP-191114-15-X	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
CP-191762-5-X	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
CP-203127-10-X	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
CP-208086-5-X	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
CP-222159-15-X	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
CP-229064-10-X	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
CP-250381-10-X	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
CP-254045-10-X	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
CP-254064-10-X	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
CP-254097-10-X	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
CP-254127-10-X	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
CP-254254-10-X	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
CP-305047-10-X	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
CP-318064-10-X	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
CP-318097-10-X	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
CP-381020-10-X	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
CP-381064-10-X	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
CP-381127-5-X	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
CP-381191-5-X	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
CP-381381-2.5-X	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
CP-381635-5-X	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
CP-406254-1.5-X	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
CP-445064-10-X	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
CP-445102-5-X	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
CP-445445-2-X	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
CP-478175-5-X	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
CP-508064-10-X	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
CP-508095-5-X	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
CP-508127-10-X	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
CP-508254-5-X	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
CP-508318-2.5-X	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
CP-508508-3-X	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
CP-523841-1.5-X	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
CP-610419-2.5-X	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
CP-699191-5-X	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
CP-699254-5-X	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
CP-762381-2.5-X	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
CP-762508-2.5-X	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
CP-762127-1-X	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
CP-101508-2.5-X	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
CP-101635-2.5-X	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
CP-101762-1.8-X	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
CP-101101-1.3-X	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
CP-101165-85-X	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

HW

High tack white polyester labels

Tyco HW is a thermal transfer printable white polyester film with a high tack permanent acrylic adhesive. Designed for application to rough surfaces or where increased adhesion is required, HW is also excellent for bar-coding, electronic PCB, component and general labeling applications. The high tack adhesion of HW will bond to the most demanding surfaces, including textured and contoured surfaces. For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

Features and benefits

- Thermal transfer printable.
- Aggressive adhesive for textured and powdered surfaces.
- UL Listed and CSA Certified.



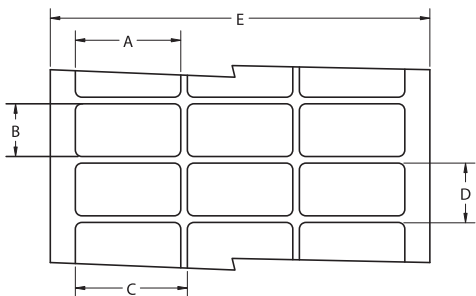
Adhesive	Permanent acrylic	
Service temperature	-40°C to +150°C	-40°F to +302°F
Recommended printer	T308S*	
Recommended ribbon	1330-0607-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		



Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A)		Label height (B)		Horizontal repeat (C)		Vertical repeat (D)		Web width (E)	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
HW-040040-25-9	25,000	20	4.0	0.157	4.0	0.157	4.0	0.157	7.2	0.281	86.0	3.380
HW-044033-10-9	10,000	20	4.4	0.170	3.3	0.130	4.4	0.170	9.5	0.375	92.4	3.636
HW-064064-25-9	25,000	12	6.4	0.250	6.4	0.250	6.4	0.250	9.5	0.375	82.2	3.240
HW-080080-10-9	10,000	8	8.0	0.315	8.0	0.315	9.9	0.390	13.3	0.525	83.3	3.280
HW-089047-10-9	10,000	5	8.9	0.350	4.7	0.186	11.4	0.450	7.9	0.313	60.6	2.386
HW-095080-25-9	25,000	5	9.5	0.375	8.0	0.315	12.2	0.480	12.7	0.500	64.3	2.531
HW-095095-10-9	10,000	7	9.5	0.375	9.5	0.375	11.1	0.437	12.7	0.500	82.1	3.230
HW-114040-25-9	25,000	6	11.4	0.450	4.0	0.157	11.4	0.450	7.2	0.281	74.6	2.940
HW-127032-10-9	10,000	5	12.7	0.500	3.2	0.125	19.1	0.750	3.2	0.250	94.9	3.736

(continued)

Product dimensions (continued)

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
HW-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
HW-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
HW-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
HW-165102-10-9	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
HW-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
HW-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
HW-191064-10-9	10,000	4	19.1 0.750	06.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
HW-191114-15-9	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
HW-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.688
HW-203127-10-9	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
HW-208086-5-9	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
HW-222159-15-9	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
HW-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
HW-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
HW-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
HW-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
HW-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
HW-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
HW-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
HW-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
HW-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
HW-318097-10-9	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
HW-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
HW-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
HW-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
HW-381191-5-9	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
HW-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
HW-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.338
HW-406254-1.5-9	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
HW-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
HW-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
HW-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
HW-478175-5-9	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
HW-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
HW-508095-5-9	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
HW-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
HW-508254-5-9	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
HW-508318-2.5-9	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
HW-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
HW-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
HW-610419-2.5-9	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
HW-699191-5-9	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
HW-699254-5-9	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
HW-762381-2.5-9	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
HW-762508-2.5-9	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
HW-762127-1-9	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
HW-101508-2.5-9	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
HW-101635-2.5-9	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
HW-101762-1.8-9	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
HW-101101-1.3-9	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
HW-101165-85-9	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

HM

High tack metalised polyester labels

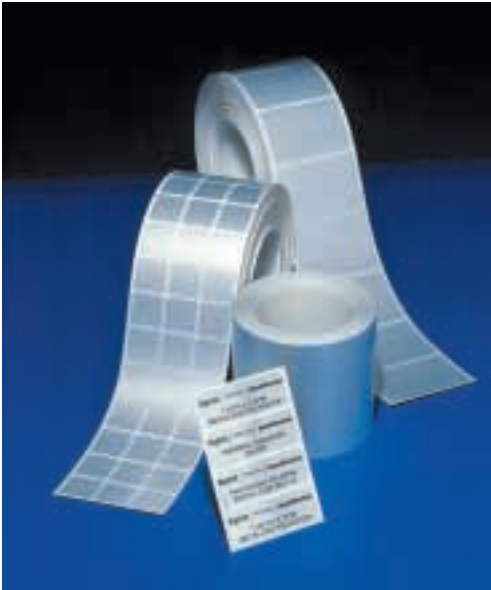
Tyco HM is a thermal transfer printable metalised polyester film with a high tack permanent acrylic adhesive, designed for application to rough surfaces or where increased adhesion is required, and applications that require a metal look such as rating plates. The high tack adhesion of HM will bond to the most demanding surfaces, including textured and contoured surfaces. For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

Features and benefits

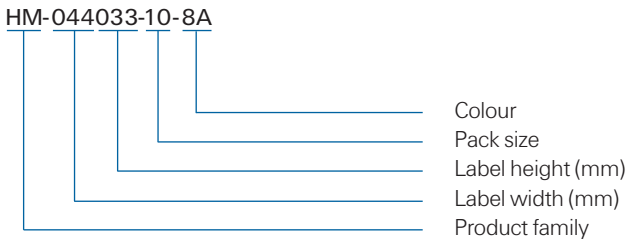
- Thermal transfer printable.
- Aggressive adhesive which permanently bonds to both high and low surface energy plastics.
- UL Listed and CSA Certified.



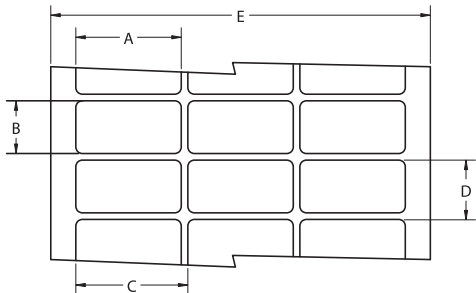
Adhesive	Permanent acrylic	
Service temperature	-40°C to +150°C	-40°F to +302°F
Recommended printer	T308S*	
Recommended ribbon	1330-0607-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		



Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A)		Label height (B)		Horizontal repeat (C)		Vertical repeat (D)		Web width (E)	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
HM-040040-25-8A	25,000	20	4.0	0.157	4.0	0.157	4.0	0.157	7.2	0.281	86.0	3.380
HM-044033-10-8A	10,000	20	4.4	0.170	3.3	0.130	4.4	0.170	9.5	0.375	92.4	3.636
HM-064064-25-8A	25,000	12	6.4	0.250	6.4	0.250	6.4	0.250	9.5	0.375	82.2	3.240
HM-080080-10-8A	10,000	8	8.0	0.315	8.0	0.315	9.9	0.390	13.3	0.525	83.3	3.280
HM-089047-10-8A	10,000	5	8.9	0.350	4.7	0.185	11.4	0.450	7.9	0.313	60.6	2.386
HM-095080-25-8A	25,000	5	9.5	0.375	8.0	0.315	12.2	0.480	12.7	0.500	64.3	2.531
HM-095095-10-8A	10,000	7	9.5	0.375	9.5	0.375	11.1	0.437	12.7	0.500	82.1	3.230
HM-114040-25-8A	25,000	6	11.4	0.450	4.0	0.157	11.4	0.450	7.2	0.281	74.6	2.940
HM-127032-10-8A	10,000	5	12.7	0.500	3.2	0.125	19.1	0.750	3.2	0.250	94.9	3.736

(continued)

Product dimensions (continued)

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
HM-127111-10-8A	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
HM-127127-10-8A	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
HM-165051-25-8A	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
HM-165102-10-8A	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
HM-171171-10-8A	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
HM-178095-10-8A	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
HM-191064-10-8A	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
HM-191114-15-8A	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
HM-191762-5-8A	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
HM-203127-10-8A	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
HM-208086-5-8A	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
HM-222159-15-8A	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
HM-229064-10-8A	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
HM-250381-10-8A	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
HM-254045-10-8A	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
HM-254064-10-8A	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
HM-254097-10-8A	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
HM-254127-10-8A	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
HM-254254-10-8A	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
HM-305047-10-8A	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
HM-318064-10-8A	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
HM-318097-10-8A	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
HM-381020-10-8A	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
HM-381064-10-8A	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
HM-381127-5-8A	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
HM-381191-5-8A	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
HM-381381-2.5-8A	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
HM-381635-5-8A	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
HM-406254-1.5-8A	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
HM-445064-10-8A	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
HM-445102-5-8A	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
HM-445445-2-8A	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
HM-478175-5-8A	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
HM-508064-10-8A	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
HM-508095-5-8A	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
HM-508127-10-8A	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
HM-508254-5-8A	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
HM-508318-2.5-8A	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
HM-508508-3-8A	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
HM-523841-1.5-8A	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
HM-610419-2.5-8A	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
HM-699191-5-8A	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
HM-699254-5-8A	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
HM-762381-2.5-8A	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
HM-762508-2.5-8A	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
HM-762127-1-8A	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
HM-101508-2.5-8A	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
HM-101635-2.5-8A	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
HM-101762-1.8-8A	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
HM-101101-1.3-8A	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
HM-101165-85-8A	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

MP

Metalised polyester labels

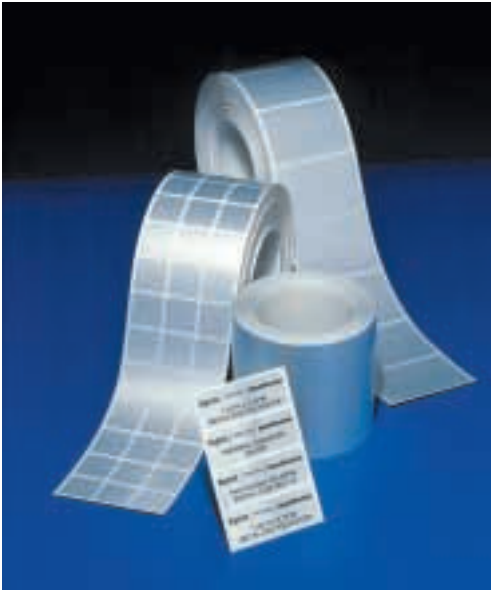
Tyco MP is a thermal transfer printable metalised polyester film with a permanent acrylic adhesive, designed for rating plates and other applications that require a metal look, such as nameplates, equipment labels, detailed product information labels and serial number plates. MP is UL Listed and CSA Certified. Print performance and durability are guaranteed when used with Tyco's RHD series ribbon.

Features and benefits

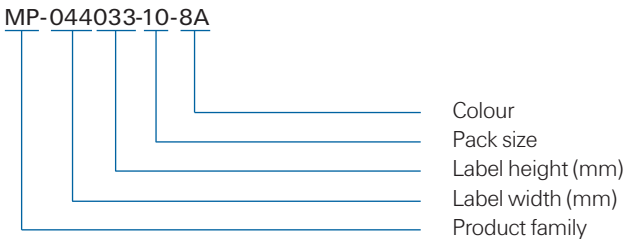
- Thermal transfer printable.
- Metalised appearance.
- Ideal for rating plate applications.
- Several die-cut sizes available.
- UL Listed and CSA Certified.



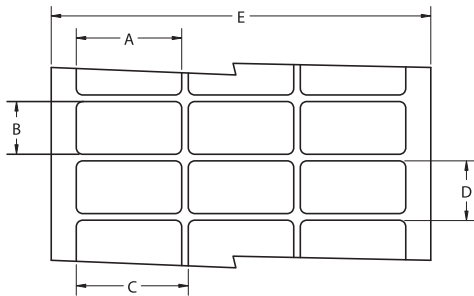
Adhesive	Permanent acrylic	
Service temperature	-40°C to +150°C	-40°F to +302°F
Recommended printer	T308S*	
Recommended ribbon	1330-0607-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		



Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
MP-040040-25-8A	25,000	20	4.0 0.157	4.0 0.160	4.0 0.157	7.2 0.281	86.0 3.380
MP-044033-10-8A	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
MP-064064-25-8A	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
MP-080080-10-8A	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
MP-089047-10-8A	10,000	5	8.9 0.350	4.7 0.185	11.4 0.450	7.9 0.313	60.6 2.386
MP-095080-25-8A	25,000	5	9.5 0.375	8.0 0.315	12.2 0.475	12.7 0.500	64.3 2.531
MP-095095-10-8A	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
MP-114040-25-8A	25,000	6	11.4 0.450	4.0 0.157	11.4 0.450	7.2 0.281	74.6 2.940
MP-127032-10-8A	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736

(continued)

Product dimensions (continued)

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
MP-127111-10-8A	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
MP-127127-10-8A	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
MP-165051-25-8A	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
MP-165102-10-8A	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
MP-171171-10-8A	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
MP-178095-10-8A	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
MP-191064-10-8A	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
MP-191114-15-8A	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
MP-191762-5-8A	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
MP-203127-10-8A	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
MP-208086-5-8A	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
MP-222159-15-8A	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
MP-229064-10-8A	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
MP-250381-10-8A	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
MP-254045-10-8A	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
MP-254064-10-8A	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
MP-254097-10-8A	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
MP-254127-10-8A	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
MP-254254-10-8A	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
MP-305047-10-8A	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
MP-318064-10-8A	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
MP-318097-10-8A	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
MP-381020-10-8A	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
MP-381064-10-8A	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
MP-381127-5-8A	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
MP-381191-5-8A	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
MP-381381-2.5-8A	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
MP-381635-5-8A	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
MP-406254-1.5-8A	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
MP-445064-10-8A	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
MP-445102-5-8A	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
MP-445445-2-8A	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
MP-478175-5-8A	5,000	1	47.8 1.875	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
MP-508064-10-8A	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
MP-508095-5-8A	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
MP-508127-10-8A	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
MP-508254-5-8A	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
MP-508318-2.5-8A	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
MP-508508-3-8A	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
MP-523841-1.5-8A	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
MP-610419-2.5-8A	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
MP-699191-5-8A	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
MP-699254-5-8A	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
MP-762381-2.5-8A	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
MP-762508-2.5-8A	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
MP-762127-1-8A	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
MP-101508-2.5-8A	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
MP-101635-2.5-8A	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
MP-101762-1.8-8A	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
MP-101101-1.3-8A	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
MP-101165-85-8A	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

MV

Tamper-evident metalised polyester labels

Tyco 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. For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

Features and benefits

- Thermal transfer printable.
- Metalised appearance.
- Ideal for security applications.
- UL Recognized.



Adhesive	Permanent acrylic	
Service temperature	-40°C to +150°C	-40°F to +302°F
Recommended printer	T308S*	
Recommended ribbon	1330-0607-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		

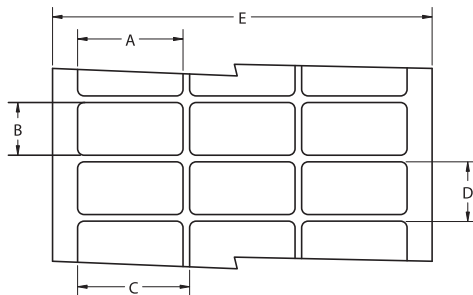


Part numbering system

MV-044033-10-8A



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
MV-040040-25-8A	25,000	20	4.0 0.157	4.0 0.157	4.0 0.157	7.2 0.281	86.0 3.380
MV-044033-10-8A	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
MV-064064-25-8A	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
MV-080080-10-8A	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
MV-089047-10-8A	10,000	5	8.9 0.350	4.7 0.185	11.4 0.450	7.9 0.313	60.6 2.386
MV-095080-25-8A	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
MV-095095-10-8A	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
MV-114040-25-8A	25,000	6	11.4 0.450	4.0 0.157	11.4 0.450	7.2 0.281	74.6 2.940
MV-127032-10-8A	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736

(continued)

Product dimensions (continued)

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
MV-127111-10-8A	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
MV-127127-10-8A	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
MV-165051-25-8A	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
MV-165102-10-8A	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
MV-171171-10-8A	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
MV-178095-10-8A	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
MV-191064-10-8A	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
MV-191114-15-8A	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
MV-191762-5-8A	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
MV-203127-10-8A	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
MV-208086-5-8A	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
MV-222159-15-8A	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
MV-229064-10-8A	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
MV-250381-10-8A	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
MV-254045-10-8A	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
MV-254064-10-8A	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
MV-254097-10-8A	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
MV-254127-10-8A	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
MV-254254-10-8A	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
MV-305047-10-8A	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
MV-318064-10-8A	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
MV-318097-10-8A	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.486
MV-381020-10-8A	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
MV-381064-10-8A	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
MV-381127-5-8A	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
MV-381191-5-8A	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
MV-381381-2.5-8A	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
MV-381635-5-8A	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
MV-406254-1.5-8A	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
MV-445064-10-8A	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
MV-445102-5-8A	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
MV-445445-2-8A	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
MV-478175-5-8A	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
MV-508064-10-8A	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
MV-508095-5-8A	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
MV-508127-10-8A	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
MV-508254-5-8A	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
MV-508318-2.5-8A	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
MV-508508-3-8A	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
MV-523841-1.5-8A	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
MV-610419-2.5-8A	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
MV-699191-5-8A	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
MV-699254-5-8A	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
MV-762381-2.5-8A	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
MV-762508-2.5-8A	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
MV-762127-1-8A	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
MV-101508-2.5-8A	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
MV-101635-2.5-8A	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
MV-101762-1.8-8A	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
MV-101101-1.3-8A	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
MV-101165-85-8A	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

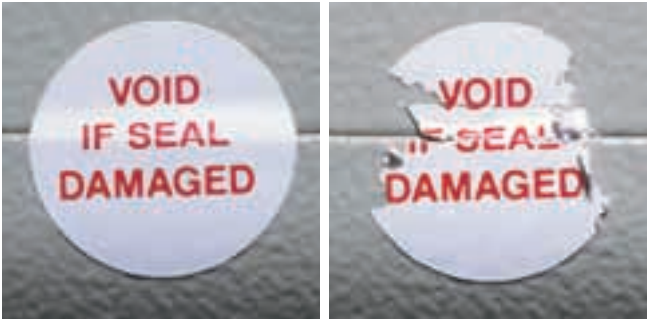
TN

Tamper proof destructible polyethylene labels

Tyco TN is a thermal transfer printable, tamper proof destructible polyethylene label with a permanent acrylic adhesive, designed to fracture upon removal after 72 hours. It is ideal for serial number labels and calibration information labeling, or other applications that require a tamper proof label. For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

Features and benefits

- Thermal transfer printable.
- Ideal for security applications.
- Several die-cut sizes available.

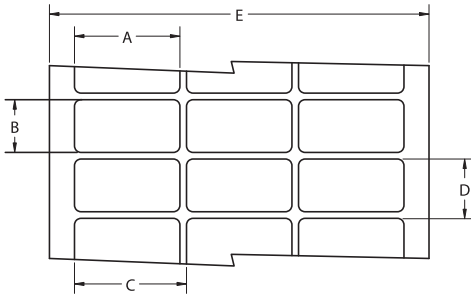


Adhesive	Permanent rubber-based	
Service temperature	-40°C to +80°C	-40°F to +176°F
Recommended printer	T308S*	
Recommended ribbon	1330-0607-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		

Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
TN-040040-25-9	25,000	20	4.0 0.157	4.0 0.157	4.0 0.157	7.2 0.281	86.0 3.380
TN-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
TN-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
TN-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
TN-089047-10-9	10,000	5	8.9 0.350	4.7 0.185	11.4 0.450	7.9 0.313	60.6 2.386
TN-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
TN-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
TN-114040-25-9	25,000	6	11.4 0.450	4.0 0.157	11.4 0.450	7.2 0.281	74.6 2.940
TN-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736

(continued)

Product dimensions (continued)

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
TN-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
TN-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
TN-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
TN-165102-10-9	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
TN-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
TN-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
TN-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
TN-191114-15-9	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
TN-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
TN-203127-10-9	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
TN-208086-5-9	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
TN-222159-15-9	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
TN-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
TN-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
TN-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
TN-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
TN-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
TN-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
TN-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
TN-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
TN-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
TN-318097-10-9	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
TN-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
TN-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
TN-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
TN-381191-5-9	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
TN-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
TN-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
TN-406254-1.5-9	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
TN-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
TN-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
TN-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
TN-478175-5-9	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
TN-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
TN-508095-5-9	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
TN-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
TN-508254-5-9	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
TN-508318-2.5-9	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
TN-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
TN-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
TN-610419-2.5-9	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
TN-699191-5-9	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
TN-699254-5-9	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
TN-762381-2.5-9	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
TN-762508-2.5-9	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
TN-762127-1-9	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
TN-101508-2.5-9	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
TN-101635-2.5-9	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
TN-101762-1.8-9	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
TN-101101-1.3-9	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
TN-101165-85-9	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

WV

White vinyl labels

Tyco WV is a thermal transfer printable, flexible white vinyl film with a permanent acrylic adhesive. It offers excellent conformability to round, irregular or flexible surfaces, and is ideal for wire and cable identification, including flat ribbon cables that are subject to repeated bending. The low profile design and flexibility makes WV suitable for wrapping onto thin wire gauges. WV is resistant to oil, mild solvents, water and outdoor exposure. For guaranteed print performance and durability use with Tyco's 3300 series ribbon.

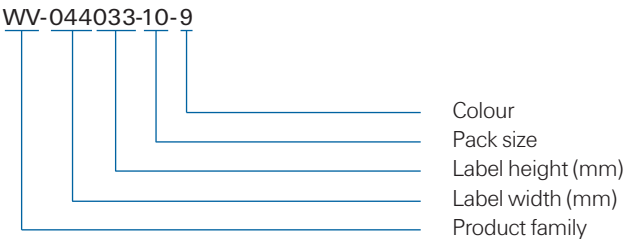
Features and benefits

- Thermal transfer printable.
- High tack adhesive bonds to most substrates including painted metal and low surface energy plastics such as polyethylene.
- UL Listed and CSA Certified.

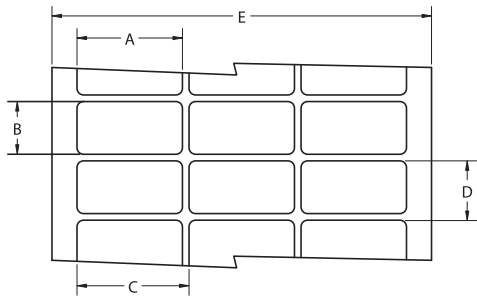


Adhesive	Permanent acrylic high initial tack	
Service temperature	-60°C to +95°C	-76°F to +203°F
Recommended printer	T308S*	
Recommended ribbon	1330-3300-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		

Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
WV-040040-25-9	25,000	20	4.0 0.157	4.0 0.157	4.0 0.157	7.2 0.281	86.0 3.380
WV-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
WV-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
WV-089047-10-9	10,000	5	8.9 0.350	4.7 0.185	11.4 0.450	7.9 0.313	60.6 2.386
WV-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
WV-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
WV-114040-25-9	25,000	6	11.4 0.450	4.0 0.157	11.4 0.450	7.2 0.281	74.6 2.940
WV-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736
WV-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380

(continued)

Product dimensions *(continued)*

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
WV-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
WV-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
WV-165102-10-9	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
WV-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
WV-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
WV-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
WV-191114-15-9	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
WV-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
WV-203127-10-9	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
WV-208086-5-9	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
WV-222159-15-9	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
WV-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
WV-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
WV-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
WV-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
WV-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
WV-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
WV-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
WV-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
WV-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
WV-318097-10-9	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
WV-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
WV-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
WV-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
WV-381191-5-9	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
WV-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
WV-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
WV-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
WV-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
WV-478175-5-9	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
WV-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
WV-508095-5-9	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
WV-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
WV-508254-5-9	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
WV-508318-2.5-9	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
WV-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
WV-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
WV-610419-2.5-9	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
WV-699191-5-9	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
WV-699254-5-9	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
WV-762381-2.5-9	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
WV-762508-2.5-9	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
WV-762127-1-9	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
WV-101508-2.5-9	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
WV-101635-2.5-9	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
WV-101762-1.8-9	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
WV-101101-1.3-9	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
WV-101165-85-9	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

NC

Nylon cloth labels

Tyco NC is a thermal transfer printable, flexible nylon cloth with a permanent acrylic adhesive, designed for application to irregular surfaces where conformability is required. It is ideal for wire marking and other round or flexible surfaces such as cables and tubing. NC is not recommended for outdoor use or immersion in liquid. For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

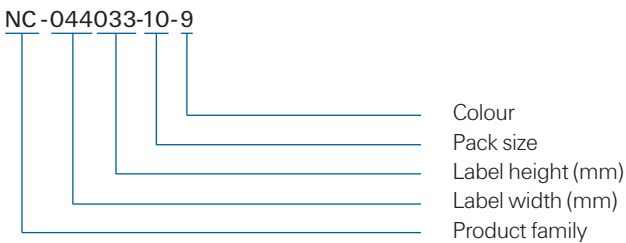
Features and benefits

- Thermal transfer printable.
- Surface coating applied to enhance ink receptivity.
- Flexible material conforms to curved surfaces.
- Several die-cut sizes available.

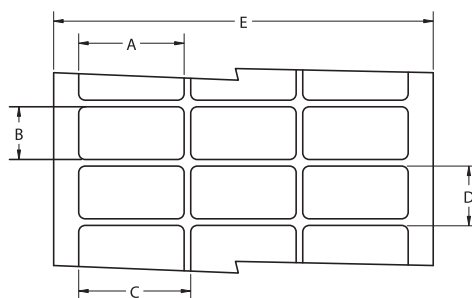


Adhesive	Permanent acrylic
Service temperature	−40°C to +140°C −40°F to +284°F
Recommended printer	T312M*
Recommended ribbon	1330-0607-10*
*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.	

Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
NC-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
NC-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
NC-076191-10-9	10,000	8	7.6 0.300	19.1 0.750	7.6 0.300	22.2 0.875	67.3 2.650
NC-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
NC-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
NC-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
NC-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736
NC-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
NC-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
NC-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.70	8.3 0.325	75.8 2.990
NC-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
NC-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
NC-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
NC-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
NC-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
NC-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
NC-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
NC-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
NC-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
NC-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
NC-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
NC-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
NC-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
NC-381064-10-S1-9	10,000	1*	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
NC-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
NC-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
NC-381381-2-5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
NC-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
NC-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
NC-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
NC-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
NC-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
NC-508095-5-9	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
NC-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
NC-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
NC-523841-1-5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290

*Perforated

Kapton® labels

Tyco Polyimide (Kapton®) labels are all ideal for high temperature labeling requirements such as printed circuit boards. They are suitable for direct wave (bottom side) and IR reflow (top side) PCB applications. Tyco Polyimide (Kapton®) labels are designed to withstand the fluxes, cleaning solvents and molten solder encountered in the manufacture of printed circuit boards. They offer excellent contrast for bar code applications. Tyco Polyimide (Kapton®) labels are suitable for the harshest high temperature applications. For guaranteed print performance and durability, use with Tyco's RHT-45 series ribbon.

Features and benefits

- Thermal transfer printable.
- High temperature permanent acrylic adhesive.

T1K

- Gloss white topcoat.
- Withstands surface mount board processes on either the top or bottom side of the board.
- Low profile 1 mm film offers polyimide thermal performance at competitive cost.
- Ideal for manual apply applications.

T2K

- Gloss white topcoat.
- Withstands surface mount board processes on either the top or bottom side of the board.
- Ideal for auto apply applications.

TAK

- Gloss amber topcoat, for use where amber colour is preferred.
- Withstands surface mount board processes on either the top or bottom side of the board.
- Ideal for auto apply applications.

TSK

- High opacity gloss white topcoat.
- Withstands surface mount board processes on either the top or bottom side of the board.
- Deemed to be a static safe product in accordance with EIA 625, EIA 541. Test methods employed were in accordance with EOS/ESD S11.11.
- Ideal for auto apply applications.



T2Y

- High opacity gloss white topcoat.
- Economic alternative to T1K material.
- Withstands surface mount board processes on either the top or bottom side of the board — can also be used on the top side of the board in mixed processes, *but it is not recommended for the bottom side which is directly exposed to the wave solder environment.*



Adhesive

Permanent acrylic

Service temperature

T1K,	-40°C to +427°C	-40°F to +800°F
T2K, TAK, TSK*	-40°C to +538°C	-40°F to +1000°F
T2Y	-40°C to +316°C	-40°F to +600°F

Recommended printer

T312M*

Recommended ribbon

1330-0619-10*

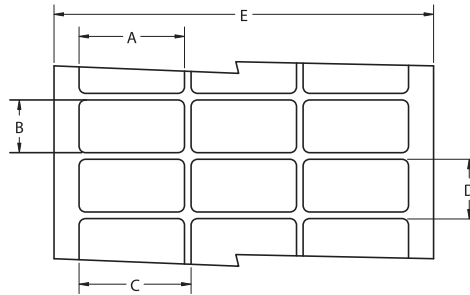
*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.

Part numbering system

T1K-044033-10-X



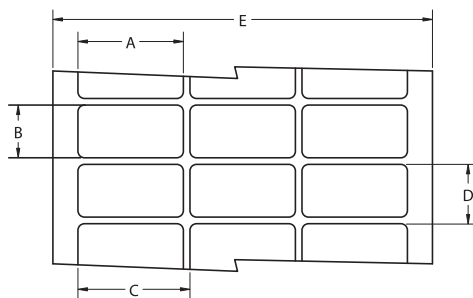
Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
T1K-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
T1K-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
T1K-076191-10-9	10,000	8	7.6 0.300	19.1 0.750	7.6 0.300	22.2 0.875	67.3 2.650
T1K-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
T1K-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
T1K-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
T1K-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736
T1K-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
T1K-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
T1K-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
T1K-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
T1K-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
T1K-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
T1K-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
T1K-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
T1K-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
T1K-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
T1K-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
T1K-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
T1K-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
T1K-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
T1K-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
T1K-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
T1K-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
T1K-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
T1K-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
T1K-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
T1K-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
T1K-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
T1K-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
T1K-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
T1K-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
T1K-508095-5-9	5,000	1	50.8 2.000	9.5 0.380	N/A N/A	12.7 0.500	57.2 2.250
T1K-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
T1K-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
T1K-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290

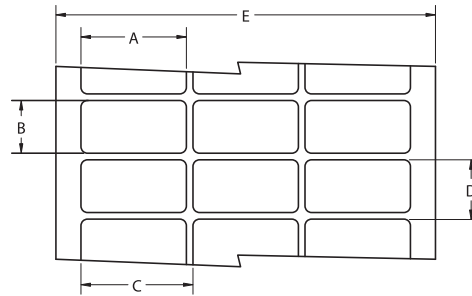
Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
T2K-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
T2K-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
T2K-076191-10-9	10,000	8	7.6 0.300	19.1 0.750	7.6 0.300	22.2 0.875	67.3 2.650
T2K-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
T2K-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
T2K-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
T2K-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736
T2K-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
T2K-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
T2K-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
T2K-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
T2K-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
T2K-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
T2K-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
T2K-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
T2K-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
T2K-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
T2K-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
T2K-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
T2K-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
T2K-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
T2K-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
T2K-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
T2K-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
T2K-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
T2K-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
T2K-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
T2K-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
T2K-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
T2K-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
T2K-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
T2K-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
T2K-508095-5-9	5,000	1	50.8 2.000	9.5 0.380	N/A N/A	12.7 0.500	57.2 2.250
T2K-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
T2K-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
T2K-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290

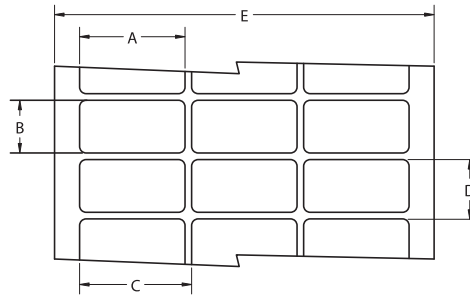
Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
TAK-044033-10-3A	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
TAK-064064-25-3A	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
TAK-076191-10-3A	10,000	8	7.6 0.300	19.1 0.750	7.6 0.300	22.2 0.875	67.3 2.650
TAK-080080-10-3A	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
TAK-095080-25-3A	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
TAK-095095-10-3A	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
TAK-127032-10-3A	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736
TAK-127111-10-3A	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
TAK-127127-10-3A	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
TAK-165051-25-3A	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
TAK-171171-10-3A	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
TAK-178095-10-3A	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
TAK-191064-10-3A	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
TAK-191762-5-3A	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
TAK-229064-10-3A	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
TAK-250381-10-3A	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
TAK-254045-10-3A	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
TAK-254064-10-3A	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
TAK-254097-10-3A	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
TAK-254127-10-3A	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
TAK-254254-10-3A	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
TAK-305047-10-3A	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
TAK-318064-10-3A	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
TAK-381020-10-3A	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
TAK-381064-10-3A	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
TAK-381127-5-3A	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
TAK-381381-2.5-3A	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
TAK-381635-5-3A	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
TAK-445064-10-3A	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
TAK-445102-5-3A	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
TAK-445445-2-3A	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
TAK-508064-10-3A	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
TAK-508095-5-3A	5,000	1	50.8 2.000	9.5 0.380	N/A N/A	12.7 0.500	57.2 2.250
TAK-508127-10-3A	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
TAK-508508-3-3A	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
TAK-523841-1.5-3A	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290

Ordering information



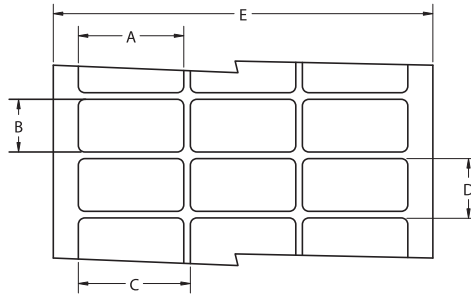
Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
TSK-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
TSK-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
TSK-076191-10-9	10,000	8	7.6 0.300	19.1 0.750	7.6 0.300	22.2 0.875	67.3 2.650
TSK-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
TSK-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
TSK-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
TSK-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736
TSK-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
TSK-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
TSK-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
TSK-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
TSK-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
TSK-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
TSK-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
TSK-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
TSK-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
TSK-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
TSK-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
TSK-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
TSK-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
TSK-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
TSK-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
TSK-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
TSK-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
TSK-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
TSK-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
TSK-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
TSK-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
TSK-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
TSK-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
TSK-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
TSK-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
TSK-508095-5-9	5,000	1	50.8 2.000	9.5 0.380	N/A N/A	12.7 0.500	57.2 2.250
TSK-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
TSK-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
TSK-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290

T2Y

White modified polyimide film labels

Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
T2Y-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
T2Y-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
T2Y-076191-10-9	10,000	8	7.6 0.300	19.1 0.750	7.6 0.300	22.2 0.875	67.3 2.650
T2Y-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
T2Y-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
T2Y-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
T2Y-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736
T2Y-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
T2Y-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
T2Y-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
T2Y-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
T2Y-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
T2Y-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
T2Y-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
T2Y-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
T2Y-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
T2Y-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
T2Y-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
T2Y-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
T2Y-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
T2Y-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
T2Y-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
T2Y-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
T2Y-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
T2Y-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
T2Y-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
T2Y-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
T2Y-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
T2Y-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
T2Y-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
T2Y-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
T2Y-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
T2Y-508095-5-9	5,000	1	50.8 2.000	9.5 0.380	N/A N/A	12.7 0.500	57.2 2.250
T2Y-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
T2Y-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
T2Y-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290

PVF

Polyvinylfluoride labels

Tyco PVF is a thermal transfer printable polyvinylfluoride (Tedlar®) film with a permanent acrylic adhesive, designed for wire and cable marking and other general labeling applications that require the “self-extinguishing” properties of Tedlar®. It is ideal in a variety of harsh physical and chemical environments; resists water, oil, cleaning agents and oil based solvents; and filters ultraviolet light. For guaranteed print performance and durability use with Tyco’s 3300 series ribbon.

Features and benefits

- Thermal transfer printable.
- Ideal for wire and cable marking.
- Self-extinguishing adhesive.
- Resistant to a variety of solvents.

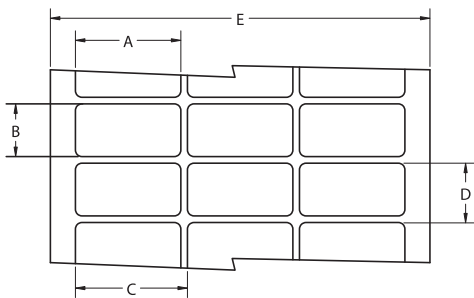


Adhesive	Permanent acrylic	
Service temperature	–40°C to +130°C	–40°F to +266°F
Recommended printer	T308S*	
Recommended ribbon	1330-3300-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		

Part numbering system



Ordering information



Product dimensions

Product order code*	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
PVF-040040-25-9	25,000	20	4.0 0.157	4.0 0.157	4.0 0.157	7.2 0.281	86.0 3.380
PVF-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
PVF-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
PVF-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
PVF-089047-10-9	10,000	5	8.9 0.350	4.7 0.185	11.4 0.450	7.9 0.313	60.6 2.386
PVF-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
PVF-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
PVF-114040-25-9	25,000	6	11.4 0.450	4.0 0.157	11.4 0.450	7.2 0.281	74.6 2.940
PVF-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736

(continued) * Replace -9 suffix with -4 for yellow labels

Product dimensions (continued)

Product order code*	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
PVF-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
PVF-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
PVF-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
PVF-165102-10-9	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
PVF-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
PVF-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
PVF-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
PVF-191114-15-9	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
PVF-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
PVF-203127-10-9	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
PVF-208086-5-9	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
PVF-222159-15-9	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
PVF-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
PVF-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
PVF-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
PVF-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
PVF-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
PVF-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
PVF-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
PVF-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
PVF-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
PVF-318097-10-9	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
PVF-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
PVF-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
PVF-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
PVF-381191-5-9	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
PVF-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
PVF-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
PVF-406254-1.5-9	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
PVF-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
PVF-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
PVF-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
PVF-478175-5-9	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
PVF-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
PVF-508095-5-9	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
PVF-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
PVF-508254-5-9	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
PVF-508318-2.5-9	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
PVF-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
PVF-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
PVF-610419-2.5-9	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
PVF-699191-5-9	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
PVF-699254-5-9	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
PVF-762381-2.5-9	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
PVF-762508-2.5-9	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
PVF-762127-1-9	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
PVF-101508-2.5-9	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
PVF-101635-2.5-9	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
PVF-101762-1.8-9	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
PVF-101101-1.3-9	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
PVF-101165-85-9	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

*Replace -9 suffix with -4 for yellow labels

EP

Economy paper labels

Tyco EP is a thermal transfer printable paper with a permanent adhesive, designed for use in general purpose labeling applications requiring a low cost label material. EP has an aggressive adhesive for bonding to corrugated, films and plastic materials, and it is ideal for labeling in mild environments. The ultra-smooth finish is excellent for bar coding applications. EP remains bonded permanently to most surfaces and typically results in label or substrate tear when removal is attempted. For guaranteed print performance use with Tyco’s RS series ribbon.

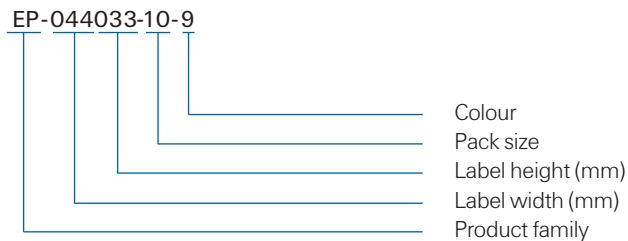
Features and benefits

- Thermal transfer printable.
- Ultra-smooth coated facestock.
- Versatile adhesive with excellent initial tack.
- Several die-cut sizes available.

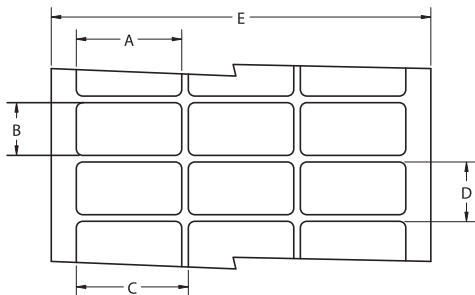


Adhesive	Permanent rubber-based	
Service temperature	−54°C to +66°C	−65°F to +150°F
Recommended printer	T308S*	
Recommended ribbon	1330-0600-10*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		

Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
EP-040040-25-9	25,000	20	4.0 0.157	4.0 0.157	4.0 0.157	7.2 0.281	86.0 3.380
EP-044033-10-9	10,000	20	4.4 0.170	3.3 0.130	4.4 0.170	9.5 0.375	92.4 3.636
EP-064064-25-9	25,000	12	6.4 0.250	6.4 0.250	6.4 0.250	9.5 0.375	82.2 3.240
EP-080080-10-9	10,000	8	8.0 0.315	8.0 0.315	9.9 0.390	13.3 0.525	83.3 3.280
EP-089047-10-9	10,000	5	8.9 0.350	4.7 0.185	11.4 0.450	7.9 0.313	60.6 2.386
EP-095080-25-9	25,000	5	9.5 0.375	8.0 0.315	12.2 0.480	12.7 0.500	64.3 2.531
EP-095095-10-9	10,000	7	9.5 0.375	9.5 0.375	11.1 0.437	12.7 0.500	82.1 3.230
EP-114040-25-9	25,000	6	11.4 0.450	4.0 0.157	11.4 0.450	7.2 0.281	74.6 2.940
EP-127032-10-9	10,000	5	12.7 0.500	3.2 0.125	19.1 0.750	3.2 0.250	94.9 3.736

(continued)

Product dimensions (continued)

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
EP-127111-10-9	10,000	5	12.7 0.500	11.1 0.437	16.8 0.662	14.3 0.563	86.0 3.380
EP-127127-10-9	10,000	5	12.7 0.500	12.7 0.500	15.9 0.625	15.9 0.625	82.6 3.250
EP-165051-25-9	25,000	4	16.5 0.650	5.1 0.200	17.8 0.700	8.3 0.325	75.8 2.990
EP-165102-10-9	10,000	5	16.5 0.650	10.2 0.400	19.1 0.750	13.8 0.545	99.1 3.900
EP-171171-10-9	10,000	5	17.1 0.674	17.1 0.674	19.7 0.774	20.3 0.800	101.8 4.006
EP-178095-10-9	10,000	4	17.8 0.700	9.5 0.375	19.1 0.750	12.7 0.500	80.9 3.190
EP-191064-10-9	10,000	4	19.1 0.750	6.4 0.250	21.6 0.850	9.5 0.375	89.9 3.540
EP-191114-15-9	15,000	3	19.1 0.750	11.4 0.450	22.2 0.875	14.7 0.579	69.5 2.736
EP-191762-5-9	5,000	3	19.1 0.750	76.2 3.000	21.6 0.850	88.9 3.500	68.2 2.686
EP-203127-10-9	10,000	4	20.3 0.800	12.7 0.500	22.9 0.900	15.9 0.625	94.6 3.730
EP-208086-5-9	5,000	4	20.8 0.820	8.6 0.340	24.1 0.950	12.7 0.500	101.6 4.000
EP-222159-15-9	15,000	2	22.2 0.875	15.9 0.625	24.8 0.975	19.1 0.750	53.0 2.086
EP-229064-10-9	10,000	3	22.9 0.900	6.4 0.250	28.6 1.125	9.5 0.375	86.0 3.390
EP-250381-10-9	10,000	4	24.9 0.980	38.1 1.500	27.4 1.080	47.6 1.875	113.5 4.470
EP-254045-10-9	10,000	3	25.4 1.000	4.6 0.180	31.8 1.250	8.5 0.333	95.3 3.750
EP-254064-10-9	10,000	3	25.4 1.000	6.4 0.250	27.9 1.100	9.5 0.375	87.3 3.436
EP-254097-10-9	10,000	3	25.4 1.000	9.7 0.380	27.9 1.100	12.7 0.500	87.4 3.440
EP-254127-10-9	10,000	3	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	87.4 3.440
EP-254254-10-9	10,000	3	25.4 1.000	25.4 1.000	27.9 1.100	28.6 1.125	87.4 3.440
EP-305047-10-9	10,000	2	30.5 1.200	4.7 0.185	33.0 1.300	7.8 0.306	69.5 2.736
EP-318064-10-9	10,000	1	31.8 1.250	6.4 0.250	N/A N/A	9.5 0.375	37.9 1.490
EP-318097-10-9	10,000	1	31.8 1.250	9.7 0.380	N/A N/A	12.7 0.500	37.8 1.488
EP-381020-10-9	10,000	1	38.1 1.500	2.0 0.080	N/A N/A	10.7 0.423	44.1 1.740
EP-381064-10-9	10,000	1	38.1 1.500	6.4 0.250	N/A N/A	9.5 0.375	44.5 1.750
EP-381127-5-9	5,000	2	38.1 1.500	12.7 0.500	44.2 1.738	15.9 0.625	88.2 3.472
EP-381191-5-9	5,000	2	38.1 1.500	19.1 0.750	43.2 1.700	22.2 0.875	87.6 3.450
EP-381381-2.5-9	2,500	2	38.1 1.500	38.1 1.500	44.5 1.750	40.8 1.607	88.9 3.500
EP-381635-5-9	5,000	2	38.1 1.500	63.5 2.500	40.6 1.600	66.7 2.625	84.7 3.336
EP-406254-1.5-9	1,500	2	40.6 1.600	25.4 1.000	55.9 2.200	38.1 1.500	102.9 4.050
EP-445064-10-9	10,000	1	44.5 1.750	6.4 0.250	N/A N/A	9.5 0.375	50.4 1.986
EP-445102-5-9	5,000	1	44.5 1.750	10.2 0.400	N/A N/A	12.7 0.500	50.4 1.986
EP-445445-2-9	2,000	1	44.5 1.750	44.5 1.750	N/A N/A	47.6 1.875	50.4 1.986
EP-478175-5-9	5,000	1	47.8 1.880	17.5 0.690	N/A N/A	24.4 0.962	66.0 2.600
EP-508064-10-9	10,000	1	50.8 2.000	6.4 0.250	N/A N/A	9.5 0.375	56.9 2.240
EP-508095-5-9	5,000	1	50.8 2.000	9.5 0.375	N/A N/A	12.7 0.500	57.2 2.250
EP-508127-10-9	10,000	1	50.8 2.000	12.7 0.500	N/A N/A	15.9 0.625	56.9 2.240
EP-508254-5-9	5,000	1	50.8 2.000	25.4 1.000	N/A N/A	28.6 1.125	57.2 2.250
EP-508318-2.5-9	2,500	1	50.8 2.000	31.8 1.250	N/A N/A	34.9 1.375	56.9 2.240
EP-508508-3-9	3,000	1	50.8 2.000	50.8 2.000	N/A N/A	54.6 2.150	54.0 2.130
EP-523841-1.5-9	1,500	1	52.3 2.060	84.1 3.310	N/A N/A	88.9 3.500	58.2 2.290
EP-610419-2.5-9	2,500	1	61.0 2.400	41.9 1.650	N/A N/A	45.5 1.792	67.3 2.650
EP-699191-5-9	5,000	1	69.9 2.750	19.1 0.750	N/A N/A	23.3 0.917	76.2 3.000
EP-699254-5-9	5,000	1	69.9 2.750	25.4 1.000	N/A N/A	28.6 1.125	76.2 3.000
EP-762381-2.5-9	2,500	1	76.2 3.000	38.1 1.500	N/A N/A	41.3 1.625	82.3 3.240
EP-762508-2.5-9	2,500	1	76.2 3.000	50.8 2.000	N/A N/A	54.0 2.125	82.6 3.240
EP-762127-1-9	1,000	1	76.2 3.000	127.0 5.000	N/A N/A	129.5 5.100	79.4 3.130
EP-101508-2.5-9	2,500	1	101.6 4.000	50.8 2.000	N/A N/A	54.6 2.150	104.1 4.100
EP-101635-2.5-9	2,500	1	101.6 4.000	63.5 2.500	N/A N/A	66.7 2.625	107.7 4.240
EP-101762-1.8-9	1,800	1	101.6 4.000	76.2 3.000	N/A N/A	79.4 3.125	104.1 4.100
EP-101101-1.3-9	1,300	1	101.6 4.000	101.6 4.000	N/A N/A	104.8 4.125	104.1 4.100
EP-101165-85-9	850	1	101.6 4.000	165.1 6.500	N/A N/A	168.3 6.680	104.9 4.130

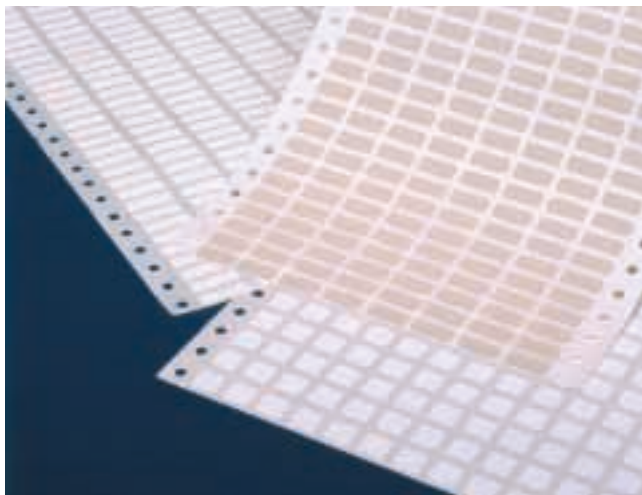
C

Vinyl cloth labels

Tyco C is a dot matrix printable vinyl coated cloth material with a permanent acrylic adhesive that is designed for application to irregular surfaces where conformability is required. It is ideal for permanent wire marking, or it can be flagged onto wires for temporary marking. C is also ideal for electronic component identification and other general purpose labeling applications. For guaranteed print performance and durability, use with Tyco's RI Quick-Dry series ribbon.

Features and benefits

- Flexible, easily conforms to curved surfaces.
- Dot matrix printable.
- Several die-cut sizes available.
- Excellent abrasion resistance.
- Resistant to oil, water and several common fluids.



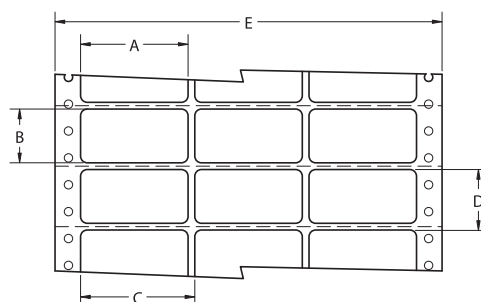
Adhesive	Permanent acrylic	
Service temperature	-29°C to +80°C	-20°F to +176°F
Recommended printer	LQ870*	
Recommended ribbon	1330-0037-00*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		

Part numbering system

C-064064-10-9



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
C-064064-10-9	10,000	20	6.4 0.250	6.4 0.250	6.4 0.250	8.5 0.333	152.4 6.000
C-076191-10-9	10,000	16	7.6 0.300	19.1 0.750	7.6 0.300	25.4 1.000	147.3 5.800
C-080080-10-9	10,000	10	8.0 0.315	8.0 0.315	8.0 0.315	12.7 0.500	105.4 4.150
C-095095-10-9	10,000	16	9.5 0.375	9.5 0.375	12.7 0.500	12.7 0.500	226.1 8.900
C-115064-10-9	10,000	8	11.5 0.450	6.4 0.250	14.0 0.550	9.5 0.375	134.6 5.300
C-121064-10-9	10,000	8	12.1 0.475	6.4 0.250	14.6 0.575	8.5 0.333	139.7 5.500
C-154064-10-9	10,000	7	15.4 0.600	6.4 0.250	17.8 0.700	8.5 0.333	147.3 5.800
C-159079-10-9	10,000	8	15.9 0.625	7.9 0.310	19.1 0.750	12.7 0.500	174.6 6.875
C-165051-10-9	10,000	10	16.5 0.650	5.1 0.200	20.3 0.800	6.4 0.250	224.8 8.850
C-191064-10-9	10,000	9	19.1 0.750	6.4 0.250	22.9 0.900	8.5 0.333	227.3 8.950
C-203127-10-9	10,000	10	20.3 0.800	12.7 0.500	20.3 0.800	15.9 0.625	228.6 9.000
C-203365-10-9	10,000	6	20.3 0.800	36.5 1.437	22.9 0.900	38.1 1.500	160.0 6.300
C-215055-10-9	10,000	5	21.5 0.846	5.5 0.217	25.4 1.000	8.5 0.333	148.6 5.850
C-229064-10-9	10,000	8	22.9 0.900	6.4 0.250	25.4 1.000	8.5 0.333	226.1 8.900
C-254095-10-9	10,000	7	25.4 1.000	9.5 0.375	27.9 1.100	12.7 0.500	218.4 8.600
C-254127-10-9	10,000	7	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	218.4 8.600
C-293064-10-9	10,000	4	29.3 1.150	6.4 0.250	9.4 0.370	30.5 1.200	146.1 5.750
C-381064-10-S1-9	10,000	4*	38.1 1.500	6.4 0.250	45.7 1.800	8.5 0.333	200.7 7.900
C-394064-10-9	10,000	4	39.4 1.550	6.4 0.250	41.9 1.650	8.5 0.333	190.5 7.500
C-508095-5-9	5,000	3	50.8 2.000	9.5 0.375	53.3 2.100	12.7 0.500	182.9 7.200
C-533064-5-9	5,000	3	53.3 2.100	6.4 0.250	55.9 2.200	8.5 0.333	190.5 7.500
C-533114-5-9	5,000	3	53.3 2.100	11.4 0.450	55.9 2.200	14.7 0.579	190.5 7.500

* Perforated

M

Metalised polyester labels

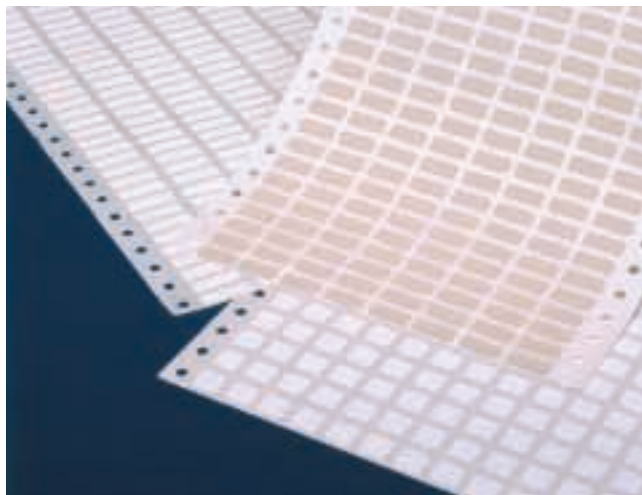
Tyco M is a dot matrix printable metalised polyester film with a permanent acrylic adhesive that is designed for rating plate applications and other applications that require a “metal look” such as nameplates, rating plates and equipment labels to detail product information and serial numbers. M is UL Listed and CSA Certified, and its print performance and durability are guaranteed when used with Tyco’s RI Quick- Dry series ribbon.

Features and benefits

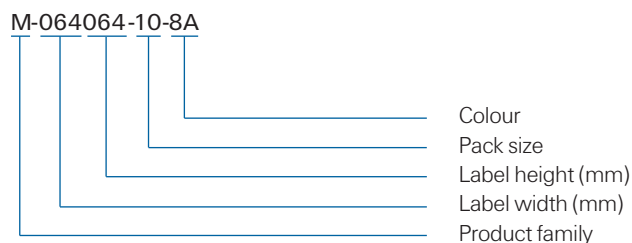
- Dot matrix printable.
- Cost-efficient for general purpose low volume applications.
- Exceptional durability and strength.
- Matte finish ink receptive coating for better contrast.
- Resistant to oil, water and several common fluids.
- UL Listed and CSA Certified.



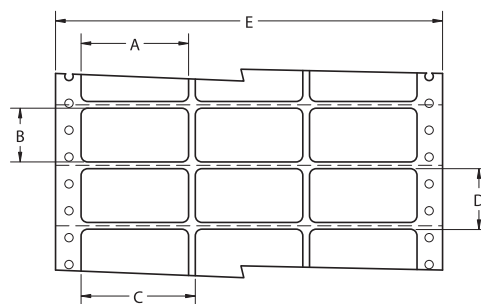
Adhesive	Permanent acrylic	
Service temperature	–53°C to +93°C	–65°F to +200°F
Recommended printer	LQ870*	
Recommended ribbon	1330-0037-00*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		



Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
M-064064-10-8A	10,000	20	6.4 0.250	6.4 0.250	6.4 0.250	8.5 0.333	152.4 6.000
M-076191-10-8A	10,000	16	7.6 0.300	19.1 0.750	7.6 0.300	25.4 1.000	147.3 5.800
M-080080-10-8A	10,000	10	8.0 0.315	8.0 0.315	8.0 0.315	12.7 0.500	105.4 4.150
M-095095-10-8A	10,000	16	9.5 0.375	9.5 0.375	12.7 0.500	12.7 0.500	226.1 8.900
M-102070-10-8A	10,000	4	10.2 0.400	7.0 0.275	15.9 0.625	9.5 0.375	83.2 3.275
M-115064-10-8A	10,000	8	11.5 0.450	6.4 0.250	14.0 0.550	9.5 0.375	134.6 5.300
M-121064-10-8A	10,000	8	12.1 0.475	6.4 0.250	14.6 0.575	8.5 0.333	139.7 5.500
M-127111-10-8A	10,000	13	12.7 0.500	11.1 0.437	15.2 0.600	15.9 0.625	221.0 8.700
M-127191-10-8A	10,000	12	12.7 0.500	19.1 0.750	15.2 0.600	25.4 1.000	205.7 8.100
M-154064-10-8A	10,000	7	15.4 0.600	6.4 0.250	17.8 0.700	8.5 0.333	147.3 5.800
M-159079-10-8A	10,000	8	15.9 0.625	7.9 0.310	19.1 0.750	12.7 0.500	174.6 6.875
M-165051-10-8A	10,000	10	16.5 0.650	5.1 0.200	20.3 0.800	6.4 0.250	224.8 8.850
M-191064-10-8A	10,000	9	19.1 0.750	6.4 0.250	22.9 0.900	8.5 0.333	227.3 8.950
M-203064-10-8A	10,000	10	20.3 0.800	6.4 0.250	20.3 0.800	8.5 0.333	228.6 9.000
M-203127-10-8A	10,000	10	20.3 0.800	12.7 0.500	20.3 0.800	15.9 0.625	228.6 9.000
M-203365-10-8A	10,000	6	20.3 0.800	36.5 1.437	22.9 0.900	38.1 1.500	160.0 6.300
M-215055-10-8A	10,000	5	21.5 0.846	5.5 0.217	25.4 1.000	8.5 0.333	148.6 5.850
M-229064-10-8A	10,000	8	22.9 0.900	6.4 0.250	25.4 1.000	8.5 0.333	226.1 8.900
M-254095-10-8A	10,000	7	25.4 1.000	9.5 0.375	27.9 1.100	12.7 0.500	218.4 8.600
M-254127-10-8A	10,000	7	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	218.4 8.600
M-293064-10-8A	10,000	4	29.3 1.150	6.4 0.250	9.4 0.370	30.5 1.200	146.1 5.750
M-381191-10-8A	10,000	4	38.1 1.500	19.1 0.750	43.2 1.700	25.4 1.000	193.0 7.600
M-394064-10-8A	10,000	4	39.4 1.550	6.4 0.250	41.9 1.650	8.5 0.333	190.5 7.500
M-508095-5-8A	5,000	3	50.8 2.000	9.5 0.380	53.3 2.100	12.7 0.500	182.9 7.200
M-508254-4-8A	4,000	4	50.8 2.000	25.4 1.075	50.8 2.000	28.6 1.125	228.6 9.000
M-508318-3-8A	3,000	4	50.8 2.000	31.8 1.250	50.8 2.000	34.9 1.375	228.6 9.000
M-533064-5-8A	5,000	3	53.3 2.100	6.4 0.250	55.9 2.200	8.5 0.333	190.5 7.500
M-533114-5-8A	5,000	3	53.3 2.100	11.4 0.450	55.9 2.200	14.7 0.579	190.5 7.500
M-572286-2.5-8A	2,500	1	57.2 2.250	28.6 1.130	N/A N/A	31.8 1.250	82.6 3.250
M-673254-3-8A	3,000	3	67.3 2.650	25.4 1.000	67.3 2.650	38.1 1.500	227.3 8.950
M-673349-3-8A	3,000	3	67.3 2.650	34.9 1.375	67.3 2.650	38.1 1.500	227.3 8.950
M-699254-2.5-8A	2,500	3	69.9 2.750	25.4 1.000	73.0 2.875	28.6 1.125	241.3 9.500
M-699318-2.5-8A	2,500	3	69.9 2.750	31.8 1.250	73.0 2.875	34.9 1.375	241.3 9.500
M-711064-5-8A	5,000	1	71.1 2.800	6.4 0.250	N/A N/A	8.5 0.333	96.5 3.800
M-762508-1-8A	1,000	2	76.2 3.000	50.8 2.000	79.4 3.125	54.0 2.125	181.0 7.130
M-920254-2.5-8A	2,500	2	92.0 3.620	25.4 1.000	94.6 3.725	28.6 1.125	212.1 8.350
M-920381-2.5-8A	2,500	2	92.0 3.620	38.1 1.500	95.3 3.750	41.3 1.625	212.8 8.380
M-165101-1-8A	1,000	1	165.1 6.500	101.6 4.000	N/A N/A	108.0 4.250	190.5 7.500

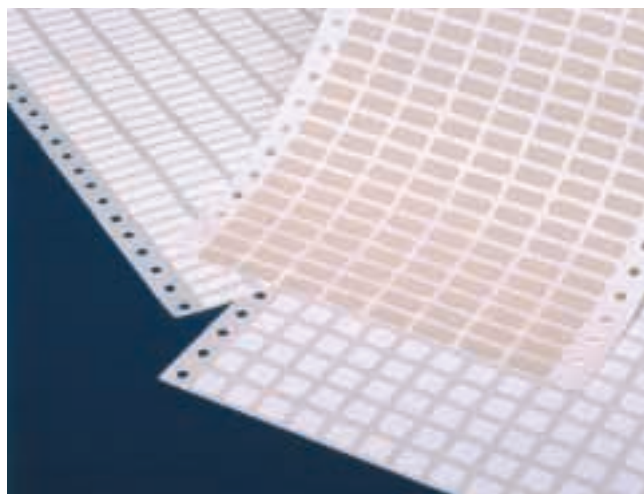
K

Kapton® labels

Tyco K is a dot matrix printable, 2 mm thick oyster Kapton® with a permanent acrylic adhesive that is ideal for high temperature labeling requirements such as printed circuit boards. It is suitable for direct wave (bottom side) and IR reflow (top side) PCB applications, and is designed to withstand the fluxes, cleaning solvents and molten solder encountered in the manufacture of printed circuit boards. With a flash exposure service temperature of +538°C (+1000°F), K is suitable for the harshest high temperature applications. For guaranteed print performance and durability, use with Tyco's RI Quick-Dry series ribbon.

Features and benefits

- Dot matrix printable.
- Matte finish for better print contrast.
- Product approved for aerospace/defense applications.
- Exceptional durability and tear resistance.
- High temperature permanent acrylic adhesive.
- Superior solvent and UV resistance.
- Low outgassing.



Adhesive

Permanent acrylic

Service temperature*

-40°C to +260°C -40°F to +500°F

*Flash exposure to +538°C (+1000°F)

Recommended printer

LQ870**

Recommended ribbon

1330-0037-00**

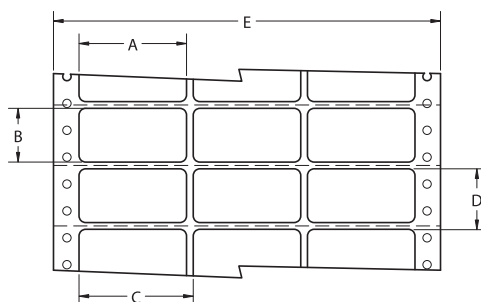
**Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.

Part numbering system

K-064064-10-1A



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
K-064064-10-1A	10,000	20	6.4 0.250	6.4 0.250	6.4 0.250	8.5 0.333	152.4 6.000
K-076191-10-1A	10,000	16	7.6 0.300	19.1 0.750	7.6 0.300	25.4 1.000	147.3 5.800
K-080080-10-1A	10,000	10	8.0 0.315	8.0 0.315	8.0 0.315	12.7 0.500	105.4 4.150
K-095095-10-1A	10,000	16	9.5 0.375	9.5 0.375	12.7 0.500	12.7 0.500	226.1 8.900
K-115064-10-1A	10,000	8	11.5 0.450	6.4 0.250	14.0 0.550	9.5 0.375	134.6 5.300
K-121064-10-1A	10,000	8	12.1 0.475	6.4 0.250	14.6 0.575	8.5 0.333	139.7 5.500
K-154064-10-1A	10,000	7	15.4 0.600	6.4 0.250	17.8 0.700	8.5 0.333	147.3 5.800
K-159079-10-1A	10,000	8	15.9 0.625	7.9 0.310	19.1 0.750	12.7 0.500	174.6 6.875
K-165051-10-1A	10,000	10	16.5 0.650	5.1 0.200	20.3 0.800	6.4 0.250	224.8 8.850
K-191064-10-1A	10,000	9	19.1 0.750	6.4 0.250	22.9 0.900	8.5 0.333	227.3 8.950
K-203127-10-1A	10,000	10	20.3 0.800	12.7 0.500	20.3 0.800	15.9 0.625	228.6 9.000
K-203365-10-1A	10,000	6	20.3 0.800	36.5 1.437	22.9 0.900	38.1 1.500	160.0 6.300
K-215055-10-1A	10,000	5	21.5 0.846	5.5 0.217	25.4 1.000	8.5 0.333	148.6 5.850
K-229064-10-1A	10,000	8	22.9 0.900	6.4 0.250	25.4 1.000	8.5 0.333	226.1 8.900
K-254095-10-1A	10,000	7	25.4 1.000	9.5 0.375	27.9 1.100	12.7 0.500	218.4 8.600
K-254127-10-1A	10,000	7	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	218.4 8.600
K-293064-10-1A	10,000	4	29.3 1.150	6.4 0.250	9.4 0.370	30.5 1.200	146.1 5.750
K-508095-5-1A	5,000	3	50.8 2.000	9.5 0.375	53.3 2.100	12.7 0.500	182.9 7.200
K-533064-5-1A	5,000	3	53.3 2.100	6.4 0.250	55.9 2.200	8.5 0.333	190.5 7.500

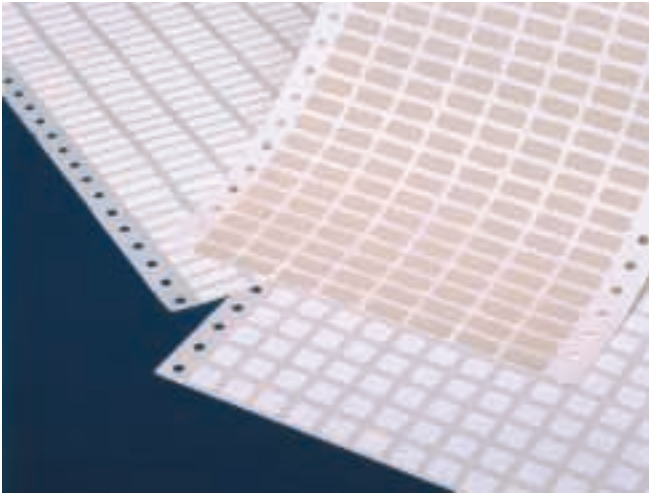
E

White polyester labels

Tyco E is a dot matrix printable white polyester film with a permanent acrylic adhesive that is ideal for PCB and component labeling, as well as general purpose labeling applications that require a high durability white label. It is resistant to a variety of solvents while maintaining print quality. E is UL Listed and CSA Certified, and its print performance and durability are guaranteed when used with Tyco's RI Quick-Dry series ribbon.

Features and benefits

- Dot matrix printable.
- Cost-efficient for general purpose, low volume applications.
- Exceptional durability and strength.
- Resistant to oil, water and several common fluids.
- UL Listed and CSA Certified.

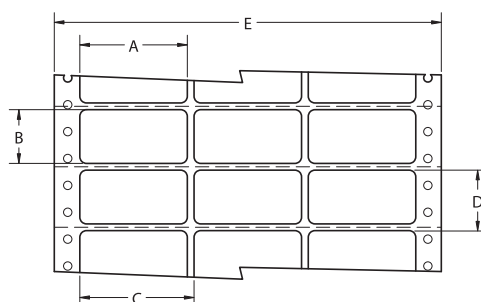


Adhesive	Permanent acrylic	
Service temperature	−53°C to +93°C	−65°F to +200°F
Recommended printer	LQ870*	
Recommended ribbon	1330-0037-00*	
<i>*Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.</i>		

Part numbering system



Ordering information



Product dimensions

Product order code	Package quantity	Labels across	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches	Web width (E) mm inches
E-064064-10-9	10,000	20	6.4 0.250	6.4 0.250	6.4 0.250	8.5 0.333	152.4 6.000
E-076191-10-9	10,000	16	7.6 0.300	19.1 0.750	7.6 0.300	25.4 1.000	147.3 5.800
E-080080-10-9	10,000	10	8.0 0.315	8.0 0.315	8.0 0.315	12.7 0.500	105.4 4.150
E-095095-10-9	10,000	16	9.5 0.375	9.5 0.375	12.7 0.500	12.7 0.500	226.1 8.900
E-102070-10-9	10,000	4	10.2 0.400	7.0 0.275	15.9 0.625	9.5 0.375	83.2 3.275
E-115064-10-9	10,000	8	11.5 0.450	6.4 0.250	14.0 0.550	9.5 0.375	134.6 5.300
E-121064-10-9	10,000	8	12.1 0.475	6.4 0.250	14.6 0.575	8.5 0.333	139.7 5.500
E-127111-10-9	10,000	13	12.7 0.500	11.1 0.437	15.2 0.600	15.9 0.625	221 8.700
E-127191-10-9	10,000	12	12.7 0.500	19.1 0.750	15.2 0.600	25.4 1.000	205.7 8.100
E-154064-10-9	10,000	7	15.4 0.600	6.4 0.250	17.8 0.700	8.5 0.333	147.3 5.800
E-159079-10-9	10,000	8	15.9 0.625	7.9 0.310	19.1 0.750	12.7 0.500	174.6 6.875
E-165051-10-9	10,000	10	16.5 0.650	5.1 0.200	20.3 0.800	6.4 0.250	224.8 8.850
E-191064-10-9	10,000	9	19.1 0.750	6.4 0.250	22.9 0.900	8.5 0.333	227.3 8.950
E-203064-10-9	10,000	10	20.3 0.800	6.4 0.250	20.3 0.800	8.5 0.333	228.6 9.000
E-203127-10-9	10,000	10	20.3 0.800	12.7 0.500	20.3 0.800	15.9 0.625	228.6 9.000
E-203365-10-9	10,000	6	20.3 0.800	36.5 1.437	22.9 0.900	38.1 1.500	160.0 6.300
E-215055-10-9	10,000	5	21.5 0.846	5.5 0.217	25.4 1.000	8.5 0.333	148.6 5.850
E-229064-10-9	10,000	8	22.9 0.900	6.4 0.250	25.4 1.000	8.5 0.333	226.1 8.900
E-254095-10-9	10,000	7	25.4 1.000	9.5 0.375	27.9 1.100	12.7 0.500	218.4 8.600
E-254127-10-9	10,000	7	25.4 1.000	12.7 0.500	27.9 1.100	16.9 0.666	218.4 8.600
E-293064-10-9	10,000	4	29.3 1.150	6.4 0.250	9.4 0.370	30.5 1.200	146.1 5.750
E-381191-10-9	10,000	4	38.1 1.500	19.1 0.750	43.2 1.700	25.4 1.000	193.0 7.600
E-394064-10-9	10,000	4	39.4 1.550	6.4 0.250	41.9 1.650	8.5 0.333	190.5 7.500
E-508095-5-9	5,000	3	50.8 2.000	9.5 0.375	53.3 2.100	12.7 0.500	182.9 7.200
E-508254-4-9	4,000	4	50.8 2.000	25.4 1.000	50.8 2.000	28.6 1.125	228.6 9.000
E-508318-3-9	3,000	4	50.8 2.000	31.8 1.250	50.8 2.000	34.9 1.375	228.6 9.000
E-533064-5-9	5,000	3	53.3 2.100	6.4 0.250	55.9 2.200	8.5 0.333	190.5 7.500
E-533114-5-9	5,000	3	53.3 2.100	11.4 0.450	55.9 2.200	14.7 0.579	190.5 7.500
E-572286-2-5-9	2,500	1	57.2 2.250	28.6 1.125	N/A N/A	31.8 1.250	82.6 3.250
E-673254-3-9	3,000	3	67.3 2.650	25.4 1.000	67.3 2.650	38.1 1.500	227.3 8.950
E-673349-3-9	3,000	3	67.3 2.650	34.9 1.375	67.3 2.650	38.1 1.500	227.3 8.950
E-699254-2-5-9	2,500	3	69.9 2.750	25.4 1.000	73.0 2.875	28.6 1.125	241.3 9.500
E-699318-2-5-9	2,500	3	69.9 2.750	31.8 1.250	73.0 2.875	34.9 1.375	241.3 9.500
E-711064-5-9	5,000	1	71.1 2.800	6.4 0.250	N/A N/A	8.5 0.333	96.5 3.800
E-762508-1-9	1,000	2	76.2 3.000	50.8 2.000	79.4 3.125	54.0 2.125	181.0 7.130
E-920254-2-5-9	2,500	2	92.0 3.620	25.4 1.000	94.6 3.725	28.6 1.125	212.1 8.350
E-920381-2-5-9	2,500	2	92.0 3.620	38.1 1.500	95.3 3.750	41.3 1.625	212.8 8.380
E-165101-1-9	1,000	1	165.1 6.500	101.6 4.000	N/A N/A	108.0 4.250	190.5 7.500

LE/LM/LEB2

Polyester labels

LE

Tyco LE is a white polyester film with a permanent acrylic adhesive and a special top-coat designed specifically for use with laser and ink jet printers. It is ideal for bar coding, PCB and component labeling, and general labeling applications requiring a white high durability label. LE offers high print resolution as well as good solvent and smudge resistance.

LM

Tyco LM is a metalised polyester film with a permanent acrylic adhesive and a special top-coat designed specifically for use with laser and ink jet printers. It is ideal for rating plate applications and other applications that require a "metal look" such as nameplates and equipment labels to detail product information and serial numbers.

Note: On large label formats, some curl may occur on printing due to duration of time in the laser printer.

LEB2

LEB2, our A4 size symmetrically-designed laser and ink jet labels, guarantee a correct feeding in the paper tray. The label sheet can be used in both directions and is also usable for the stack function of your printer. The sheets can be used several times if partial label amounts need to be printed. Special surface coatings guarantee an extremely high ageing-resistance of the printing image.

Features and benefits

- Laser printable.
- Exceptional durability and tear strength.
- Suitable for low volume applications.
- Excellent for bar code applications.
- Good resistance to common fluids and water.
- LM metalised appearance is ideal for rating plate applications.
- LEB2 features symmetrical design – can be printed on from both top sides.

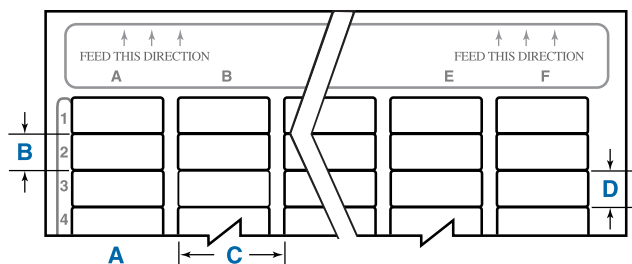


Adhesive

Permanent acrylic

Service temperature

–40°C to +150°C –40°F to +302°F



LE

Product order code	Package quantity	Labels across	Labels per sheet	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches
314-LE	4,000	16	400	9.5 0.375	9.5 0.375	12.7 0.500	9.5 0.375
301-LE	4,800	10	480	16.5 0.650	5.1 0.200	20.3 0.800	5.1 0.200
303-LE	3,040	8	304	20.3 0.800	6.4 0.250	25.4 1.000	6.4 0.250
304-LE	1,520	8	152	20.3 0.800	12.7 0.500	25.4 1.000	12.7 0.500
309-LE	2,660	7	266	25.4 1.000	6.4 0.250	27.9 1.100	6.4 0.250
305-LE	1,750	7	175	25.4 1.000	9.5 0.375	27.9 1.100	9.5 0.375
307-LE	1,330	7	133	25.4 1.000	12.7 0.500	27.9 1.100	12.7 0.500
310-LE	1,900	5	190	38.1 1.500	6.4 0.250	40.6 1.600	6.4 0.250
308-LE	600	5	60	38.1 1.500	19.1 0.750	40.6 1.600	19.1 0.750
318-LE	400	4	40	50.8 2.000	25.4 1.000	50.8 2.000	25.4 1.000
319-LE	100	2	10	76.2 3.000	50.8 2.000	88.9 3.500	50.8 2.000
325-LE	10	1	1	215.9 8.500	279.4 11.000	N/A N/A	N/A N/A

LM

Product order code	Package quantity	Labels across	Labels per sheet	Label width (A) mm inches	Label height (B) mm inches	Horizontal repeat (C) mm inches	Vertical repeat (D) mm inches
314-LM	4,000	16	400	9.5 0.375	9.5 0.375	12.7 0.500	9.5 0.375
301-LM	4,800	10	480	16.5 0.650	5.1 0.200	20.3 0.800	5.1 0.200
303-LM	3,040	8	304	20.3 0.800	6.4 0.250	25.4 1.000	6.4 0.250
304-LM	1,520	8	152	20.3 0.800	12.7 0.500	25.4 1.000	12.7 0.500
309-LM	2,660	7	266	25.4 1.000	6.4 0.250	27.9 1.100	6.4 0.250
305-LM	1,750	7	175	25.4 1.000	9.5 0.375	27.9 1.100	9.5 0.375
307-LM	1,330	7	133	25.4 1.000	12.7 0.500	27.9 1.100	12.7 0.500
310-LM	1,900	5	190	38.1 1.500	6.4 0.250	40.6 1.600	6.4 0.250
308-LM	600	5	60	38.1 1.500	19.1 0.750	40.6 1.600	19.1 0.750
318-LM	400	4	40	50.8 2.000	25.4 1.000	50.8 2.000	25.4 1.000
319-LM	100	2	10	76.2 3.000	50.8 2.000	88.9 3.500	50.8 2.000
325-LM	10	1	1	215.9 8.500	279.4 11.000	N/A N/A	N/A N/A

LEB2

Product order code	Labels per sheet	Label height mm inches	Label width mm inches	Labels per column	Labels per row
LEB2-0615P <colour>	480	6.0 0.236	15.0 0.590	48	10
LEB2-0818P <colour>	324	8.0 0.315	18.0 0.709	36	9
LEB2-0820P <colour>	288	8.0 0.315	20.0 0.787	36	8
LEB2-0825P <colour>	252	8.0 0.315	25.0 0.984	36	7
LEB2-0916P <colour>	320	9.0 0.354	16.0 0.630	32	10
LEB2-0920P <colour>	256	9.0 0.354	20.0 0.787	32	8
LEB2-1318P <colour>	198	13.0 0.512	18.0 0.709	22	9
LEB2-1325P <colour>	154	13.0 0.512	25.0 0.984	22	7

Sheet sizes

LE, LM	8.5" x 11"
LEB2	A4

Options (LEB2 only)

Colours	Yellow	White	Silver
Code	G	W	S

PRINTERS



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T200 Series

Portable thermal transfer printers

The T200 Series of printers are portable/desktop thermal transfer printers with a 4.1" print head offering an economical option for low volume customers who want to take advantage of thermal transfer printing technology. Their small, light weight design makes them ideal for applications requiring portability or in environments with multiple workstations where space is limited.

The T208M has a 203 dpi print head; the T212M has a 300 dpi print head for crisp, high quality text, bar codes and graphic images. Both printers are designed for use with Tyco's range of TMS heat shrinkable wire marker sleeves and selected thermal transfer printable pressure sensitive label products.



Printer specifications

Print head width	104 mm (4.09")
Print head resolution	T208M: 8 dpmm (203 dpi) T212M: 12 dpmm (300 dpi)
Print speed (maximum)	51 mm per second (2 inches per second)
Media sensor	Transmissive – fixed
Memory	T208M: 256 KB SRAM and 512 KB flash T212M: 512 KB SRAM and 1 MB flash
Communication interface	Parallel (centronics) and serial (RS232)
Printer dimensions	200 mm W x 247 mm D x 171 mm H (7.9" W x 9.75" D x 6.75" H)
Printer weight	1.81 kg (4 lbs)

Media specifications

Maximum print width	104 mm (4.09")
Maximum media width	118 mm (4.65")
Minimum media width	28 mm (1.12")
Maximum media roll diameter	127 mm (5.0")
Media core diameter	25 mm (1.0")
Ribbon wind	Ink side out

Product order code

Description

T208M	Tyco T208M thermal printer – standard
T208M-C	Tyco T208M thermal printer – cutter option
T212M	Tyco T212M thermal printer – standard
T212M-C	Tyco T212M thermal printer – cutter option

T300 Series

*High performance, cost effective
thermal transfer printers*

Tyco's T300 Series of printers are high performance, yet cost effective thermal transfer printers with a 4.1" print head. The rugged and durable all metal construction makes them suitable for demanding industrial and commercial environments. The enhanced memory and 32 bit processor provide fast data processing and print speeds. Optional accessories are available for added convenience and efficiency.

The T308S has a 203 dpi print head for use with the Tyco range of thermal transfer printable pressure sensitive label products. The 300 dpi print head on the T3 12S and T3 12M produces crisp, high quality text, bar codes and graphic images. The T3 12S is for use with Tyco thermal transfer printable pressure sensitive label products. The T3 12M is designed for use with Tyco TMS and H.S.I. wire marker sleeves, as well as thermal transfer printable pressure sensitive label products.



Printer specifications

Print head width	104 mm (4.09")
Print head resolution	T308S: 8 dpmm (203 dpi) T3 12M/T3 12S: 12 dpmm (300 dpi)
Print speed (maximum)	203 mm per second (8 inches per second)
Media sensor	Transmissive – adjustable
Memory	3 MB DRAM and 750 KB flash
Communication interface	Bi-directional parallel port and RS232C/422/485 serial port
Printer dimensions	283 mm W x 495 mm D x 394 mm H (11.2" W x 19.5" D x 15.5" H)
Printer weight	25 kg (55 lbs)

Media specifications

Maximum print width	104 mm (4.09")
Maximum media width	115 mm (4.52")
Minimum media width	20 mm (0.79")
Maximum media roll diameter	2037 mm (8.0")
Media core diameter	76 mm (3.0")
Ribbon wind	Ink side out

Product order code

Description

T308S	Tyco T308S thermal printer – standard
T308S-C	Tyco T308S thermal printer – cutter option
T308S-R	Tyco T308S thermal printer – internal rewind option
T3 12S	Tyco T3 12S thermal printer – standard
T3 12S-C	Tyco T3 12S thermal printer – cutter option
T3 12S-R	Tyco T3 12S thermal printer – internal rewind option
T3 12M	Tyco T3 12M thermal printer – standard
T3 12M-R	Tyco T3 12M thermal printer – internal rewind option

T400 Series

High performance and high speed thermal transfer printers

The T408M is a high performance, high speed thermal transfer printer with a 5" 203 dpi print head. The rugged and durable all metal construction makes the T408M suitable for demanding industrial and commercial environments.

The enhanced memory and dual 32 bit processor provide extremely fast data processing and print speeds. The T408M is the best option for high volume output and up to 24 hour duty cycles. It is ideal for use with the full range of Tyco TMS and H.S.I. wire marker sleeves and thermal transfer printable pressure sensitive label products. The T408M has a multilingual back-lit LCD display and dual media sensors. Optional accessories are available for added convenience and efficiency.



Printer specifications	
Print head width	128 mm (5.04")
Print head resolution	8 dpmm (203 dpi)
Print speed (maximum)	305 mm per second (12 inches per second)
Media sensor	Transmissive and reflective – adjustable
Memory	4 MB DRAM and 1.5 MB flash
Communication interface	Bi-directional parallel port and RS232C/422/485 serial port
Printer dimensions	283 mm W x 495 mm D x 394 mm H (11.2" W x 19.5" D x 15.5" H)
Printer weight	25 kg (55 lbs)

Media specifications	
Maximum print width	128 mm (5.04")
Maximum media width	140 mm (5.51")
Minimum media width	40 mm (1.57")
Maximum media roll diameter	203 mm (8.0")
Media core diameter	76 mm (3.0")
Ribbon wind	Ink side out

Product order code	Description
T408M	Tyco T408M thermal printer – standard
T408M-R	Tyco T408M thermal printer – internal rewind option

QLS2001

Double sided thermal transfer printer

Specifically designed by Tyco, the QLS2001 printer answers a common need in heat-shrinkable wire and cable identification markers: single-pass printing onto both the front and back side of the markers simultaneously. Specifically developed and modified by Tyco for this application, the QLS2001 is a high duty cycle, industrially robust thermal transfer printer. It will print onto the complete range of TMS System Six heat-shrinkable markers in all sizes from 3/32" (2.4 mm) to 2 1/4" (57.2 mm). The data printed onto the two sides of each marker can be identical or different, same side up or flipped.



Printer specifications	
Print head width	128 mm (5.04")
Print head resolution	12 dpmm (304 dpi)
Print speed (maximum)	50 to 128 mm per second (2 [recommended] to 5 inches per second)
Media sensor	Transmissive and gap
Memory	12MB
Communication interface	Parallel (centronics) and serial (RS232/422)
Printer dimensions	559 mm W x 432 mm D x 508 mm H (22" W x 17" D x 20" H)
Printer weight	38 kg (84 lbs)
Media specifications	
Maximum print width	12mm (4.4")
Maximum media width	117 mm (4.625")
Maximum media roll diameter	254 mm (10.0")
Media core diameter	26 mm (3.0")
Ribbon wind	Ink side out
Product order code	Description
TMS-QLS2001	Tyco QLS2001 thermal printer – standard

AM6310

Heavy duty dot matrix printer

Specifically designed by Tyco, the AM6310 is a heavy duty industrial dot matrix printer with a high impact 24-pin print head. Automatic media thickness detection and a high impact print head make the AM6310 the best industrial printer available for heavy gauge wire marker and tag materials, and the 24-pin print head produces high quality text printing with fast print speeds. It is ideal for use with the full range of Tyco TMS and H.S.I. wire marker sleeves and dot matrix printable pressure sensitive label and tag products.



Printer specifications

Print head	24-pin high-impact dot matrix
Print speed	Max. high-speed draft: 600 cps at 12 cpi Letter quality: 160 cps at 12 cpi
Print direction	Bi-directional, logic seeking
Control panel	LCD, 12 keys, select-dial and quick access setup menu
Feed mechanism	Tractor (single or dual)
Memory	2 MB flash
Input buffer	80 KB
Communication interface	Parallel port (centronics 36-pin) and serial port (RS232/DB25)
Printer dimensions	483 mm W x 427 mm D x 208 mm H 19.0" W x 16.0" D x 8.2" H
Printer weight	18.1 kg (40 lbs)

Media specifications

Maximum print width	279 mm (11.0")
Maximum media width	305 mm (12.0")
Minimum media width	25 mm (1.0")

Product order code

Description

AM6310-110V	Tyco AM6310 dot matrix printer – standard 110 V
AM6310-230V	Tyco AM6310 dot matrix printer – standard 230 V
AM6310D-110V	Tyco AM6310 dot matrix printer – dual tractor 110 V
AM6310D-230V	Tyco AM6310 dot matrix printer – dual tractor 230 V

LQ870

Light duty dot matrix printer

The LQ870 is a light duty, cost effective dot matrix printer with a 24-pin print head that produces high quality text printing with fast print speeds. The dual tractor feed mechanisms provide stability and reduce waste when printing Tyco wire marker sleeves and label products. The LQ870 is ideal for use with the Tyco range of TMS heat shrinkable wire marker sleeves and dot matrix printable pressure sensitive label products.



Printer specifications

Print head	24-pin impact dot matrix
Print speed	Max. high-speed draft: 330 cps at 12 cpi Letter quality: 92 cps at 12 cpi
Feed mechanism	Dual tractor
Input buffer	8 KB
Printer language	ESC/P2
Communication interface	Parallel port
Printer dimensions	457 mm W x 371 mm D x 173 mm H 18.0" W x 14.6" D x 6.8" H
Printer weight	8.9 kg (19.6 lbs)

Media specifications

Maximum print width	230 mm (8.0")
Maximum media width	254 mm (10.0")
Minimum media width	51 mm (2.0")

Product order code

Description

TMS-743-EP-LQ780-PRNT-KT	Tyco LQ870 dot matrix printer – standard 110 V
TMS-SIX-PROMO-PRINTER	Tyco LQ870 dot matrix printer – standard 240 V

LMS-9000

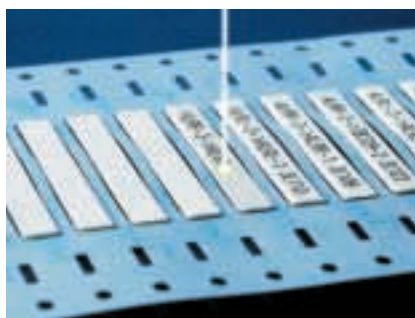
Laser marker

The LMS-9000 laser marker is a low maintenance laser marking system designed for high volume users. It is a highly automated system including cutting to length, postmark rewinding and double sided, one step sleeve marking.

Integrated with WinTotal marker sleeve/label marking software, it is designed for Tyco wire identification sleeves and selected labels.

Features and benefits

- Simultaneous double-sided laser marking option for marker sleeves saves considerable time and eliminates any margin for error.
- Optional handling system designed to handle several Tyco products.
- Laser marking and cutting for kitting in one integrated step eliminates post print cutting and kitting.
- Virtually no product wastage during marking, thanks to a state of the art product recognition and jogging system.
- Optional scoring and marking feature for label products.
- Modular design for easy placement and re-installation.
- Fully integrated software and hardware.
- On screen diagnostics.
- Meets all relevant US and European laser equipment standards.
- Laser parameters pre-set and software controlled.



Product order code

LMS-9000

Description

Tyco LMS-9000 laser – standard

**Please contact your local Tyco representative for product configuration per your application.*

Thermal transfer ribbons



RHD

Tyco RHD is a high durability black resin thermal transfer ribbon tested and approved for use on Tyco thermal transfer printable pressure sensitive labels. See right for compatible materials. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width*	110 mm (4.33 inches)
Ribbon length*	300 meters (984 feet)
Ink	Resin
Standard colour*	Black
Ribbon wind direction	Ink side out
Compatible printers	T308S, T312S, T312M, T408M
Compatible materials	CP, HM, HPK, HW, MP, MV, NC, PVF, TN, TTP, WP

** Available in additional sizes and colours by custom quotation*

Ordering information

Product order code	1330-0607-10
Description	Tyco RHD thermal transfer ribbon for all T300 and T400 printers

RHT

Tyco RHT is a high temperature black resin thermal transfer ribbon tested and approved for use on Tyco thermal transfer printable Kapton® labels. See right for compatible materials. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width*	110 mm (4.33 inches)
Ribbon length*	300 meters (984 feet)
Ink	Resin
Standard colour*	Black
Ribbon wind direction	Ink side out
Compatible printers	T308S, T312S, T312M, T408M
Compatible materials	T1K, T2K, TAK, TSK, T2Y

** Available in additional sizes and colours by custom quotation*

Ordering information

Product order code	1330-0619-10
Description	Tyco RHT thermal transfer ribbon for all T300 and T400 printers

RS

Tyco RS is a high quality black wax thermal transfer ribbon tested and approved for use on Tyco thermal transfer printable paper labels. See right for compatible material. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width*	110 mm (4.33 inches)
Ribbon length*	300 meters (984 feet)
Ink	Wax
Standard colour*	Black
Ribbon wind direction	Ink side out
Compatible printers	T308S, T312S, T312M, T408M
Compatible materials	EP

** Available in additional sizes and colours by custom quotation*

Ordering information

Product order code	1330-0600-10
Description	Tyco RS thermal transfer ribbon for all T300 and T400 printers

3300

Tyco 3300 is a high durability black resin thermal transfer ribbon tested and approved for use on Tyco thermal transfer printable pressure sensitive labels. See right for compatible materials. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width*	110 mm (4.33 inches)
Ribbon length*	300 meters (984 feet)
Ink	Resin
Standard colour*	Black
Ribbon wind direction	Ink side out
Compatible printers	T308S, T312S, T312M, T408M
Compatible materials	CP, HM, HPK, HW, MP, MV, NC, PVF, SB, TN, TTP, TTVF, WP, WV

** Available in additional sizes and colours by custom quotation*

Ordering information

Product order code	1330-3300-10
Description	Tyco 3300 thermal transfer ribbon for all T300 and T400 printers

3300-101TT

Tyco 3300-101TT is a high durability black resin thermal transfer ribbon tested and approved for use on Tyco thermal transfer printable pressure sensitive labels. See right for compatible materials. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width*	110 mm (4.33 inches)
Ribbon length*	91 meters (300 feet)
Ink	Resin
Standard colour*	Black
Ribbon wind direction	Ink side out
Compatible printers	T208M, T212M
Compatible materials	CP, HM, HPK, HW, MP, MV, NC, PVF, SB, TN, TTP, WP, WV

** Available in additional sizes and colours by custom quotation*

Ordering information

Product order code	1330-3300-101TT
Description	Tyco 3300 thermal transfer ribbon for T208M and T212M printers

RJS-4RPSCE

Tyco RJS-4RPSCE is a high durability black resin thermal transfer ribbon tested and approved for use on Tyco TMS-SCE and RPS wire marker sleeve products. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width	114 mm (4.5 inches)
Ribbon length	300 meters (984 feet)
Ink	Resin
Standard colour	Black
Ribbon wind direction	Ink side out
Compatible printers	T312M, T408M
Compatible materials	TMS-SCE, RPS

** Available in additional sizes and colours by custom quotation*

Ordering information

Product order code	TMS-RJS-RIBBON-4RPSCE
Description	Tyco 4RPSCE thermal transfer ribbon for T312M and T408M printers

Thermal transfer ribbons (continued)



101-4RPSCE

Tyco 101-4RPSCE is a high durability black resin thermal transfer ribbon tested and approved for use on Tyco TMS-SCE and RPS wire marker sleeve products. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width	110 mm (4.33 inches)
Ribbon length	91 meters (300 feet)
Ink	Resin
Standard colour	Black
Ribbon wind direction	Ink side out
Compatible printers	T208M, T212M
Compatible materials	TMS-SCE, RPS

Ordering information

Product order code	TMS-101-RIBBON-4RPSCE
Description	Tyco 4RPSCE thermal transfer ribbon for T208M and T212M printers

RJS-4HT

Tyco RJS-4HT is a high temperature black resin thermal transfer ribbon tested and approved for use on Tyco HT-SCE high temperature wire marker sleeve products. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width	114 mm (4.5 inches)
Ribbon length	300 meters (984 feet)
Ink	Resin
Standard colour	Black
Ribbon wind direction	Ink side out
Compatible printers	T312M, T408M
Compatible materials	HT-SCE

Ordering information

Product order code	TMS-RJS-RIBBON-4HT
Description	Tyco 4HT thermal transfer ribbon for T312M and T408M printers

101-4HT

Tyco 101-4HT is a high temperature black resin thermal transfer ribbon tested and approved for use on Tyco HT-SCE high temperature wire marker sleeve products. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width	114 mm (4.5 inches)
Ribbon length	100 meters (328 feet)
Ink	Resin
Standard colour	Black
Ribbon wind direction	Ink side out
Compatible printers	T208M, T212M
Compatible materials	HT-SCE

Ordering information

Product order code	TMS-101-RIBBON-4HT
Description	Tyco 4HT thermal transfer ribbon for T208M and T212M printers

1910

Tyco 1910 is a high durability high contrast resin/wax thermal transfer ribbon tested and approved for use on the HLX-zero halogen cable marker tape and the HXTM-FB rail tags. For guaranteed print performance use with Tyco recommended printers.

General specifications

Ribbon width	110 mm (4.33 inches)
Ribbon length	300 meters (984 feet)
Ink	Resin/wax
Standard colour	Black
Ribbon wind direction	Ink side out
Compatible printers	T312M, T408M
Compatible materials	HLX, HXTM-FB

Ordering information

Product order code	1910-RIBBON-4T300
Description	Tyco 1910 thermal transfer ribbon for T312M and T408M printers

RJS-4ZH

Tyco RJS-4ZH is a high durability black resin thermal transfer ribbon tested and approved for use on Tyco ZH-SCE zero halogen wire marker sleeve products. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width	110 mm (4.33 inches)
Ribbon length	300 meters (984 feet)
Ink	Resin
Standard colour	Black
Ribbon wind direction	Ink side out
Compatible printers	T312M, T408M
Compatible materials	ZH-SCE

Ordering information

Product order code	TMS-RJS-RIBBON-4ZH
Description	Tyco 4ZH thermal transfer ribbon for T312M and T408M printers

101-4ZH

Tyco 101-4ZH is a high durability black resin thermal transfer ribbon tested and approved for use on Tyco ZH-SCE zero halogen wire marker sleeve products. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width	110 mm (4.33 inches)
Ribbon length	91 meters (300 feet)
Ink	Resin
Standard colour	Black
Ribbon wind direction	Ink side out
Compatible printers	T208M, T212M
Compatible materials	ZH-SCE

Ordering information

Product order code	TMS-101-RIBBON-4ZH
Description	Tyco 4ZH thermal transfer ribbon for T208M and T212M printers

1950

Tyco 1950 is a high durability black resin/wax thermal transfer ribbon tested and approved for use on Tyco thermal transfer printable H.S.I. wire marker sleeves and HL cable marker products. See right for compatible materials. For guaranteed print performance and durability use with Tyco recommended compatible printers.

General specifications

Ribbon width	110 mm (4.33 inches)
Ribbon length	300 meters (984 feet)
Ink	Resin/wax
Standard colour	Black
Ribbon wind direction	Ink side out
Compatible printers	T312M
Compatible materials	D-SCE, HC, HL, HLX, HS, HX

Ordering information

Product order code	1950-RIBBON-4T300
Description	Tyco 1950 thermal transfer ribbon for T312M printers

Dot matrix ribbons



RIBBON A

Tyco RIBBON A is a permanent black ink dot matrix ribbon tested and approved for use on Tyco TMS-SCE wire marker sleeves and RMK-6 products on the LQ870 printer. See right for compatible materials.

General specifications

Ink	Standard
Standard colour	Black
Compatible printer	LQ870
Compatible materials	CM-SCE, D-SCE, RMK-6, RPS, TMS-SCE

Ordering information

Product order code	TMS-SYSTEM-SIX-RIBBON-A
Description	Tyco dot matrix Ribbon A for LQ870 printer

RIBBON D

Tyco RIBBON D is a high performance, permanent black ink dot matrix ribbon tested and approved for use on Tyco TMS-SCE wire marker sleeve products on the LQ870 printer. See right for compatible materials.

General specifications

Ink	High performance
Standard colour	Black
Compatible printer	LQ870
Compatible materials	CM-SCE, D-SCE, RPS, TMS-SCE

Ordering information

Product order code	TMS-SIX-RIBBON-D870
Description	Tyco dot matrix Ribbon D for LQ870 printer

QUICK-DRY LQ870

Tyco QUICK-DRY LQ870 is a quick drying indelible black ink dot matrix ribbon tested and approved for use on Tyco dot matrix printable pressure sensitive labels on the LQ870 printer. See right for compatible materials.

General specifications

Ink	RI Quick-Dry
Standard colour	Black
Compatible printer	LQ870
Compatible materials	C, DMVF, E, HLTM, K, M, NMX, PV, T

Ordering information

Product order code	1330-0037-00
Description	Tyco Quick-Dry dot matrix ribbon for LQ870 printer

INSTA-DRY LQ870

Tyco INSTA-DRY LQ870 is an instant drying indelible black ink dot matrix ribbon tested and approved for use on Tyco dot matrix printable pressure sensitive labels on the LQ870 printer. See right for compatible materials.

General specifications

Ink	RF Insta-Dry
Standard colour	Black
Compatible printer	LQ870
Compatible materials	C, DMVF, E, HLTM, K, M, NMX, PV, T

Ordering information

Product order code	1330-0037-06
Description	Tyco Insta-Dry dot matrix ribbon for LQ870 printer

STANDARD AM6310

Tyco STANDARD AM6310 is a permanent black ink dot matrix ribbon tested and approved for use on Tyco wire marker sleeves and cable marker products on the AM6310 printer. See right for compatible materials.

General specifications

Ink	Standard
Standard colour	Black
Compatible printer	AM6310
Compatible materials	CM-SCE, D-SCE, HC, HL, HLTM-FB, HM, HS, RMK-6, RPS, TMS-SCE

Ordering information

Product order code	1892BK04-RIBBON
Description	Tyco standard dot matrix ribbon for AM6310 printer

HIGH-PERF AM6310

Tyco HIGH-PERF AM6310 is a high performance, permanent black ink dot matrix ribbon tested and approved for use on Tyco wire marker sleeves and cable marker products on the AM6310 printer. See right for compatible materials.

General specifications

Ink	High performance
Standard colour	Black
Compatible printer	AM6310
Compatible materials	CM-SCE, D-SCE, HC, HL, HLTM-FB, HL, HM, HS, HX, RMK-6, TMS-SCE

Ordering information

Product order code	1892BK03-HIGH-PERF-RIBBON
Description	Tyco high performance dot matrix ribbon for AM6310 printer

QUICK-DRY AM6310

Tyco QUICK-DRY AM6310 is a quick drying indelible black ink dot matrix ribbon tested and approved for use on Tyco dot matrix printable pressure sensitive labels on the AM6310 printer. See right for compatible materials.

General specifications

Ink	RI Quick-Dry
Standard colour	Black
Compatible printer	AM6310
Compatible materials	C, DMVF, E, HLTM, HPC, HPTM, K, M, NMIX, PV, T

Ordering information

Product order code	1892BK01
Description	Tyco Quick-Dry dot matrix ribbon for AM6310 printer

INSTA-DRY AM6310

Tyco INSTA-DRY AM6310 is an instant drying indelible black ink dot matrix ribbon tested and approved for use on Tyco dot matrix printable pressure sensitive labels on the AM6310 printer. See right for compatible materials.

General specifications

Ink	RF Insta-Dry
Standard colour	Black
Compatible printer	AM6310
Compatible materials	C, DMVF, E, HLTM, HPC, HPTM, K, M, NMIX, PV, T

Ordering information

Product order code	1892BK02
Description	Tyco Insta-Dry dot matrix ribbon for AM6310 printer

WinTotal

Wire marker and label printing software

WinTotal software is a powerful 32bit label/marker design package that makes wire marker printing simple in an industrial environment. Running in the familiar Windows environment, the package is pre-loaded with all the Tyco wire identification products to facilitate marker design. The software features a highly graphical user interface to simplify operator training and minimize errors. The Windows environment gives access to a huge array of font options, including non-English fonts such as Chinese, Japanese and Hebrew (when used with appropriate operating systems or add-on software), and also allows simple importing and manipulation of graphics and logos. Bar code printing is available.

WinTotal software supports all common wire identification needs, including:

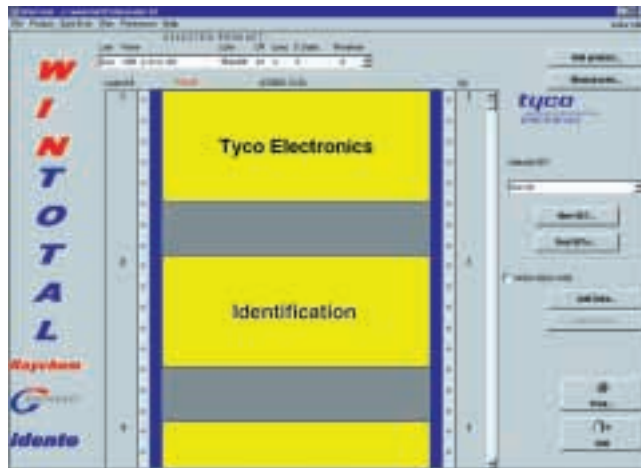
- Manual printing
- Automatic set printing from spreadsheets, databases or other CAD systems (including Tyco's Harnware™ harness design software package)
- Incremental alpha and numeric fields
- Double-sided marker printing
- Automatic or manual routing or multiple printers
- Paper output option
- Wraparound marker production
- User-defined products
- Programmable buttons for repeated data insertion

The software can be password protected at different levels to prevent unauthorised use, and can be run on networked computers so that the design function can be separated from printing. The display can be set to several different languages, and a full on-screen Help function is incorporated.

Running behind the simple WinTotal user interface is a powerful label-making package, so the software can be used to design and print general labeling applications such as rating plates and shipping labels.

Features and benefits

- Powerful wire marker design and print software.
- Familiar Windows user environment.
- Pre-loaded with Tyco identification products.
- Powerful import and export functions: reads wire lists from spreadsheets, databases and text files from CAD systems.
- Printer multi-tasking.
- Multiple on-screen languages.



Label design

- WYSIWYG label design and display.
- Align text left, right, justified or center.
- Built-in printer font support.
- Windows True Type fonts.
- Lines, boxes and graphic images.
- Resize, rotate and stretch text, graphics and bar codes.
- Thumbnail preview of saved labels.

Printing

- Set and batch printing capabilities.
- Multiple application port printing (MAPP).
- Double sided marker printing.
- Local or network printer support.
- Number of identical or serialized copies selectable from database.

Serialization

- Increment or decrement by any interval.
- Numeric, alphanumeric and custom base serialization.

Database options

- Microsoft ODBC support, including: Access, Excel and dBase.
- ASCII text files.
- AutoCad importing.

Data management

- Visual Basic scripting for custom data processing.
- Shareable data fields.
- Multiple products within one set or batch.

Minimum recommended computer configuration

Computer	IBM-compatible PC
Processor	Intel Pentium™ processor, 400 MHZ minimum
RAM	64 MB minimum (128 MB for Windows™ NT / 2000 and XP)
Operating system	Windows™ 95, 98, ME, NT, 2000 or XP
Disk space required	15 MB minimum

Other technical information

Barcode types	Codabar, code 39, code 93, code 128, EAN-13, EAN-8, UPC-E, Interleaved 2/5, ITF (DUN 14)
Company logo or graphics	Can be imported in BMP, PCX, MSP, WMF, JPG, JIF, GIF formats
Text and graphics	Can be rotated, moved or resized

Ordering information

Ordering description	Product description
TMS-WINTOTAL-SWARE	Tyco Wire Marker Printing Software – Windows, 32 bit

PrintEasy

Label printing software

Tyco PrintEasy is a powerful yet easy to use Windows based label design and printing software. With PrintEasy you can quickly and easily combine bar codes, text and graphics into professional quality labels. Carefully organized menus and pop-up dialogs display all your options in plain, easy to understand words. The true WYSIWYG display allows you to create and view your labels with precision, giving you total control over your labels' appearance before printing. PrintEasy is ideal for use with the Tyco range of thermal transfer printable pressure sensitive label products. PrintEasy is pre-loaded with all of Tyco's standard thermal transfer label templates, which allows you to simply select the Tyco part number you want to print and you are ready to go!

Features & benefits

Support

- Free technical support.
- OS Support: Windows 95, 98, ME, NT, 2000, XP.
- International language support.

Label design

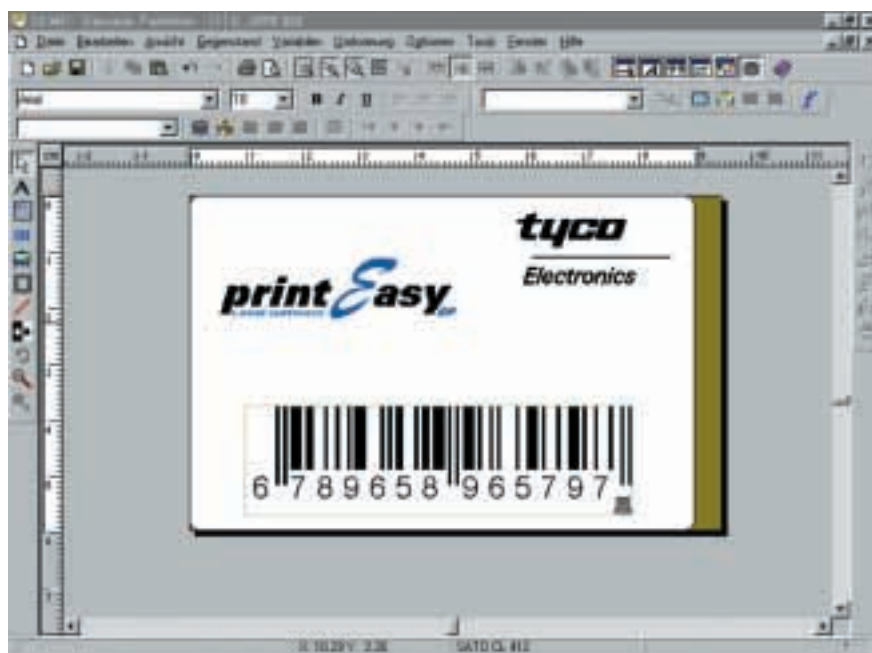
- True WYSIWYG label design and display.
- Built-in printer font support.
- Windows True Type fonts.
- Reverse (white on black) text printing.
- Align text left, right, justified or center.
- Unlimited Undo/Redo command.
- Lines, boxes and graphic images.
- Import graphics in BMP, JPG, TIF, PCX, DCX, DIB, EPS and others.
- Resize, rotate and stretch objects.
- Thumbnail preview of saved labels.
- Metric and US measurement systems.

Bar codes

- Numerous 1D and 2D symbologies.
- Unlimited width and height.
- Sequentially numbered bar codes.
- Place characters above or below bar codes or do not print.
- Option to display Start/Stop characters.

Printing

- Printer-based bar codes and serial numbers.
- Speed optimization using repetitive data control.
- Local or network printer support.
- Performance-enhancing printer controlled serialization.
- Number of identical or serialized copies selectable from database.



Serialization

- Increment or decrement by any interval.
- Separate Rollover/Rollunder and Value Reset options.
- Preserve or expand field length when rolling over.
- Numeric, alphanumeric and custom base serialization.

Database options

- Microsoft ODBC support, including: Access, Btrieve, dBase, Excel, Oracle, Paradox, Clipper, FoxPro, Interbase and more.
- ASCII text files.
- SAP (mySAP.com and R/3).
- Versatile multiple-table data access.
- Import variable graphics from databases.
- Data query wizard.
- Individual record-picking at print time.

Data management

- Visual Basic scripting for custom data processing.
- User-definable minimum and maximum field lengths.
- Customizable data-entry filters and error checking.
- Multi-data source selection per label object.
- Easy entry of special and unprintable control characters.
- Shareable data fields.
- Customizable message box handling.

Integration

- Command line interface option.
- Pre-loadable into "background" to avoid start-up delays.
- Dynamically selectable label formats and data sources.
- Error logging.

Ordering information

Ordering description	Product description
Print Easy Basic	Tyco Label Printing Software – Windows, 32 bit Pro Version for office printers
Print Easy ECC4	Tyco Label Printing Software – Windows, 32 bit Pro Version for office printers and T208M
Print Easy Pro	Tyco Label Printing Software – Windows, 32 bit Pro Version, full thermal transfer support
Print Easy Suite	Tyco Label Printing Software – Windows, 32 bit Pro Version, full thermal transfer support with add. modules
Print Easy Netxx	Tyco Enhanced Label Printing Software – Network Version for 5, 10 and more users

AAS-9000

*Integrated label printer
and applicator*

The AAS-9000 is an easy-to-maintain, high-throughput label printer and applicator in one. Its simple design assures maximum up-time and a 600 dpi printer provides print-on-demand for bar codes, graphics and symbols, as well as automatic serialization and automatic date coding. The AAS-9000 has a SMEMA-compatible conveyor with width adjustable to 10 inches.

Features and benefits

- Board stacker and de-stacker.
- 90° tamp head rotation.
- Expanded conveyor width to 18 inches.
- Network interface.
- Label server.
- Desktop label creation and management software.
- Print on demand.
- Barcodes.
- 2D graphics.

Options

- In-line, batch, or manual feed.
- Host computer, network interface.
- Optional label creations software.
- Barcode/2D scanner verification.
- Optional multi-head label printing and application for enhanced throughput.

Ordering description

AAS-9000

Product description

Tyco AAS-9000 label printer and applicator

Please contact your local Tyco representative for product configuration per your application.



AWS-9000

*Integrated label printer and
cable/wire/tube wrap labeler*

Used for cable, wire and tag identification, the AWS-9000 automatically prints and wraps the media around wires, cables and tubing. The labeler easily integrates into existing cable and wire processing lines. The system is equipped with an off-line feature that can be used in semi-automatic feed mode.

Features and benefits

- Computer wrapping system and software.
- Accurate, repeatable application of self-laminating labels.
- High quality print using a 600 dpi thermal printer.
- Print on demand.
- Eliminates various workstations and process steps.

Options

- In-line, batch, or manual feed.
- Integrated wire/cable processing line.
- Dereelers, reelers, tensioner, dancer.
- Host computer, network interface.
- Optional label creations software.
- Bar code/2D scanner verification.

Ordering description

AWS-9000

Product description

Tyco AWS-9000 cable/wire/tube wrap labeler
Please contact your local Tyco representative for product configuration per your application.



Hot Air Gun

The Tyco Hot Air Gun is an electronic heating tool with adjustable heat settings from +48°C to +594°C (+120°F to +1100°F), and automatic temperature control for precise temperature output. It is ideal for use with the Tyco range of TMS and H.S.I. heat shrinkable wire marker sleeves. This Hot Air Gun is lightweight in design with easy, quiet operation. The ceramic encapsulated heating element provides exceptional durability and long life.

Optional accessories are available for added convenience and efficiency.

Specifications

120 V power requirement	120 V, 60 Hz, 12.5 A
230 V power requirement	230 V, 50 Hz, 8.7 A
Rated heater element power	1500 W
Weight	850 g (1.9 lb)
Cord length	2.4 m (8 ft)
Typical temperature output	+49°C to +593°C +120°F to +1100°F



Ordering information

Ordering description	Product description
HL1802E-KIT-120V	Hot Air Gun kit, 120 V Power and Reflector Accessory (small)
HL1802E-KIT-230V	Hot Air Gun kit, 230 V Power and Reflector Accessory (small)

Optional accessories and replacement parts

HL1802E-BENCH-STD	Bench stand, clip-on
HL1802E-074616	Reflector nozzle, for small diameter sleeves/tubing
HL1802E-070519	Reflector nozzle, for large diameter sleeves/tubing
HL1802E-070618	Reduction nozzle (9 mm), for pinpoint air-flow control

PRE-PRINT SERVICES

Pre-Print Services117



PERMARK®

Permark®118



RAIL—SIGNAL PRODUCTS

HPTM120

HPKTM122

HLTM-FB124



TUBE AND PIPE ID LABELS

TP Tape126



www.tycoident.com

www.tycoident.com

Pre-print services

Preprinted bar code labels

Since 1986 we've met the diverse needs of commercial, industrial, governmental and institutional customers by providing innovative solutions to their unique bar code label requirements. Solutions include custom sizes, colours, graphics, laminations, special adhesives, die-cuts and original creative designs.

Quality materials

Tyco Electronics Identification buys master rolls of label stock and converts it to meet the needs of our customers. Our purchasing power, combined with our converting capabilities, allows us to provide the highest quality materials at great prices.

Sequential number tracking

If your application requires sequential numbering, Tyco will keep an automated log of sequence numbers printed for each order. Even if you have an assortment of labels, multiple locations, or use subcontractors to produce your product, we will insure that there are no duplicate numbers printed – guaranteed!

Production proofs

For every new label job, Tyco will provide a paper copy/electronic proof of your label prior to running the job. This allows you to review and approve the size, layout and graphics on the label prior to a full production run.

20 step quality check

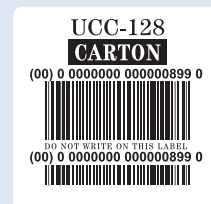
Tyco enforces more than 20 quality checks during the manufacturing and quality assurance processes: these quality checks include many automated tests with state of the art equipment. We test every roll of labels for readability, accuracy and scan rates and we will not ship any labels that do not pass our quality assurance tests.

For more information, contact a
Tyco customer service representative at:

1-800-430-7226



High Temperature Harsh
Environment Circuit Board



Pallet/Carton



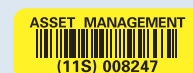
Colour Coded



Product ID



Security



Asset Tag

Vertical
Rack

Signs
&
Magnetic
Labels
Also
Available



Permark® 316

Tyco Permark 316 stainless steel markers are recommended for marking in hostile environments. 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. Permark® markers are produced to individual customer requirements on a fast turn-around basis with the flexible and easy-to-use Permark software that allows electronic or manual data entry. Completed markers are supplied in customer defined kits for ease of installation. We recommend installation with 316 stainless steel cable ties.

Features and benefits

- Pre-marked to customer requirements.
- Customer-defined kits for ease of installation.
- Excellent character legibility.
- One-piece, 316 stainless steel construction.
- Variety of fixing methods.
- Mark will endure the lifetime of a Permark S/S 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 and inorganic salts. For resistance to a specific chemical, contact your local Tyco representative.



Temperature rating

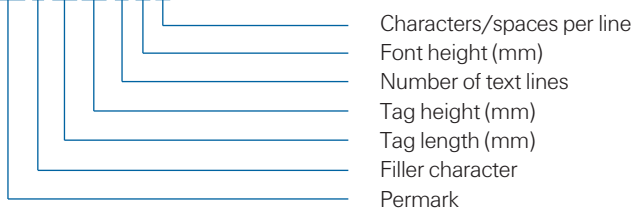
Operating temperature range -80°C to $+500^{\circ}\text{C}$ -112°F to $+932^{\circ}\text{F}$

Printer information

Pre-printed per customer requirements.

Part numbering system

PM 0 7507-1-4-5



Available sizes and formats

Ordering description	Product description	Size (L x H)		Printable area (L x H)	
		mm	inches	mm	inches
PM09512-<# text lines><# characters>	Pre-marked 316 S/S marker	95 x 12	3.74 x 0.47	55 x 10	2.16 x 0.40

Options

Fonts	Various available
Lines per marker	One, two or three (Determined by selected font height. Minimum 1 mm / 0.04" spacing between lines.)
Saddle fixings	13 mm L x 2.4 mm H (0.51" L x 0.09" H)
Hole fixings	7 mm (0.28")
Standard colours	Metallic

Font heights	Characters per line	
	Standard	Condensed
2.5 mm (0.10")	30	N/A
3.0 mm (0.12")	25	N/A
4.0 mm (0.16")	20	30
5.0 mm (0.20")	15	25
6.0 mm (0.24")	15	25
8.0 mm (0.31")	10	20
10.0 mm (0.40")	10	15

Available sizes and formats

Ordering description	Product description	Size (L x H)		Printable area (L x H)	
		mm	inches	mm	inches
PM07507-1-<# characters>	Pre-marked 316 S/S marker	75 x 7	2.95 x 0.28	50 x 5	1.6 x 0.20

Options

Fonts	Various available
Lines per marker	One only
Saddle fixings	9.5 mm L x 2.4 mm H (0.37" L x 0.09" H)
Hole fixings	None
Standard colours	Metallic

Font heights	Characters per line	
	Standard	Condensed
4.0 mm (0.16")	15	25
5.0 mm (0.20")	10	20

HPTM

Adhesive rail terminal tags for dot matrix printing

Tyco HPTM is a specially formulated heavy gauge fabric material with a high tack permanent acrylic adhesive, designed for applications in control panel backboards for rail signal circuit identification.

The standard 1.0" hole pitch design meets AAR terminal post specifications and makes installation fast and convenient.

HPTM adheres to most smooth surfaces including bare and painted metal, as well as painted plywood used for rail signal terminal boards. It is resistant to common fluids, lubricants and solvents.

For guaranteed print performance and durability, use with Tyco's RI Quick-Dry series ribbon.

Features and benefits

- Specially formulated fabric material with exceptional tear strength.
- Dot matrix printable.
- Performance exceeds military specs.
- High-performance acrylic adhesive.



Temperature rating

Operating temperature range	−40°C to +80°C	−40°F to +176°F
Minimum application temperature	+10°C	+50°F

Specifications/approvals

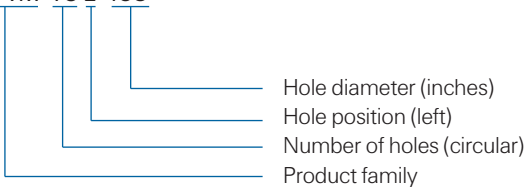
Military	SAE AS8153 1 4.6.2 MIL-STD-202F method 2 15J
Industry	AAR Terminal Post

Printer information

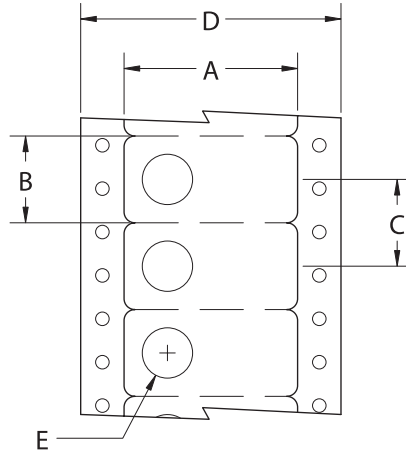
Tyco printer	AM6310 (dot matrix)
Tyco ribbon	1892BK04 (dot matrix) 1892BK03 (dot matrix – high performance)

Part numbering system

HPTM- 1C L- 438



Ordering information



Available sizes and formats

Ordering description	Hole position	(A) Tag width		(B) Tag height		(C) Vertical repeat		(D) Web width		(E) Hole diameter	
		mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
HPTM1CL-312	Left	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	7.90	0.312
HPTM1CR-312	Right	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	7.90	0.312
HPTM1CL-438	Left	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	11.10	0.438
HPTM1CR-438	Right	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	11.10	0.438
HPTM1CL-500	Left	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	12.70	0.500
HPTM1CR-500	Right	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	12.70	0.500

Options

Package sizes	Standard	1000 piece pack
Colours	Standard	White

HPKTM

Adhesive-backed polypropylene rail terminal board tags for thermal transfer printing

Tyco HPKTM is a semi-rigid polypropylene film with a permanent acrylic adhesive that is designed for application to control panel backboards for rail signal circuit identification. The standard 1.0" hole pitch design meets AAR terminal post specifications and makes installation fast and convenient. HPKTM adheres to most smooth surfaces including bare and painted metal, as well as painted plywood used for rail signal terminal boards. It is resistant to common fluids, lubricants and solvents. For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

Features and benefits

- Self-adhesive backing for quick and easy fixing.
- Thermal transfer printable.
- Recommended for indoor use.
- Resistant to common fluids, lubricants and solvents.



Temperature rating

Operating temperature range	−29°C to +80°C	−24°F to +176°F
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Specifications/approvals

Industry	AAR Terminal Post
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Printer information

Tyco printer	T308S* (thermal transfer) T312M* (thermal transfer)
Tyco ribbon	1330-0607-10* (thermal transfer)

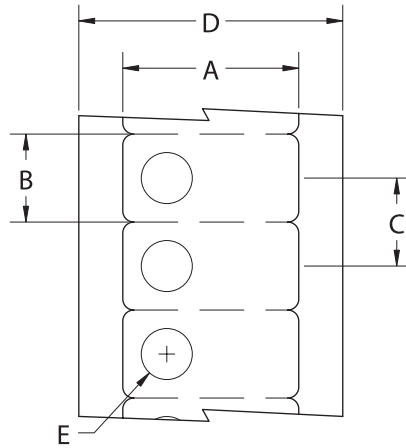
**Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.*

Part numbering system

HPKTM 1C L - 312

Hole diameter (in)
Hole position (left)
Number of holes (circular)
Product family

Ordering information



Available sizes and formats

Ordering description	Hole position	(A) Tag width		(B) Tag height		(C) Vertical repeat		(D) Web width		(E) Hole diameter	
		mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
HPKTM1CL-312	Left	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	7.90	0.312
HPKTM1CR-312	Right	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	7.90	0.312
HPKTM1CL-438	Left	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	11.10	0.438
HPKTM1CR-438	Right	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	11.10	0.438
HPKTM1CL-500	Left	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	12.70	0.500
HPKTM1CR-500	Right	38.10	1.500	25.40	1.000	25.40	1.000	76.20	3.000	12.70	0.500

Additional sizes and formats available by custom quotation.

Options

Package size	1,000 piece pack	
Colours	Standard	White

HLTM-FB/HXTM-FB

Non-adhesive-backed polyolefin rail terminal board tags for thermal transfer and dot matrix printing

Tyco HLTM-FB/HXTM-FB is a semi-rigid, heavy gauge crosslinked polyolefin material without an adhesive backing, designed for use in a variety of applications including terminal post and terminal board signal circuit identification. The heavy gauge thickness is ideal for applications requiring exceptional durability. Mark permanence exceeds military requirements. They are resistant to common fluids, lubricants, solvents and abrasion. For guaranteed print performance and durability, use with Tyco approved printers and ribbons.

Features and benefits

- Specially formulated polyolefin material.
- Flame retardant.
- Resistant to common fluids, lubricants and solvents.
- Dot matrix (HLTM-FB) or thermal transfer (HXTM-FB) printable.
- Print performance exceeds military standards.



Temperature rating

Operating temperature range			
HLTM-FB	−55°C to +135°C	−67°F to +275°F	
HXTM-FB	−30°C to +105°C	−22°F to +221°F	

Specifications/approvals

Military	SAE AS8153 1 4.6.2
	MIL-STD-202F Method 215J

Printer information

Tyco printer	HLTM-FB	AM6310* (dot matrix)
	HXTM-FB	T312M (thermal transfer)
Tyco ribbon	HLTM-FB	1892BK04* (dot matrix)
	HXTM-FB	1910-RIBBON-4T300 (thermal transfer)

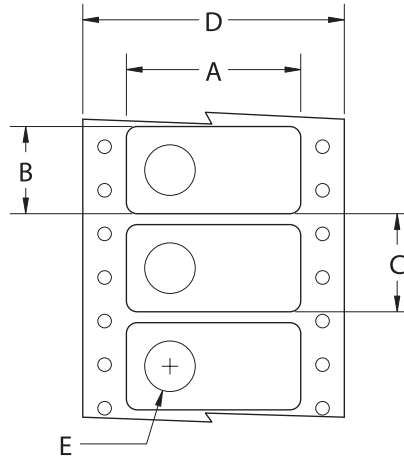
**Alternative printers and ribbons are available for special applications. Contact Tyco Electronics Identification for more information.*

Part numbering system

HLTM1FB-312



Ordering information



Available sizes and formats

Ordering description	Hole position	(A) Tag width		(B) Tag height		(C) Vertical repeat		(D) Web width		(E) Hole diameter	
		mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
H<format>TM1FB<colour>-312	Left*	38.10	1.500	22.20	0.875	25.40	1.000	127.00	5.000	7.90	0.312
H<format>TM1FB<colour>-438	Left*	38.10	1.500	22.90	0.900	25.40	1.000	127.00	5.000	11.00	0.438
H<format>TM1FB<colour>-500	Left*	38.10	1.500	22.20	0.875	25.40	1.000	127.00	5.000	12.70	0.500
H<format>TM1FB<colour>-625**	Left*	38.10	1.500	25.40	1.000	50.80	2.000	127.00	5.000	15.90	0.625

* Hole position is versatile (left or right) on HLTM-FB series tags.
Additional sizes and formats available by custom quotation.

Options

Package sizes	Standard	550 piece pack	**300 piece pack (HLTM1FB625/HXTM1FB625)
Colours	Standard (YW)	White (WE)	Yellow (YW)
Format	L	For dot matrix printable	
	X	For thermal transfer printable	

Ordering example: HTLM1FBWE-312

TP Tape

High-performance colour-coded cost saving system for tube and pipe identification

The system is designed for use as a thermal transfer printable, self-laminating identification for the various types of tubes in the aerospace, defense and marine industry. Made from polyester with a permanent acrylic adhesive, this cost saving system allows you to print on a unique range of pre colour-coded labels on demand and eliminates the use and maintenance of paints, stencils, hot-stamps and etching tools. The system even does the job in a fraction of the time compared to similar technologies.

Features and benefits

- Continuous operating temperature of -40°C to $+163^{\circ}\text{C}$ (-40°F to $+325^{\circ}\text{F}$).
- Resists exposure to water, oil, conventional cleaning agents, oil-based solvents and other fluids commonly associated with commercial and military aircraft.
- Colour coded to meet MIL-STD-595B requirements.
- Meets MIL-STD-1247 standards for hydraulic lines, fuel lines, oxygen lines, inerting fluid lines, etc.
- Performance tested to RW 2068, a punishing standard for aggressive fluid and temperature resistance in military and commercial aircraft.
- Available in die-cut or continuous formats to cover all ranges of tube diameters.
- Die-cut version available in white or yellow printable area.
- Continuous version available in white* or clear printable area.

**To be used only with TP-CLEAR-CONT over-laminating product*



Temperature rating

Operating temperature range	-40°C to $+163^{\circ}\text{C}$	-40°F to $+325^{\circ}\text{F}$
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Specifications/approvals

Tyco	RW 2068
Military	MIL-T-9906C (except initial peel)
	MIL-STD-595B
	MIL-STD-1247
	MIL-STD-101B

Printer information

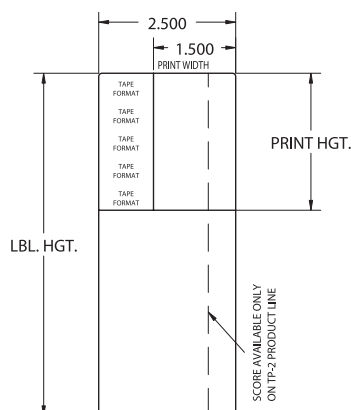
Tyco printer	T312M (thermal transfer)
Tyco ribbon	1330-0617-10 (thermal transfer)

Part numbering system

TP3 - PNEU - 1.250

- Size (1.250: for tube with OD of 1.250")
- Tube type (PNEU: for pneumatic lines)
- Product type (TP3: TP Tape type 3, 1.1 turns of printable legend around tube)

Ordering information



Available sizes and formats

Order description	Printer type	Label width		Fits tube diameter		Labels per pack
		mm	inches	mm	inches	
TP<format>-(XXXX)-0.188	Thermal	63.50	2.500	4.77	0.188	2500
TP<format>-(XXXX)-0.250	Thermal	63.50	2.500	6.35	0.250	2000
TP<format>-(XXXX)-0.312	Thermal	63.50	2.500	7.92	0.312	2000
TP<format>-(XXXX)-0.375	Thermal	63.50	2.500	9.52	0.375	1500
TP<format>-(XXXX)-0.500	Thermal	63.50	2.500	12.70	0.500	1500
TP<format>-(XXXX)-0.625	Thermal	63.50	2.500	15.88	0.625	1000
TP<format>-(XXXX)-0.750	Thermal	63.50	2.500	19.05	0.750	1000
TP<format>-(XXXX)-0.875	Thermal	63.50	2.500	22.21	0.875	750
TP<format>-(XXXX)-1.000	Thermal	63.50	2.500	25.40	1.000	750
TP<format>-(XXXX)-1.125	Thermal	63.50	2.500	28.58	1.125	500
TP<format>-(XXXX)-1.250	Thermal	63.50	2.500	31.75	1.250	500
TP<format>-(XXXX)-1.375	Thermal	63.50	2.500	34.93	1.375	500
TP<format>-(XXXX)-1.500	Thermal	63.50	2.500	38.10	1.500	500
TP<format>-(XXXX)-1.625	Thermal	63.50	2.500	41.28	1.625	400
TP<format>-(XXXX)-1.750	Thermal	63.50	2.500	44.45	1.750	400
TP<format>-(XXXX)-CONT	Thermal	63.50	2.500	50.80+	2.000+	100 ft continuous

Options

Format	None	Standard TP Tape
2		For a slit at 2 inches from the left edge (total width 2" instead of 2.5")
3		For 1.1 turns of colour-coded label around the pipe instead of 1.5 turns
4		For white printable area instead of yellow
WE		For white/slit product for European markets, use order description: TP-WE(XXXX)ST-(size)

Identification code (XXXX)

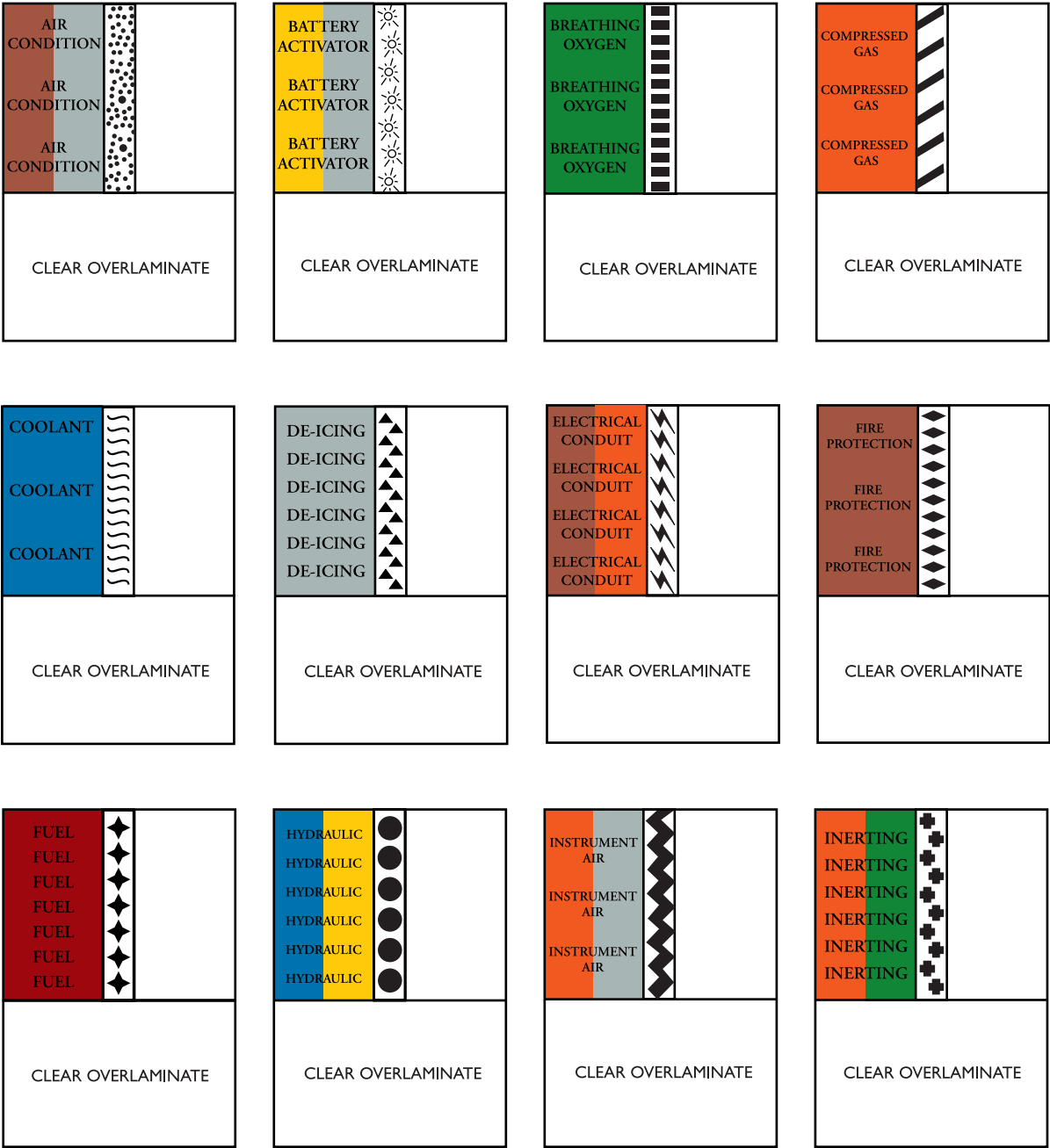
AIRCON	Air conditioning	HYDRO	Hydraulic	PYRO	Pyrotechnic
BATACT	Battery activator	INAIR	Instrument air	RAIN	Rain repellent
COMGAS	Compressed gas	INERT	Inert fluid	RCAT	Rocket catalyst
COOL	Coolant	LUBE	Lubrication	RFUEL	Rocket fuel
DEICE	Deicing fluid	MC	Miscellaneous	ROXI	Rocket oxidizer
ELECT	Electrical conduit	MONO	Mono propellant	SOLV	Solvent
FIRE	Fire protection	OXYGEN	Breathing oxygen	VAC	Vacuum
FUEL	Fuel	PNEU	Pneumatic	WATER	Water injection

TP Tape (continued)

Tube line self-laminating labels
for thermal transfer printing

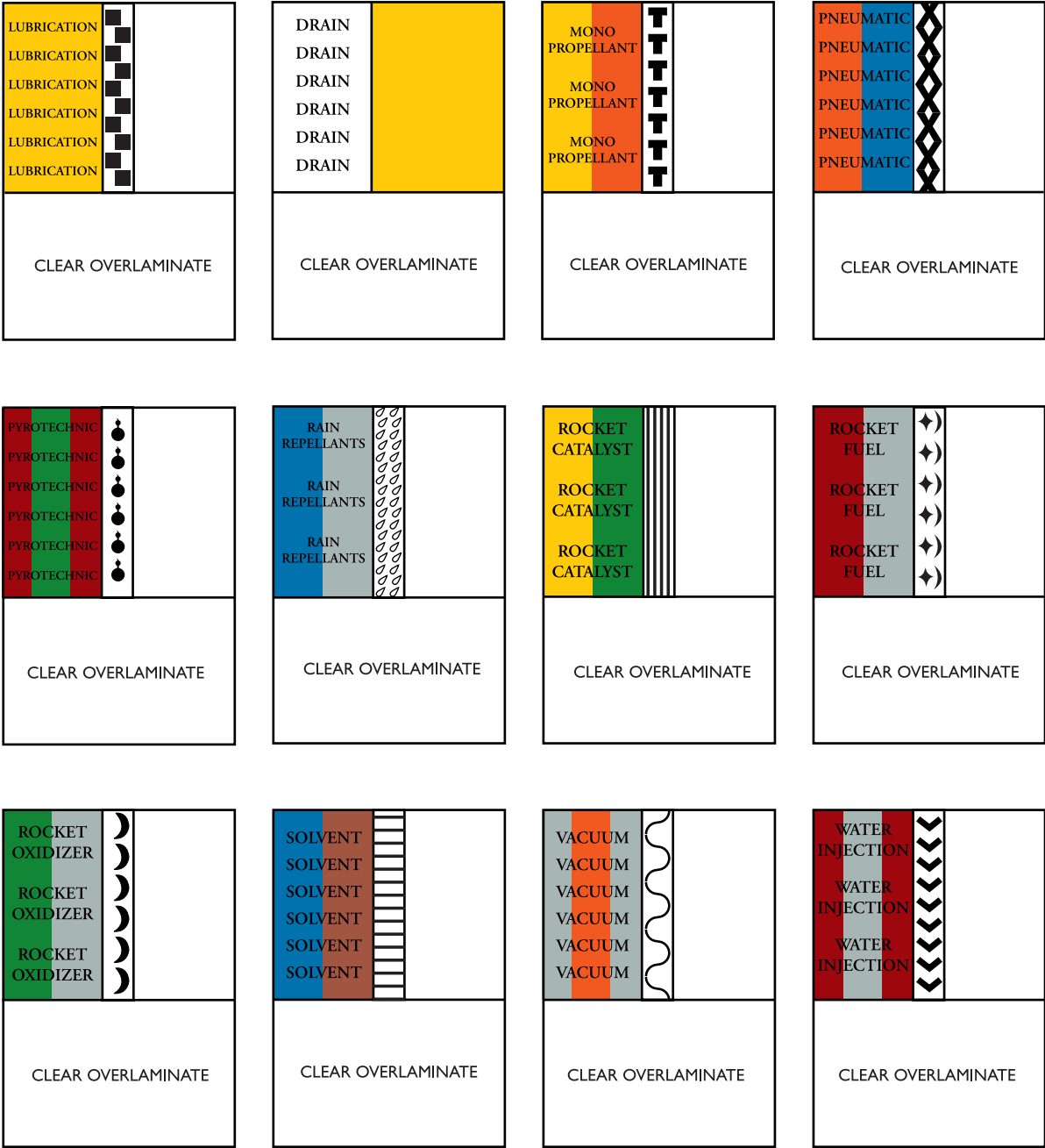
Colours	Brown	Red	Orange	Yellow	Green
Code	10076	11136	12197	13655	14187

Colours conform to Federal Standard FED-STD-595B
Die cut format of TP Tape does not have respective legends printed. Continuous format does.



Colours	Blue	Grey	Black	White	Pink	Light Green
Code	15102	16473	17038	17925	21668	24664

Colours conform to Federal Standard FED-STD-595B
 Die cut format of TP Tape does not have respective legends printed. Continuous format does.



Printer/material/ribbon compatibility cross reference

Printer	Compatible materials	Standard ribbon
T312M	TMS-SCE	TMS-RJS-RIBBON-4RPSCE
	RPS	TMS-RJS-RIBBON-4RPSCE
	HT-SCE	TMS-RJS-RIBBON-4HT
	ZH-SCE	TMS-RJS-RIBBON-4ZH
	D-SCE	1950-RIBBON-4T300
	HS/HC	1950-RIBBON-4T300
	HX	1950-RIBBON-4T300
	HL	TMS-RJS-RIBBON-4RPSCE
	HLX	1910-RIBBON-4T300
	HXTM-FB	1910-RIBBON-4T300
	HPK	1330-0607-10
	HPKTM	1330-0607-10
	HLTM	1330-0607-10
	TP tape	1330-3300-10
	Tedlar® (TTVF)	1330-3300-10
	Decals (TTP)	1330-3300-10
	Self-lams (SB/PVF)	1330-3300-10
	Kapton® (T1K/T2K/TSK)	1330-0619-10
	Nylon cloth (NC)	1330-0607-10
	Polyesters (WP/MP/CP/HW/HM/MV)	1330-0607-10
	Destructible polyethylene (TN)	1330-0607-10
	White vinyl (WV)	1330-3300-10
	Paper (EP)	1330-0600-10
T308S or T312S	Self-lams (SB/PVF)	1330-3300-10
	Polyesters (WP/MP/CP/HW/HM/MV)	1330-0607-10
	Kapton® (T1K/T2K/TSK)	1330-0619-10
	Tedlar® (TTVF)	1330-3300-10
	TP tape	1330-3300-10
	HPK	1330-0607-10
	HPKTM	1330-0607-10
	HLTM	1330-0607-10
	Decals (TTP)	1330-3300-10
	Nylon cloth (NC)	1330-0607-10
	Destructible polyethylene (TN)	1330-0607-10
	White vinyl (WV)	1330-3300-10
	Paper (EP)	1330-0600-10
T208M or T212M	TMS-SCE	TMS-101-RIBBON-4RPSCE
	RPS	TMS-101-RIBBON-4RPSCE
	HT-SCE	TMS-101-RIBBON-HT
	ZH-SCE	TMS-101-RIBBON-4ZH
	D-SCE	TMS-101-RIBBON-4DSCE
	HPK	1330-3300-101TT
	Tedlar® (TTVF)	1330-3300-101TT
	Decals (TTP)	1330-3300-101TT
	Self-lams (SB/PVF)	1330-3300-101TT
	Nylon cloth (NC)	1330-3300-101TT
	Polyesters (WP/MP/CP/HW/HM/MV)	1330-3300-101TT
	Destructible polyethylene (TN)	1330-3300-101TT
	White vinyl (WV)	1330-3300-101TT

Printer	Compatible materials	Standard ribbon
T408M	TMS-SCE	TMS-RJS-RIBBON-4RPSCE
	RPS	TMS-RJS-RIBBON-4RPSCE
	HT-SCE	TMS-RJS-RIBBON-4HT
	ZH-SCE	TMS-RJS-RIBBON-4ZH
	D-SCE	TMS-RJS-RIBBON-4DSCE
	HL	TMS-RJS-RIBBON-4RPSCE
	HLX	1910-RIBBON-4T300
	HXTM-FB	1910-RIBBON-4T300
	Self-lams (SB/PVF)	1330-3300-10
	Polyesters (WP/MP/CP/HW/HM/MV)	1330-0607-10
	Kapton® (T1K/T2K/TSK)	1330-0619-10
	Tedlar® (TTVF)	1330-3300-10
	TP tape	1330-3300-10
	HPK	1330-0607-10
	HPKTM	1330-0607-10
	HLTM	1330-0607-10
	Decals (TTP)	1330-3300-10
	Nylon cloth (NC)	1330-0607-10
	Destructible polyethylene (TN)	1330-0607-10
	White vinyl (WV)	1330-3300-10
	Paper (EP)	1330-0600-10
AM 6310	TMS-SCE	1892BK04-RIBBON
	RPS	1892BK04-RIBBON
	D-SCE	1892BK04-RIBBON
	CM-SCE	1892BK04-RIBBON
	HS/HC	1892BK04-RIBBON
	HX	1892BK03-HIGH-PERF-RIBBON
	HL	1892BK04-RIBBON
	HM	1892BK04-RIBBON
	NMX	1892BK01
	RMK-6	1892BK04-RIBBON
	HPC	1892BK01
	HLTM	1892BK01
	HPTM	1892BK01
	HLTM-FB	1892BK04-RIBBON
	Tedlar® (DMVF)	1892BK01
	Self-lams (TW/PV)	1892BK01
	Kapton® (K)	1892BK01
	Vinyl cloth (CW)	1892BK01
	Polyesters (E/M)	1892BK01
LQ870	TMS-SCE	TMS-SYSTEM-SIX-RIBBON-A
	RPS	TMS-SYSTEM-SIX-RIBBON-A
	D-SCE	TMS-SYSTEM-SIX-RIBBON-A
	CM-SCE	TMS-SYSTEM-SIX-RIBBON-A
	NMX	1330-0037-00
	RMK-6	TMS-SYSTEM-SIX-RIBBON-A
	Tedlar® (DMVF)	1330-0037-00
	Self-lams (TW/PV)	1330-0037-00
	Kapton® (K)	1330-0037-00
	Vinyl cloth (CW)	1300-0037-00
	Polyesters (E/M)	1330-0037-00
QLS-2001	TMS-SCE	TMS-RJS-RIBBON-4RPSCE
	RPS	TMS-RJS-RIBBON-4RPSCE
	ZH-SCE	TMS-RJS-RIBBON-4ZH
	HT-SCE	TMS-RJS-RIBBON-4HT
	D-SCE	TMS-RJS-RIBBON-4DSCE

Master materials specification cross reference

Label ID products

Tyco material	Material (Brand Name)	Colour	Temperature range °C °F		Print technology	Recommended application
C	Polyvinyl fluoride coated cloth	White	-29°C to +80°C	-20°F to +176°F	Dot matrix	Vinyl coated cloth tape with an aggressive adhesive system. For general use in permanent and removable applications. High material strength facilitates easy, clean removal of tape and adhesive. Easy to write on. Excellent resistance to oil, water and humidity. Less than 0.05% UV transmissibility. Clean adhesive removal within one year.
M	Polyester	Silver	-53°C to +93°C	-65°F to +200°F	Dot matrix	Ideal for rating plate applications, graphic symbol identifiers and users who desire a metalised programmable device label. The matte ink receptive coating and Tyco ribbon provide high integrity marking in a variety of environments. Allows less than 0.01% UV transmissibility. UL Listed and CSA Certified.
K	Polyimide	Oyster	-40°C to +260°C	-40°F to +500°F	Dot matrix	Ideal for label requirements on circuit boards. Suitable for direct wave (bottom side) and IR reflow (top side) applications. Polyimide film with unique pressure sensitive adhesive designed to withstand the various fluxes, cleaning solvents and molten solder encountered in the manufacture of printed circuit boards. Flash exposure up to 1000°F.
E	Polyester	White	-53°C to +93°C	-65°F to +200°F	Dot matrix	Ideal for applications requiring exposure to vapor degreaser. The matte ink receptive coating and Tyco ribbon provide high integrity marking in a variety of environments. Allows less than 0.01% UV transmissibility. UL Listed and CSA Certified.
TW	Polyvinyl chloride	Clear	-54°C to +82°C	-65°F to +180°F	Thermal transfer	An excellent marker for cable, flat ribbon cable, machine tools, tubing or underground wiring. Durable vinyl film with good conformability. Designed to withstand exposure to oil, solvents and water. Supplied with a white print-on or write-on surface for on-the-job marking.
WP	Polyester	White	-40°C to +150°C	-40°F to +302°F	Thermal transfer	Ideal for applications requiring a white high-durability label. Gloss white top-coat offers excellent contrast ratios for barcodes.
CP	Polyester	Clear	-40°C to +150°C	-40°F to +302°F	Thermal transfer	Ideal for applications requiring a clear lamination or as a clear label – for use with Tyco transfer printing systems. For high print durability use Tyco ribbon.
HW	Polyester	White	-40°C to +150°C	-40°F to +302°F	Thermal transfer	Ideal for applications that require a high-tack adhesive. White label is excellent for bar code applications. Adhesive is designed to bond to the most demanding surface, including textured and contoured surfaces.
HM	Polyester	Silver	-40°C to +150°C	-40°F to +302°F	Thermal transfer	Ideal for rating plate applications and programmable device labels that require a high-tack adhesive. Adhesive is designed to bond to the most demanding surfaces, including textured and contoured surfaces. UL Listed and CSA Certified.
MP	Polyester	Silver	-40°C to +150°C	-40°F to +302°F	Thermal transfer	Ideal for rating plate applications and users who desire a metalised programmable device label.
MV	Polyester	Silver	-40°C to +150°C	-40°F to +302°F	Thermal transfer	Ideal for rating plate applications and users who desire a label with a silver look and tamper evident feature. Removal after 24 hours results in label fracturing with "VOID" pattern remaining.
TN	Polyethylene	White	-40°C to +80°C	-40°F to +176°F	Thermal transfer	Ideal for applications that require serial numbers, calibration information or other tamper proof identifications. Fractures upon removal after 72 hours.

continued

Label ID products (continued)

Tyco material	Material (Brand Name)	Colour	Temperature range		Print technology	Recommended application
			°C	°F		
WV	Polyvinyl chloride	White	−60°C to +95°C	−76°F to +203°F	Thermal transfer	Vinyl film with good conformability to round and flexible surfaces. Excellent for flat ribbon cables that are subjected to repeat bending. Designed to withstand exposure to oil, solvents and water.
NC	Polyamide cloth	White	−40°C to +140°C	−40°F to +284°F	Thermal transfer	Excellent for irregular surfaces where conformability is desired. Label will conform to round or flexible surfaces, such as tubing, wiring or cables.
T1K	Polyimide	White	−46°C to +260°C	−50°F to +500°F	Thermal transfer	Ideal for label requirements on circuit boards. Suitable for direct wave (bottom side) and IR reflow (top side) applications. Designed to withstand the various fluxes, cleaning solvents and molten solder encountered in the manufacture of printed circuit boards. Excellent for bar code applications.
T2K	Polyimide	White	−46°C to +260°C	−50°F to +500°F	Thermal transfer	Ideal for label requirements on circuit boards. Suitable for direct wave (bottom side) and IR reflow (top side) applications. Designed to withstand the various fluxes, cleaning solvents and molten solder encountered in the manufacture of printed circuit boards. Excellent for auto apply applications.
TSK	Polyimide	White	−46°C to +260°C	−50°F to +500°F	Thermal transfer	Designed for applications where static charge is critical, such as printed circuit boards and related electronic components. Ideal for high temperature labeling requirements and suitable for direct wave (bottom side) and IR reflow (top side) PCB applications. Withstands the fluxes, cleaning solvents and molten solder encountered in the manufacture of PCBs. Provides excellent contrast for bar code applications.
TAK	Polyimide	Amber	−46°C to +260°C	−50°F to +500°F	Thermal transfer	Ideal for high temperature labeling requirements such as printed circuit boards. Suitable for direct wave (bottom side) and IR reflow (top side) PCB applications. Designed to withstand the fluxes, cleaning solvents and molten solder encountered in the manufacture of PCBs.
T2Y	Modified polyimide	White	−40°C to +232°C	−40°F to +450°F	Thermal transfer	Ideal for applications requiring a high durability white label that will withstand the temperatures and solvents encountered in printed circuit soldering. Designed as an economic alternative to Tyco's T1K material. Suitable for IR reflow (top side) applications.
PVF	Polyvinyl fluoride (Tedlar®)	White/Yellow	−40°C to +130°C	−40°F to +266°F	Thermal transfer	Excellent for wire and cable marking and other general labeling applications that require the "self-extinguishing" properties of Tedlar®. Ideal for use in a variety of harsh physical and chemical environments. Resists water, oil, cleaning agents and oil based solvents, and filters ultraviolet light.
SB	Polyvinyl chloride	Clear	−54°C to +82°C	−65°F to +180°F	Thermal transfer	An excellent marker for cable, flat ribbon cable, machine tools, tubing or underground wiring. Durable vinyl film with good conformability. Designed to withstand exposure to oil, solvents and water. Supplied with a white print-on or write-on surface for on-the-job marking.
EP	Paper	White	−54°C to +66°C	−65°F to +200°F	Thermal transfer	Ideal for permanent marking in milder environments when economy is required. The white smooth finish is excellent for bar coding applications. Excellent adhesion to most styrenes, polypropylenes, polyethelenes and paper. Adhesion to corrugation often results in the label or substrate tear when removal is attempted.
LE	Polyester	White	−40°C to +150°C	−40°F to +302°F	Laser	Ideal for general purpose and component labeling. Highly durable image. Ideal for applications requiring a bar code. Top coat designed for use in laser printers.
LM	Polyester	Silver	−40°C to +150°C	−40°F to +302°F	Laser	Excellent for component labeling requiring low UV transmissibility. Metal appearance ideal for rating plate applications. Top coat designed for use in laser printers.

Master materials specification cross reference (continued)

Wire, harness and pipe ID

Tyco material	Material (Brand Name)	Temperature range		Recommended application
		°C	°F	
CM-SCE	Radiation cross-linked polyolefin	-55°C to +135°C	-67°F to +275°F	A military grade tag ideal for use in aerospace, defense and commercial applications for large diameter cable bundles or harnesses that go beyond the range of heat-shrink identification sleeves. The product has superior mark permanence and can be attached to the wire bundles using cable ties. The product complements the TMS-SCE and RPS product ranges.
D-SCE	Radiation cross-linked polyolefin	-55°C to +135°C	-67°F to +275°F	A military grade product with superior resistance to several fluids, fuels, cleaning agents and chemicals. The product is ideal for use in harsh-environment applications like rail and mass transit, aerospace, defense and industrial plants for permanent identification of wire and cables. The product covers a broad range of wire diameters for ease of use.
HL	Radiation cross-linked polyolefin	-55°C to +135°C	-67°F to +275°F	A performance grade polyolefin cable tag that comes in various widths and lengths to incorporate several sizes and lines of text and is ideal for use in rail and mass transit and industrial applications. The product complements the HS range of heat-shrink identification sleeves and fills the sizes where a heat-shrink sleeve would be difficult to use.
HS	Radiation cross-linked polyolefin	-55°C to +135°C	-67°F to +275°F	A military grade heat-shrink identification product that comes in several different sleeve lengths and expanded diameters to fit a wide range of wire and cables that require variable text to fit a marker from 0.5in in length to a marker that is 6in in length. The product is ideal for use in the rail and mass transit and industrial applications where endurance to harsh environment and a variety of chemicals is a necessity.
HLTM	Proprint	-54°C to +71°C	-65°F to +160°F	A semi-rigid, heavy gauge Proprint without an adhesive backing. Designed for staple application to plywood control panel backboards for rail signal circuit identification. The standard 1.0" hole pitch design meets AAR terminal post specifications and makes installation fast and convenient. Resistant to common fluids, lubricants and solvents.
HLTM-FB	Polyolefin	-55°C to +135°C	-67°F to +275°F	A semi-rigid, heavy gauge crosslinked polyolefin material without an adhesive backing. Designed for use in a variety of applications including terminal post and terminal board signal circuit identification. The heavy gauge thickness is ideal for applications requiring exceptional durability. Mark permanence exceeds military requirements. Resistant to common fluids, lubricants, solvents and abrasion.
HLX	Radiation cross-linked zero-halogen polyolefin	-30°C to +105°C	-22°F to +221°F	A semi-rigid, heavy gauge specially formulated fabric material with a high tack permanent acrylic adhesive that is designed to permanently identify control panel components and racks, as well as general labeling applications that require a high performance, heavy gauge material. It has excellent abrasion resistance and adheres to most smooth surfaces including bare and painted metal.
HPC	High density polyethylene fibre (Tyvek®)	-54°C to +71°C	-65°F to +160°F	A semi-rigid, heavy gauge Tyvek® designed to permanently identify control panel components and racks, as well as general labeling applications that require a high performance heavy gauge material. Excellent abrasion resistance. Adheres to most smooth surfaces including bare and painted metal.
HPK	Polypropylene	-29°C to +80°C	-24°F to +176°F	A semi-rigid, heavy gauge polypropylene film designed to permanently identify control panel components and racks, as well as general labeling applications that require a high performance heavy gauge material. Excellent abrasion resistance. Adheres to most smooth surfaces including bare and painted metal.
HPKTM	Polypropylene	-29°C to +80°C	-24°F to +176°F	A semi-rigid polypropylene film designed for application to control panel backboards for rail signal circuit identification. The standard 1.0" hole pitch design meets AAR terminal post specifications and makes installation fast and convenient. Adheres to most smooth surfaces including bare and painted metal, as well as painted plywood used for rail signal terminal boards. Resistant to common fluids, lubricants and solvents.
HPTM	High density polyethylene fibre (Tyvek®)	-40°C to +80°C	-40°F to +176°F	A semi-rigid, heavy gauge Tyvek® designed for application in control panel backboards for rail signal circuit identification. The standard 1.0" hole pitch design meets AAR terminal post specifications and makes installation fast and convenient. Adheres to most smooth surfaces including bare and painted metal, as well as painted plywood used for rail signal terminal boards. Resistant to common fluids, lubricants and solvents.

continued

Wire, harness and pipe ID (continued)

Tyco material	Material (Brand Name)	Temperature range		Recommended application
		°C	°F	
HT-SCE	Radiation cross-linked fluoropolymer	-55°C to +225°C	-67°F to +437°F	A high-temperature resistant permanent identification sleeve system specifically designed for applications requiring exposure to prolonged temperatures and elevated continuous operating temperatures. The product has exceptional resistance to several fluids, solvents, oils and fuels and it's specifically designed low out-gassing properties make it ideal for use around living beings. The product meets several Military specifications and is recommended by NASA as a low-outgassing permanent identification sleeve system. Typical applications include outer space, aerospace and defense.
HTCM-SCE	Radiation cross-linked fluoropolymer	-55°C to +225°C	-67°F to +437°F	A high temperature, low-outgassing tie-on cable tag that complements the HT-SCE identification sleeve product range. Suitable for wire bundles, cables and harnesses that go beyond the size range for the HT-SCE sleeves or require side entry identification, pre or post-termination. The product can be attached using high-temperature resistant cable ties. Recommended on NASA's low-outgassing material list, the product is ideally suited for outer space, aerospace and defense applications.
HX	Radiation cross-linked zero-halogen polyolefin	-30°C to +105°C	-22°F to +221°F	Used to identify wires and cables where low fire hazard properties are critical, the zero halogen material coupled with low smoke and toxic fume emissions make this product ideal for use in enclosed spaces such as mass transit, marine and Industrial installations. The product has exceptional mark permanence to common fluids, solvents and chemicals.
NBC-SCE	Radiation cross-linked fluoropolymer	-55°C to +225°C	-67°F to +437°F	A specially formulated permanent identification sleeve system specifically designed for use in environments exposed to nuclear, biological and chemical agents. The system when used with the appropriate adhesive and oversleeve meets the requirements of an inert system (contact Tyco for details) to identify wire, cables and harnesses. The product has exceptional resistance to several fluids, solvents and fuels. Typical industrial applications include defense harnesses, aerospace, chemical and pharmaceutical plants and infrastructure. The low out-gassing properties make the product exceptionally well-suited for areas that have close contact with humans.
NMX	Polyaramid – Nomex®	-40°C to +135°C	-40°F to +275°F	A flame retardant polyaramid specially formulated for use in identification of cables and wire bundles as a side entry tag. The tags are attached to the substrate using cable ties. The product is ideal for aerospace and other industries where resistance to harsh environments and weight savings are critical. Available in dot-matrix printable format, the product has exceptional resistance to cleaning fluids, fuels and chemicals commonly associated with the aerospace industry.
RMK	Epoxy coated polyester	-40°C to +105°C	-40°F to +221°F	A specially formulated computer printable label stock designed for applications requiring a permanent mark. When printed using recommended printers and cured using a heat-gun, the unique epoxy on the surface locks the image in place, permanently. Multiple colour printing can be done on the label stock at one time. The product provides the benefits of silk-screening, reverse printed membranes and laser engraved signs and switches without the inflexibility associated with these technologies. Typical applications include rating plates, engraved plastic switches and permanent colour coding of wires and panels.
RMK-6	Epoxy coated polyester	-40°C to +105°C	-40°F to +221°F	A specially formulated product for use in the harshest of conditions. Available as die-cut labels, the product is inkjet or dot-matrix printable and when cured with a heat gun post printing, the product has a mark that is indelible. Combined with low fire hazard properties, the product is ideal for use where post-burn exposure to living beings is a real risk. Typical applications include rating plates in electronics and components and pipe and cable wrap around marking where permanent mark is desired.
RPS	Radiation cross-linked polyolefin	-30°C to +105°C	-22°F to +221°F	Suitable for applications where permanent identification of wires, cables and harnesses is required and a mm grade material or colour coding other than white and yellow is not a necessity. 3:1 shrink ratio, quick-shrink properties and pre-kitted format along with thermal printable characteristics make this product ideal for high-volume applications that are heat-sensitive and withstand harsh environments.
TMS-CCUV	Radiation cross-linked fluoropolymer	-55°C to +150°C	-67°F to +302°F	A transparent heat-shrinkable sleeve that complements the entire heat-shrink and cable tag range of Tyco Identification products. Used in combination with any of the sleeve and tag materials, the product provides exceptional UV and weathering resistance where needed and protects the print from being degraded. The product also works with the NBC-SCE material and used along with an NBC adhesive, conforms to the requirements of an NBC system. The product is available in several different sizes and sleeve lengths. Typical industrial applications include chemical plants, healthcare industry, outer space and nuclear plants. The product is also ideal for NBC harnesses in the defense industry.

Master materials specification cross reference (continued)

continued

Wire, harness and pipe ID (continued)

Tyco material	Material (Brand Name)	Temperature range		Recommended application
		°C	°F	
TMS-SCE	Radiation cross-linked polyolefin	-55°C to +135°C	-67°F to +275°F	A heat-shrink identification product that comes in 2:1 and 3:1 shrink ratios and a large range of diameters to fulfill most of the wire and cable identification needs that demand a permanent marker. The product meets and exceeds the performance requirements of the Mil-23053/5 class 1 and 3 and is suitable for a wide range of industry – from aerospace, defense, rail and mass transit to industrial and electronics sectors. The light weight of the product translates into significant savings for the aerospace industry. The product has quick-shrink properties that make it well-suited for applications that are heat-sensitive. The product also comes in all colours to facilitate colour coding while identifying.
TP	Polyester	-40°C to +163°C	-40°F to +375°F	Suitable for tube and pipe labels in the aerospace/defense industry. Several sizes and standard pre-coded patterns for the various types of fluid/air/gas lines eliminate several steps and complex inventories. Flexible material and ultra-aggressive adhesive conform to curved surfaces with ease.
TTP	Polyester	-40°C to +150°C	-40°F to +302°F	The product is an excellent alternative to expensive and inflexible silk-screen printing. Available in several colours and widths, it is ideal for use as decals requiring excellent resistance to fluids and abrasion and where colour printing with variable text is required. Applications include aerospace, defense, rail and mass transit and industrial plants. The product meets print performance requirements of Mil-M-81531.
VF	Polyvinyl fluoride (Tedlar®)	-40°C to +130°C	-40°F to +266°F	A label product ideal for use in colour coding and identification of wires, wire bundles and cables. The product can also be used in panels and boards. The product has exceptional resistance to burn and has superior UV stability. Available as continuous and die-cut, the product comes in all standard resistor colour codes and meets the requirements of several Military and industry standards for wrapping tapes and labels.
ZH-SCE	Radiation cross-linked zero-halogen polyolefin	-30°C to 105°C	-22°F to +221°F	A halogen-free product suitable for applications where low-smoke upon combustion is a necessity. The product has superior resistance to common fluids and solvents and is ideal for use in rail and mass transit and industrial applications that involve close contact with humans. The product is available for a wide range of wire and cable diameters and shrinks to half the expanded diameter.

Industry icon key



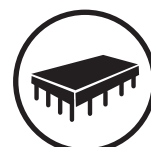
AEROSPACE



AUTOMOTIVE



CIRCUIT BOARDS



COMPONENTS



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RAIL



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HM-178095-10-8A	64	HPTM1CL-312	120	HW-254064-10-9	62	K-293064-10-1A	90	MP-127127-10-8A	66	MV-114040-25-8A	68
HM-191064-10-8A	64	HPTM1CL-438	120	HW-254097-10-9	62	K-508095-5-1A	90	MP-165051-25-8A	66	MV-127032-10-8A	68
HM-191114-15-8A	64	HPTM1CL-500	120	HW-254127-10-9	62	K-533064-5-1A	90	MP-165102-10-8A	66	MV-127111-10-8A	68
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HM-203127-10-8A	64	HPTM1CR-438	120	HW-305047-10-9	62	M-064064-10-8A	88	MP-178095-10-8A	66	MV-165051-25-8A	68
HM-208086-5-8A	64	HPTM1CR-500	120	HW-318064-10-9	62	M-076191-10-8A	88	MP-191064-10-8A	66	MV-165102-10-8A	68
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HM-508127-10-8A	64	HW-064064-25-9	62	HW-762508-2.5-9	62	M-508318-3-8A	88	MP-445445-2-8A	66	MV-406254-1.5-8A	68
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HM-762508-2.5-8A	64	HW-114040-25-9	62	J-TW10	48	M-920254-2.5-8A	88	MP-699191-5-8A	66	MV-508508-3-8A	68
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HPC04WE1050	42	HW-127111-10-9	62	K-076191-10-1A	90	MP-040040-25-8A	66	MP-762127-1-8A	66	MV-610419-2.5-8A	68
HPC06WE1050	42	HW-127127-10-9	62	K-080080-10-1A	90	MP-044033-10-8A	66	MP-762381-2.5-8A	66	MV-699191-5-8A	68
HPC08WE1050	42	HW-165051-25-9	62	K-095095-10-1A	90	MP-064064-25-8A	66	MP-762508-2.5-8A	66	MV-699254-5-8A	68
HPC10WE1050	42	HW-165102-10-9	62	K-115064-10-1A	90	MP-080080-10-8A	66	MV-040040-25-8A	68	MV-762127-1-8A	68
HPK02WE1050	40	HW-171171-10-9	62	K-121064-10-1A	90	MP-089047-10-8A	66	MV-044033-10-8A	68	MV-762381-2.5-8A	68
HPK04WE1050	40	HW-178095-10-9	62	K-154064-10-1A	90	MP-095080-25-8A	66	MV-064064-25-8A	68	MV-762508-2.5-8A	68
HPK06WE1050	40	HW-191064-10-9	62	K-159079-10-1A	90	MP-095095-10-8A	66	MV-080080-10-8A	68	N-PV10	50
HPK08WE1050	40	HW-191114-15-9	62	K-165051-10-1A	90	MP-101101-1.3-8A	66	MV-089047-10-8A	68	N-TW10	48
HPK10WE1050	40	HW-191762-5-9	62	K-191064-10-1A	90	MP-101165-.85-8A	66	MV-095080-25-8A	68	NBC-SCE-1K-1½-2.0<c...> 28	
HPKTM1CL-312	122	HW-203127-10-9	62	K-203127-10-1A	90	MP-101508-2.5-8A	66	MV-095095-10-8A	68	NBC-SCE-1K-1-2.0<c...> 28	
HPKTM1CL-438	122	HW-208086-5-9	62	K-203365-10-1A	90	MP-101635-2.5-8A	66	MV-101101-1.3-8A	68	NBC-SCE-1K-¾-2.0<c...> 28	
HPKTM1CL-500	122	HW-222159-15-9	62	K-215055-10-1A	90	MP-101762-1.8-8A	66	MV-101165-.85-8A	68	NBC-SCE-1K-¾-2.0<c...> 28	
HPKTM1CR-312	122	HW-229064-10-9	62	K-229064-10-1A	90	MP-114040-25-8A	66	MV-101508-2.5-8A	68	NBC-SCE-1K-½-2.0<c...> 28	
HPKTM1CR-438	122	HW-250381-10-9	62	K-254095-10-1A	90	MP-127032-10-8A	66	MV-101635-2.5-8A	68	NBC-SCE-1K-¾-2.0<c...> 28	

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NC-064064-25-9	74	PVF-101508-2.5-9	82	PVF100594WE1	46	T1K-076191-10-9	76	T2K-254097-10-9	76	T308S-C	98
NC-076191-10-9	74	PVF-101635-2.5-9	82	PVF100743WE1	46	T1K-080080-10-9	76	T2K-254127-10-9	76	T308S-R	98
NC-080080-10-9	74	PVF-101762-1.8-9	82	PVF190319WE2.5	46	T1K-095080-25-9	76	T2K-254254-10-9	76	T312M	98
NC-095080-25-9	74	PVF-114040-25-9	82	PVF190594WE1	46	T1K-095095-10-9	76	T2K-305047-10-9	76	T312M-R	98
NC-095095-10-9	74	PVF-127032-10-9	82	PVF200143WE2.5	46	T1K-127032-10-9	76	T2K-318064-10-9	76	T312S	98
NC-127032-10-9	74	PVF-127111-10-9	82	PVF200225WE2.5	46	T1K-127111-10-9	76	T2K-381020-10-9	76	T312S-C	98
NC-127111-10-9	74	PVF-127127-10-9	82	PVF200375WE2.5	46	T1K-127127-10-9	76	T2K-381064-10-9	76	T312S-R	98
NC-127127-10-9	74	PVF-165051-25-9	82	PVF200743WE1	46	T1K-165051-25-9	76	T2K-381127-5-9	76	T408M	99
NC-165051-25-9	74	PVF-165102-10-9	82	Q-PV10	50	T1K-171171-10-9	76	T2K-381381-2.5-9	76	T408M-R	99
NC-178095-10-9	74	PVF-171171-10-9	82	Q-TW10	48	T1K-178095-10-9	76	T2K-381635-5-9	76	TAK-044033-10-3A	76
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NC-229064-10-9	74	PVF-191114-15-9	82	RMK-18x35-A4	36	T1K-229064-10-9	76	T2K-445445-2-9	76	TAK-080080-10-3A	76
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NC-254097-10-9	74	PVF-222159-15-9	82	RMK-25x75-A4	36	T1K-254097-10-9	76	T2K-508508-3-9	76	TAK-127111-10-3A	76
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PVF-064064-25-9	82	PVF-762508-2.5-9	82	SB200225WE2.5	44	T2K-178095-10-9	76	T2Y-508064-10-9	76	TMS-CCUV-SLEEVE-1...	30
PVF-080080-10-9	82	PVF050100WE10	46	SB200375WE2.5	44	T2K-191064-10-9	76	T2Y-508095-5-9	76	TMS-CCUV-SLEEVE-10...	30
PVF-089047-10-9	82	PVF050143WE10	46	SB200743WE1	44	T2K-191762-5-9	76	T2Y-508127-10-9	76	TMS-CCUV-SLEEVE-15	30
PVF-095080-25-9	82	PVF080150WE10	46	T-PV2.5	50	T2K-229064-10-9	76	T2Y-508508-3-9	76	TMS-CCUV-SLEEVE-16	30
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TMS-CCUV-SLEEVE-20	.30	TN-191114-15-9	.70	TSK-076191-10-9	.76	U-TW2.5	.48	WP-508508-3-9	.58	WV-508508-3-9	.72
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TMS-SCE-2X-1K-⅔-2.0-<colour>	.4	TN-508127-10-9	.70	TSK-445445-2-9	.76	WP-203127-10-9	.58	WV-191114-15-9	.72		
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TMS-SCE-2X-1K-¾-2.0-<colour>	.4	TN-508318-2.5-9	.70	TSK-508095-5-9	.76	WP-222159-15-9	.58	WV-203127-10-9	.72		
TMS-SCE-2X-1K-¾-2.0-<colour>	.4	TN-508508-3-9	.70	TSK-508127-10-9	.76	WP-229064-10-9	.58	WV-208086-5-9	.72		
TMS-SIX-PROMO-PRI...	.102	TN-523841-1.5-9	.70	TSK-508508-3-9	.76	WP-250381-10-9	.58	WV-222159-15-9	.72		
TMS-SIX-RIBBON-D870	108	TN-610419-2.5-9	.70	TSK-523841-1.5-9	.76	WP-254045-10-9	.58	WV-229064-10-9	.72		
TMS-SYSTEM-SIX-R...	.108	TN-699191-5-9	.70	TTP200<colour>-10	.38	WP-254064-10-9	.58	WV-250381-10-9	.72		
TMS-WINTOTAL-SW...	.110	TN-699254-5-9	.70			WP-254097-10-9	.58	WV-254045-10-9	.72		
TN-040040-25-9	.70	TN-762127-1-9	.70	TTP300<colour>-10	.38	WP-254127-10-9	.58	WV-254064-10-9	.72		
TN-044033-10-9	.70	TN-762381-2.5-9	.70	TTP400<colour>-10	.38	WP-254254-10-9	.58	WV-254097-10-9	.72		
TN-064064-25-9	.70	TN-762508-2.5-9	.70	TTP600<colour>-10	.38	WP-305047-10-9	.58	WV-254127-10-9	.72		
TN-080080-10-9	.70	TP<f...>(XXXX)-0.188	.126	TTS 03	.112	WP-318064-10-9	.58	WV-254254-10-9	.72		
TN-089047-10-9	.70	TP<f...>(XXXX)-0.250	.126	TTS 03/L	.112	WP-318097-10-9	.58	WV-305047-10-9	.72		
TN-095080-25-9	.70	TP<f...>(XXXX)-0.312	.126	TTS 03/N05	.112	WP-381020-10-9	.58	WV-318064-10-9	.72		
TN-095095-10-9	.70	TP<f...>(XXXX)-0.375	.126	TTVF050<colour>-180	.32	WP-381064-10-9	.58	WV-318097-10-9	.72		
TN-101101-1.3-9	.70	TP<f...>(XXXX)-0.500	.126	TTVF075<colour>-100	.32	WP-381127-5-9	.58	WV-381020-10-9	.72		
TN-101165-85-9	.70	TP<f...>(XXXX)-0.625	.126	TTVF100<colour>-100	.32	WP-381191-5-9	.58	WV-381064-10-9	.72		
TN-101508-2.5-9	.70	TP<f...>(XXXX)-0.750	.126	TTVF1029<colour>-2.5	.32	WP-381381-2.5-9	.58	WV-381127-5-9	.72		
TN-101635-2.5-9	.70	TP<f...>(XXXX)-0.875	.126	TTVF1079<colour>-1	.32	WP-381635-5-9	.58	WV-381191-5-9	.72		
TN-101762-1.8-9	.70	TP<f...>(XXXX)-1.000	.126	TTVF150<colour>-100	.32	WP-406254-1.5-9	.58	WV-381381-2.5-9	.72		
TN-114040-25-9	.70	TP<f...>(XXXX)-1.125	.126	TTVF1529<colour>-2.5	.32	WP-445064-10-9	.58	WV-445064-10-9	.72		
TN-127032-10-9	.70	TP<f...>(XXXX)-1.250	.126	TTVF1679<colour>-1	.32	WP-445102-5-9	.58	WV-445102-5-9	.72		
TN-127111-10-9	.70	TP<f...>(XXXX)-1.375	.126	TTVF200<colour>-100	.32	WP-445445-2-9	.58	WV-445445-2-9	.72		
TN-127127-10-9	.70	TP<f...>(XXXX)-1.500	.126	TTVF300<colour>-100	.32	WP-478175-5-9	.58	WV-478175-5-9	.72		
TN-165051-25-9	.70	TP<f...>(XXXX)-1.625	.126	TTVF3015<colour>-1	.32	WP-508064-10-9	.58	WV-508064-10-9	.72		
TN-165102-10-9	.70	TP<f...>(XXXX)-1.750	.126	TTVF3509<colour>-2.5	.32	WP-508095-5-9	.58	WV-508095-5-9	.72		
TN-171171-10-9	.70	TP<f...>(XXXX)-CONT	.126	TTVF400<colour>-100	.32	WP-508127-10-9	.58	WV-508127-10-9	.72		



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