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## LABELING SYSTEMS

Panduit is a global leader in reliable and innovative solutions for identification and safety. Products are engineered for a wide variety of industries and applications – including electrical, electronics, industrial and network. Panduit provides enhanced productivity, reliability, and value with leading-edge software development, materials and equipment by designing and manufacturing a full line of labeling products, software and printers to assist you with your labeling requirements.



- World-class quality – ISO 9001 and ISO 14001
- High performance and reliability
- Wide variety of system solutions to meet the most demanding requirements
- Meet and exceed the requirements of UL, CSA, ISO, NEC and OSHA
- Strong service and support network – distributor partners, knowledgeable sales people, expert technical support and world-class customer service



Panduit provides a complete range of industrial products and tools – including hand-held labeling systems, desktop labeling systems, pre-printed labels and safety systems. Use Panduit for all your identification needs for wire and cable, electrical and electronic devices, agency compliance, workplace safety and more.



## PRINTERS: THERMAL TRANSFER DESKTOP AND HAND-HELD

Panduit desktop thermal transfer printers enable fast, high quality label production for all your identification requirements. Use Panduit labeling software and desktop thermal transfer printers to produce on demand identification solutions quickly and economically. Panduit hand-held printers are designed for flexibility. Programmed with advanced functionality, Panduit printers make custom labeling easy.



### Hand-Held Printers

- Create labels at remote job sites
- Provide crisp, clear, high quality thermal transfer print
- Easily identify moves, adds, or changes

### Desktop Printers

- Compatible with Panduit® Easy-Mark™ Labeling Software
- Provide crisp, clear, high quality thermal transfer print
- Compatible with WINDOWS^ based PC operating systems

Panduit printers and our wide variety of labels provide solutions for all your project labeling needs.

^WINDOWS is a registered trademark of Microsoft Corporation in the United States and/or other countries.

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A. System Overview

## PanTher™ LS8E Hand-Held Thermal Transfer Printer and Accessories

- Cut-to-length functionality eliminates label waste and label trimming labor
- Partial cut feature available to provide tear-apart strips of labels
- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Market specific labeling tools simplify label creation for electrical components, panel building, and construction and maintenance
- USB interface for importing data, system upgrades, and printing from a wireless laptop or desktop computer
- Prints self-laminating labels, heat shrink tubing, die-cut component labels and continuous tapes
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Large graphic display with backlight for improved visibility

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B2. Cable Accessories

B3. Stainless Steel Ties

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LS8E-KIT



LS8EQ

Part Number	Part Description	Std. Pkg. Qty.
<b>LS8EQ-KIT-ACS</b>	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8E-ACS, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1
<b>LS8EQ-KIT</b>	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1
<b>LS8EQ</b>	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries and quick reference card.	1
<b>LS8E-KIT-ACS</b>	Includes LS8E printer, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8E-ACS, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1
<b>LS8E-KIT</b>	Includes LS8E printer, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, LS8-CASE, LS8-PCKIT, LS8-IB, LS8-WS, quick reference card and operator's manual.	1
<b>LS8E</b>	Includes LS8E printer, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries and quick reference card.	1
<b>LS8E-ACS*</b>	120 VAC power adapter for North America.	1
<b>LS8-CASE</b>	Rigid carrying case.	1
<b>LS8-PCKIT</b>	Includes USB cable and PC interface software for importing data, system upgrades, or printing from a wireless laptop or desktop computer.	1
<b>LS8-IB</b>	Protective impact bumper.	1
<b>LS8-WS</b>	Wrist strap.	1
<b>LS8-CLN</b>	LS8/LS8E cleaning kit – contains bottle of cleaning solution with MSDS, cleaning pen, swabs, alcohol wipes and cleaning instructions.	1

\*Cannot be used to charge batteries.

Other adapters available, replace S with A (Australia), C (China), E (Europe) and U (UK).

## Cougar™ LS9 Hand-Held Thermal Transfer Printer and Accessories

- Economical identification system provides premium quality solutions at the lowest installed cost
- Cut-to-length functionality eliminates label waste and label trimming labor
- Partial cut feature available to provide tear-apart strips of labels
- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Prints continuous military grade heat shrink tubing
- Prints a wide variety of continuous tapes for marking of wire marking, component labeling, and safety/facility identification
- Fast loading label cassette includes both label material and ribbon to make changing labels easy

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LS9Q

Part Number	Part Description	Std. Pkg. Qty.
<b>LS9Q</b>	Includes LS9Q printer with QWERTY keypad, one cassette of T100X000C1C-BK continuous nylon cloth tape, six AA alkaline batteries and quick reference card.	1
<b>LS9</b>	Includes LS9 printer, one cassette of T100X000VPC-BK continuous vinyl tape, six AA alkaline batteries and quick reference card.	1
<b>LS9-ACS*</b>	120 VAC power adapter for North America.	1
<b>LS9-CASE</b>	Rigid carrying case.	1
<b>LS9-IB</b>	Protective impact bumper.	1
<b>LS9-WS</b>	Wrist strap.	1
<b>LS9-CLN</b>	Cleaning kit.	1

\*Cannot be used to charge batteries.

Other adapters available, replace S with A (Australia), C (China), E (Europe) and U (UK).

## PANDUIT® Hand-Held Thermal Transfer Printing Solutions



PanTher™ LS8E



Cougar™ LS9

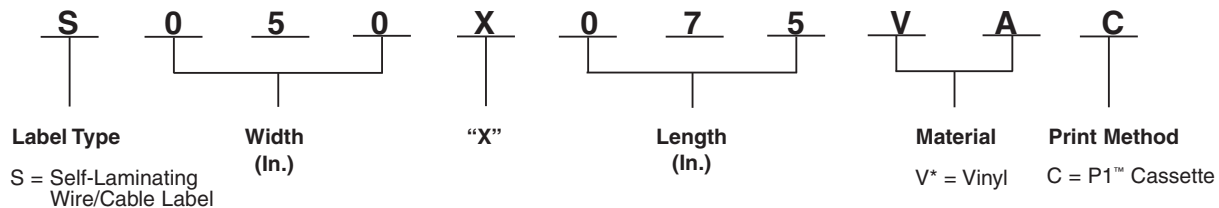
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### P1™ Self-Laminating Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer

- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Self-laminating adhesive labels for wire/cable identification include a colored print-on area and clear overlamine
- Labels are available in a large range of wire/cable sizes



### Part Number System for Wire/Cable Labeling



### Material/Print Method Selection Chart

Material	Print Method	Temperature Range	Features
Self-Laminating Vinyl, White Print-On (V*)	P1™ Cassette	-50°F to 225°F (-45°C to 107°C)	Indoor/outdoor rated; thin and conformable; preferred material for most general wire/cable labeling.

Table continues on page E1.4

For technical assistance in the U.S., call 866-405-6654 (outside the U.S., see inside back cover for directory)

Courtesy of Steven Engineering, Inc. - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

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Part Number	Part Description	Width		Length		Print-On Height		Min. Cable O.D.		Max. Cable O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
<b>S050X075VAC</b>	White print-on area, vinyl label for 18 – 14 AWG wires, 450/cassette.	.50	12.70	0.75	19.05	0.25	6.35	0.08	2.02	0.16	4.04	1	10
<b>S050X125VAC</b>	White print-on area, vinyl label for 12 – 10 AWG wires, 225/cassette.	.50	12.70	1.25	31.75	0.38	9.65	0.12	3.07	0.28	7.03	1	10
<b>S050X150VAC</b>	White print-on area, vinyl label for Cat. 5e/Cat. 6 cables, 200/cassette.	.50	12.70	1.50	38.10	0.50	12.70	0.16	4.04	0.32	8.09	1	10
<b>S075X075VAC</b>	White print-on area, vinyl label for 18 – 14 AWG wires, 350/cassette.	.75	19.05	0.75	19.05	0.25	6.35	0.08	2.02	0.16	4.04	1	10
<b>S075X100VAC</b>	White print-on area, vinyl label for 12 – 10 AWG wires, 275/cassette.	.75	19.05	1.00	25.40	0.38	9.65	0.12	3.05	0.20	5.08	1	10
<b>S075X125VAC</b>	White print-on area, vinyl label for 12 – 10 AWG wires, 225/cassette.	.75	19.05	1.25	31.75	0.38	9.65	0.12	3.07	0.28	7.03	1	10
<b>S075X150VAC</b>	White print-on area, vinyl label for Cat. 5e/Cat. 6 cables, 200/cassette.	.75	19.05	1.50	38.10	0.50	12.70	0.16	4.04	0.32	8.09	1	10
<b>S100X075VAC</b>	White print-on area, vinyl label for 18 – 14 AWG wires, 350/cassette.	1.00	25.40	0.75	19.05	0.25	6.35	0.08	2.02	0.16	4.04	1	10
<b>S100X125VAC</b>	White print-on area, vinyl label for 12 – 10 AWG wires, 225/cassette.	1.00	25.40	1.25	31.75	0.38	9.65	0.12	3.07	0.28	7.03	1	10
<b>S100X150VAC</b>	White print-on area, vinyl label for Cat. 5e/Cat. 6 cables, 200/cassette.	1.00	25.40	1.50	38.10	0.50	12.70	0.16	4.04	0.32	8.09	1	10
<b>S100X150VBC</b>	Blue print-on area, vinyl label for Cat. 5e/Cat. 6 cables, 200/cassette.	1.00	25.40	1.50	38.10	0.50	12.70	0.16	4.04	0.32	8.09	1	10
<b>S100X150VDC</b>	Green print-on area, vinyl label for Cat. 5e/Cat. 6 cables, 200/cassette.	1.00	25.40	1.50	38.10	0.50	12.70	0.16	4.04	0.32	8.09	1	10
<b>S100X150VHC</b>	Red print-on area, vinyl label for Cat. 5e/Cat. 6 cables, 200/cassette.	1.00	25.40	1.50	38.10	0.50	12.70	0.16	4.04	0.32	8.09	1	10
<b>S100X150VIC</b>	Yellow print-on area, vinyl label for Cat. 5e/Cat. 6 cables, 200/cassette.	1.00	25.40	1.50	38.10	0.50	12.70	0.16	4.04	0.32	8.09	1	10
<b>S100X225VAC</b>	White print-on area, vinyl label for 8 – 4 AWG wires, 125/cassette.	1.00	25.40	2.25	57.15	0.75	19.05	0.24	6.06	0.48	12.19	1	10
<b>S100X225VBC</b>	Blue print-on area, vinyl label for 8 – 4 AWG wires, 125/cassette.	1.00	25.40	2.25	57.15	0.75	19.05	0.24	6.06	0.48	12.19	1	10
<b>S100X225VDC</b>	Green print-on area, vinyl label for 8 – 4 AWG wires, 125/cassette.	1.00	25.40	2.25	57.15	0.75	19.05	0.24	6.06	0.48	12.19	1	10
<b>S100X225VHC</b>	Red print-on area, vinyl label for 8 – 4 AWG wires, 125/cassette.	1.00	25.40	2.25	57.15	0.75	19.05	0.24	6.06	0.48	12.19	1	10
<b>S100X225VIC</b>	Yellow print-on area, vinyl label for 8 – 4 AWG wires, 125/cassette.	1.00	25.40	2.25	57.15	0.75	19.05	0.24	6.06	0.48	12.19	1	10
<b>S100X400VAC</b>	White print-on area, vinyl label for 2 – 1 AWG wires, 75/cassette.	1.00	25.40	4.00	101.60	1.00	25.40	0.32	8.09	0.95	24.26	1	10
<b>S100X650VAC</b>	White print-on area, vinyl label for 1/0 – 250 MCM wires, 50/cassette.	1.00	25.40	6.50	165.10	1.50	38.10	0.48	12.19	1.59	40.39	1	10

Order number of cassettes required.

Other colors available, replace A with B (Blue), D (Green), H (Red) and I (Yellow).

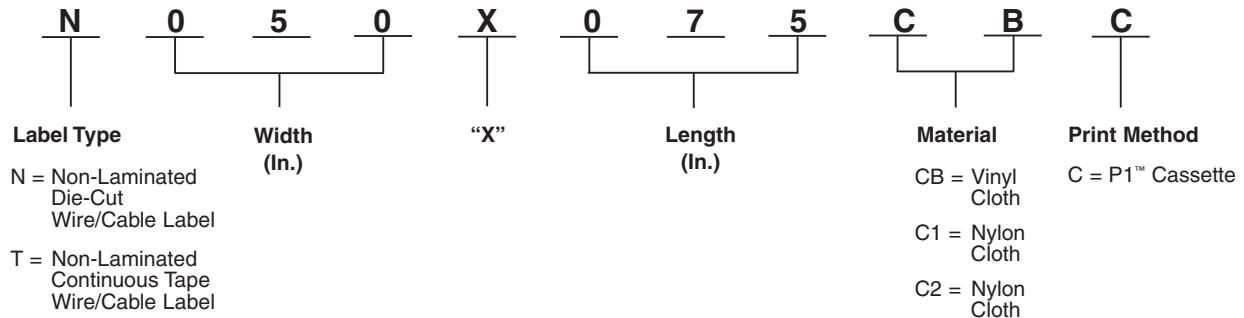
## P1™ Non-Laminated Label Cassettes

- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette

- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Non-laminated adhesive labels for wire/cable identification



## Part Number System for Wire/Cable Labeling



## Material/Print Method Selection Chart

Material	Print Method	Temperature Range	Features
Vinyl Cloth White Print-On (CB)	P1™ Cassette	50°F to 170°F (10°C to 77°C)	General purpose material, vinyl impregnated cloth resists oil and abrasion; material can be removed, repositioned, and reused.
Nylon Cloth White Print-On (C1) Yellow Print-On (C2)		-40°F to 285°F (-40°C to 140°C)	General purpose material for wire and cable marking as well as flat surfaces; superior legibility; not repositionable.

Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m		
<b>Continuous – For Use in PanTher™ LS8E and Cougar™ LS9 Hand-Held Thermal Transfer Printers</b>							
T050X000CBC-BK	Black on white, vinyl cloth tape.	0.50	12.7	12.5	3.8	1	10
T100X000CBC-BK	Black on white, vinyl cloth tape.	1.00	25.4	12.5	3.8	1	10
T038X000C1C-BK	Black on white, nylon cloth label tape.	0.38	9.7	18.0	5.5	1	10
T038X000C2C-BK	Black on yellow, nylon cloth label tape.	0.38	9.7	18.0	5.5	1	10
T050X000C1C-BK	Black on white, nylon cloth label tape.	0.50	12.7	18.0	5.5	1	10
T050X000C2C-BK	Black on yellow, nylon cloth label tape.	0.50	12.7	18.0	5.5	1	10
T075X000C1C-BK	Black on white, nylon cloth label tape.	0.75	19.1	18.0	5.5	1	10
T075X000C2C-BK	Black on yellow, nylon cloth label tape.	0.75	19.1	18.0	5.5	1	10
T100X000C1C-BK	Black on white, nylon cloth label tape.	1.00	25.4	18.0	5.5	1	10
T100X000C2C-BK	Black on yellow, nylon cloth label tape.	1.00	25.4	18.0	5.5	1	10

Table continues on page E1.6

A. System Overview

## P1™ Non-Laminated Label Cassettes (continued)

B1. Cable Ties

Part Number	Part Description	Width		Length		Min. Cable O.D.		Max. Cable O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm		
<b>Die-Cut – For Use in PanTher™ LS8E Hand-Held Thermal Transfer Printers</b>											
<b>N050X075CBC</b>	White, perforated vinyl cloth label for 18 – 14 AWG wires, 125/cassette.	.50	12.70	.75	19.05	.24	6.10	.51	12.95	1	10
<b>N050X150CBC</b>	White, perforated vinyl cloth label for Cat. 5e/Cat. 6 cable, 75/cassette.	.50	12.70	1.50	38.10	.48	12.19	1.02	25.91	1	10
<b>N100X125CBC</b>	White, perforated vinyl cloth label for 12 – 10 AWG wires, 75/cassette.	1.00	25.40	1.25	31.75	.40	10.16	.85	21.59	1	10
<b>N100X150CBC</b>	White, vinyl cloth label for Cat. 5e/Cat. 6 cable, 75/cassette.	1.00	25.40	1.50	38.10	.48	12.19	1.02	25.91	1	10
<b>N100X175CBC</b>	White, perforated vinyl cloth label for 8 – 4 AWG wires, 50/cassette.	1.00	25.40	1.75	44.45	.56	14.22	1.19	30.23	1	10

Order number of rolls required.

C2. Surface Raceway

## **NEW!** P1™ Turn-Tell™ Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer

C3. Abrasion Protection

- Fast loading P1™ Label Cassette includes both label material and ribbon to make changing labels easy
- Labels can be easily installed on existing terminated wires and assemblies without disconnecting the wires/cables
- Innovative label design allows labels to rotate for visibility from any angle, and for repositioning on the wire/cable to align legends and improve aesthetics
- Temperature range: -40°F to 200°F (-40°C to 93°C)

C4. Cable Management

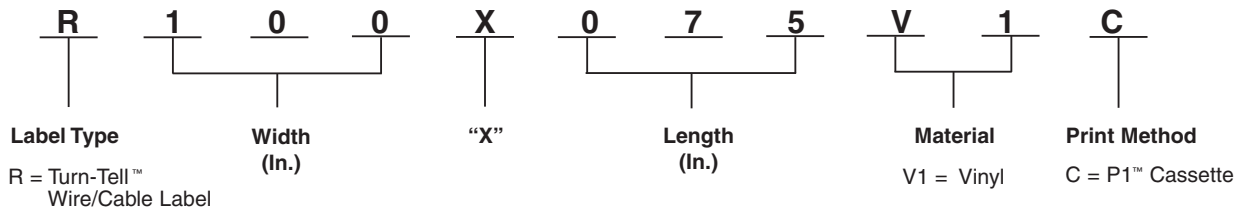


D1. Terminals

D2. Power Connectors

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## Part Number System for Wire/Cable Labeling



E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

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Part Number	Part Description	Width		Length		Print-On Area Height		Min. Cable O.D.		Max. Wire O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
<b>R100X075V1C</b>	White print-on, 18 – 14 AWG wire/cable, 150/cassette.	1.00	25.4	0.75	19.1	0.25	6.4	0.12	3.1	0.16	4.1	1	10
<b>R100X125V1C</b>	White print-on, 12 – 10 AWG wire/cable, 100/cassette.	1.00	25.4	1.25	31.8	0.38	9.7	0.16	4.1	0.22	5.6	1	10
<b>R100X150V1C</b>	White print-on, Cat. 5/5e/6 cable, 100/cassette.	1.00	25.4	1.50	38.1	0.50	12.7	0.22	5.6	0.28	7.1	1	10
<b>R100X225V1C</b>	White print-on, 8 – 4 AWG wire/cable, 75/cassette.	1.00	25.4	2.25	57.2	0.75	19.1	0.28	7.1	0.39	9.9	1	10

Order number of cassettes required.

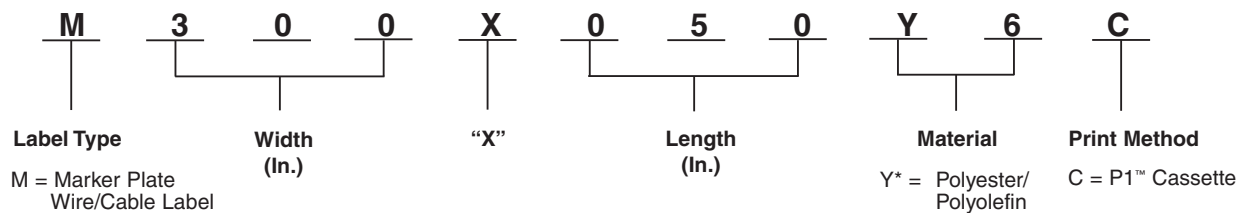
## P1™ Marker Plate Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer

- Fast loading P1™ Label Cassette includes both label material and ribbon to make changing labels easy
- Marker plates are designed for use on larger diameter wire/cables and may be applied after all terminations are complete

- Meets requirements for MIL-STD-202F, Notice 12 Method 215J
- Temperature range: -40°F to 176°F (-40°C to 80°C)



### Part Number System for Wire/Cable Labeling



Part Number	Color	Width		Length		Print-On Area Width		Recommended Cable Tie		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	Vertical	Horizontal		
M300X050Y6C	Yellow	3.00	76.2	0.50	12.7	1.80	45.7	PLT2.5I-C	PLT2.5I-C	1	10
M300X050Y7C	White	3.00	76.2	0.50	12.7	1.80	45.7	PLT2.5I-C	PLT2.5I-C	1	10

Order number of cassettes required.

## P1™ Flag Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer

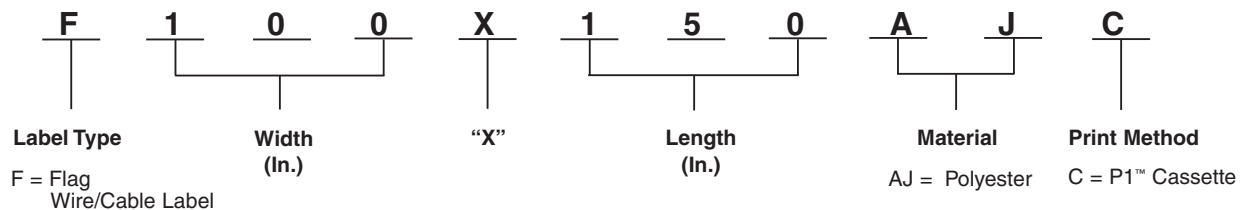


- Fast loading P1™ Label Cassette includes both label material and ribbon to make changing labels easy
- Provides larger labeling area for small cables

- Innovative design allows flag labels to be applied in either adhesive or non-adhesive orientations
- Temperature range: -40°F to 302°F (-40°C to 150°C)



### Part Number System for Wire/Cable Labeling



Part Number	Width		Length		Min. Cable O.D.		Max. Wire O.D.		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm		
F100X150AJC	1.00	25.4	1.50	38.1	0.12	3.1	0.20	5.1	1	10

Order number of cassettes required.



A. System Overview

## P1™ Military Grade Continuous Heat Shrink Label Cassettes for PanTher™ LS8E or Cougar™ LS9 Hand-Held Thermal Transfer Printers

B1. Cable Ties

- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Fast loading label cassette includes both label material and ribbon to make changing labels easy

- Meets print performance requirements of MIL-M-81531 and MIL-STD-202F Method 215A, Solution A, C, and D
- Meets UL Standard 224 for flammability
- Shrink ratio 3:1
- Each cassette contains a continuous roll of non-adhesive flattened polyolefin that can be cut-to-length

B2. Cable Accessories

B3. Stainless Steel Ties

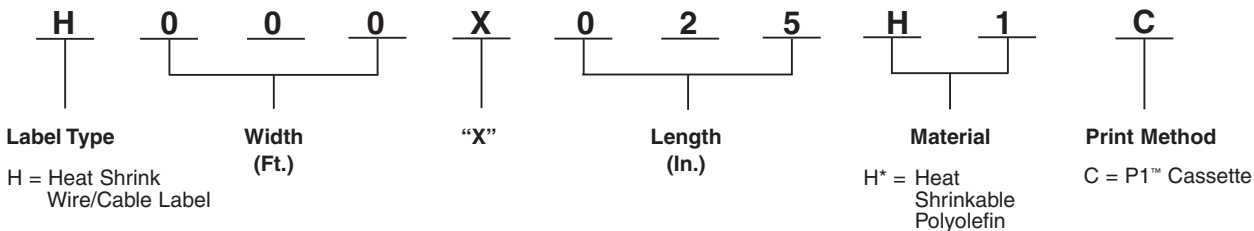


C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

### Part Number System for Wire/Cable Labeling



C4. Cable Management

D1. Terminals

### Material/Print Method Selection Chart

Material	Print Method	Temperature Range	Features
Heat Shrinkable Polyolefin, White (H*)	P1™ Cassette	-67°F to 275°F (-55°C to 135°C)	Durable flattened polyolefin, high quality heat shrink wire/cable labels.

D2. Power Connectors

D3. Grounding Connectors

Part Number	Part Description	Width		Length		Min. Cable Diameter		Max. Cable Diameter		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m	In.	mm	In.	mm		
<b>H000X025H1C</b>	White, 1/8" diameter heat shrinkable polyolefin, 22 – 16 AWG.	0.25	6.4	8.0	2.4	0.04	1.0	0.13	3.3	1	10
<b>H000X025H2C</b>	Yellow, 1/8" diameter heat shrinkable polyolefin, 22 – 16 AWG.	0.25	6.4	8.0	2.4	0.04	1.0	0.13	3.3	1	10
<b>H000X034H1C</b>	White, 3/16" diameter heat shrinkable polyolefin, 18 – 12 AWG.	0.34	8.6	8.0	2.4	0.06	1.5	0.19	4.8	1	10
<b>H000X034H2C</b>	Yellow, 3/16" diameter heat shrinkable polyolefin, 18 – 12 AWG.	0.34	8.6	8.0	2.4	0.06	1.5	0.19	4.8	1	10
<b>H000X044H1C</b>	White, 1/4" diameter heat shrinkable polyolefin, 16 – 10 AWG.	0.44	11.2	6.0	1.8	0.08	2.0	0.25	6.4	1	10
<b>H000X044H2C</b>	Yellow, 1/4" diameter heat shrinkable polyolefin, 16 – 10 AWG.	0.44	11.2	6.0	1.8	0.08	2.0	0.25	6.4	1	10
<b>H000X064H1C</b>	White, 3/8" diameter heat shrinkable polyolefin, 12 – 6 AWG.	0.64	16.3	6.0	1.8	0.13	3.3	0.38	9.7	1	10
<b>H000X064H2C</b>	Yellow, 3/8" diameter heat shrinkable polyolefin, 12 – 6 AWG.	0.64	16.3	6.0	1.8	0.13	3.3	0.38	9.7	1	10
<b>H000X084H1C</b>	White, 1/2" diameter heat shrinkable polyolefin, 8 – 1 AWG.	0.84	21.3	6.0	1.8	0.17	4.3	0.50	12.7	1	10
<b>H000X084H2C</b>	Yellow, 1/2" diameter heat shrinkable polyolefin, 8 – 1 AWG.	0.84	21.3	6.0	1.8	0.17	4.3	0.50	12.7	1	10

Order number of cassettes required.

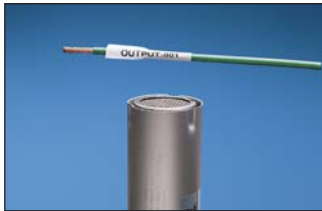
E1.8

Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.

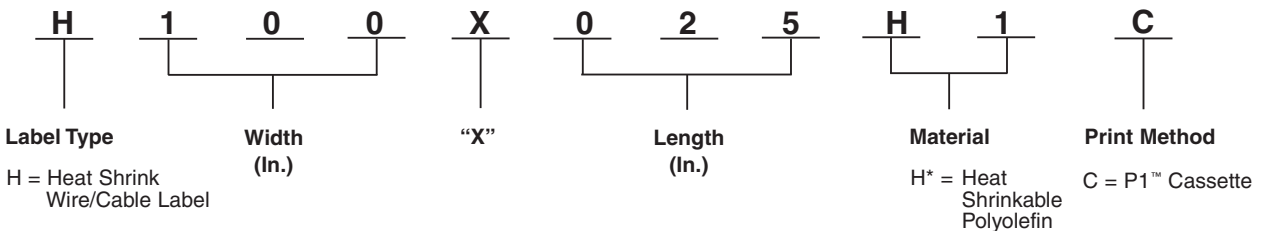
## P1™ Military Grade Die-Cut Heat Shrink Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer

- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Meets print performance requirements of MIL-M-81531 and MIL-STD-202F Method 215A, Solution A, C, and D
- Meets UL Standard 224 for flammability
- Shrink ratio 3:1
- Each cassette contains a roll of die-cut non-adhesive flattened polyolefin



**LS8E**

### Part Number System for Wire/Cable Labeling



### Material/Print Method Selection Chart

Material	Print Method	Temperature Range	Features
Heat Shrinkable Polyolefin (H*)	P1™ Cassette	-67°F to 275°F (-55°C to 135°C)	Durable flattened polyolefin, high quality heat shrink wire/cable labels.

Part Number	Part Description	Width		Length		Min. Cable Diameter		Max. Cable Diameter		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm		
H100X025H1C	White, 1/8" diameter heat shrinkable polyolefin, 22 – 16 AWG, 100/cassette.	0.25	6.4	1.00	25.4	0.04	1.0	0.13	3.3	1	10
H100X025H2C	Yellow, 1/8" diameter heat shrinkable polyolefin, 22 – 16 AWG, 100/cassette.	0.25	6.4	1.00	25.4	0.04	1.0	0.13	3.3	1	10
H100X034H1C	White, 3/16" diameter heat shrinkable polyolefin, 18 – 12 AWG, 100/cassette.	0.34	8.6	1.00	25.4	0.06	1.5	0.19	4.8	1	10
H100X034H2C	Yellow, 3/16" diameter heat shrinkable polyolefin, 18 – 12 AWG, 100/cassette.	0.34	8.6	1.00	25.4	0.06	1.5	0.19	4.8	1	10
H100X044H1C	White, 1/4" diameter heat shrinkable polyolefin, 16 – 10 AWG, 100/cassette.	0.44	11.2	1.00	25.4	0.08	2.0	0.25	6.4	1	10
H100X044H2C	Yellow, 1/4" diameter heat shrinkable polyolefin, 16 – 10 AWG, 100/cassette.	0.44	11.2	1.00	25.4	0.08	2.0	0.25	6.4	1	10
H100X064H1C	White, 3/8" diameter heat shrinkable polyolefin, 12 – 6 AWG, 75/cassette.	0.64	16.3	1.00	25.4	0.13	3.3	0.38	9.7	1	10
H100X064H2C	Yellow, 3/8" diameter heat shrinkable polyolefin, 12 – 6 AWG, 75/cassette.	0.64	16.3	1.00	25.4	0.13	3.3	0.38	9.7	1	10
H100X084H1C	White, 1/2" diameter heat shrinkable polyolefin, 8 – 1 AWG, 75/cassette.	0.84	21.3	1.00	25.4	0.17	4.3	0.50	12.7	1	10
H100X084H2C	Yellow, 1/2" diameter heat shrinkable polyolefin, 8 – 1 AWG, 75/cassette.	0.84	21.3	1.00	25.4	0.17	4.3	0.50	12.7	1	10

Order number of cassettes required.

For technical assistance in the U.S., call 866-405-6654 (outside the U.S., see inside back cover for directory)

Courtesy of Steven Engineering, Inc. - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

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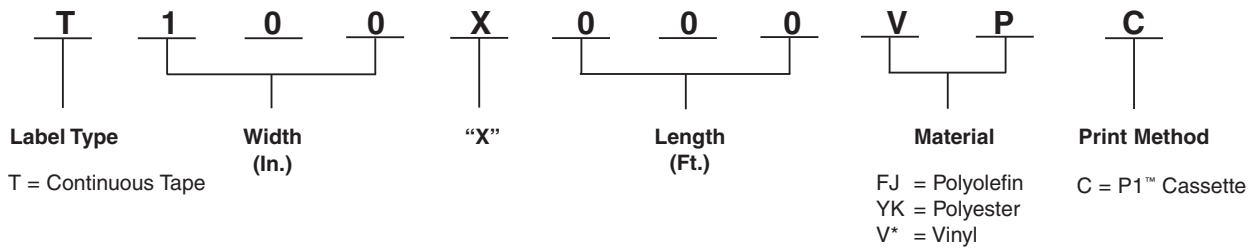


## P1™ Continuous Tape Cassettes for PanTher™ LS8E and Cougar™ LS9 Hand-Held Thermal Transfer Printers

- P1™ Label Cassette contains an integrated memory device for automatic formatting, recall of last legend used, and number of labels remaining in the cassette
- Fast loading label cassette includes both label material and ribbon to make changing labels easy
- Print custom pipe markers, voltage markers, signs and bin marker labels on demand
- Available in a variety of colors, widths, and adhesive materials including continuous polyolefin, polyester, and vinyl
- For flat label applications only



### Part Number System for Continuous Tapes



### Material/Print Method Selection Chart

Material	Print Method	Temperature Range	Features
Polyolefin, White (FJ)	P1™ Cassette	-40°F to 180°F (-40°C to 82°C)	Indoor/outdoor rated; thin conformable material for general identification; excellent print quality.
Polyester, Clear (YK)		-40°F to 257°F (-40°C to 125°C)	Indoor/outdoor rated; laminated label material protects legend from abrasion and chemicals; resistant to UV light chemical atmosphere and abrasion; excellent life and adhesion properties.
Polymer Film, White (RP) Orange (RU) Yellow (RX)		-40°F to 180°F (-40°C to 82°C)	Indoor/outdoor rated; heavy duty reflective material for flat applications and safety and facility identification; resistant to UV light, chemical atmosphere and abrasion.
Vinyl, White (VP) Blue (VQ) Green (VS) Orange (VU) Red (VV) Yellow (VX) Black (VY)		-58°F to 176°F (-50°C to 80°C)	Indoor/outdoor rated; conformable material for flat applications and safety and facility identification; can be overlaminated to increase durability.

Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m		
T019X000FJC-BK	Black on white, polyolefin module label tape.	.19	4.83	25.0	7.6	1	10
T024X000FJC-BK	Black on white, polyolefin tape, terminal block label.	.24	6.10	25.0	7.6	1	10
T031X000FJC-BK	Black on white, polyolefin tape, terminal block label.	.31	7.87	25.0	7.6	1	10
T038X000FJC-BK	Black on white, polyolefin tape, terminal block label.	.38	9.65	25.0	7.6	1	10

Order number of cassettes required.

Table continues on page E1.12

A. System Overview

## P1™ Continuous Tape Cassettes for PanTher™ LS8E and Cougar™ LS9 Hand-Held Thermal Transfer Printers (continued)

B1. Cable Ties

Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m		
T038X000VPC-BK	Black on white, vinyl tape.	0.38	9.65	25.0	7.6	1	10
T038X000VYC-WH	White on black, vinyl tape.	0.38	9.65	25.0	7.6	1	10
T038X000YKC-BK	Black on clear, polyester tape.	0.38	9.65	25.0	7.6	1	10
T050X000VPC-BK	Black on white, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VQC-BK	Black on blue, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VQC-WH	White on blue, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VSC-BK	Black on green, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VSC-WH	White on green, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VUC-BK	Black on orange, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VWC-BK	Black on red, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VWC-WH	White on red, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VXC-BK	Black on yellow, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000VYC-WH	White on black, vinyl tape.	0.50	12.70	25.0	7.6	1	10
T050X000YKC-BK	Black on clear, polyester tape.	0.50	12.70	25.0	7.6	1	10
T050X000YKC-WH	White on clear, polyester tape.	0.50	12.70	25.0	7.6	1	10
T075X000VPC-BK	Black on white, vinyl tape.	0.75	19.05	25.0	7.6	1	10
T075X000YKC-BK	Black on clear, polyester tape.	0.75	19.05	25.0	7.6	1	10
T100X000VPC-BK	Black on white, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VQC-BK	Black on blue, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VQC-WH	White on blue, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VSC-BK	Black on green, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VSC-WH	White on green, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VUC-BK	Black on orange, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VUC-WH	White on orange, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VWC-BK	Black on red, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VWC-WH	White on red, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VXC-BK	Black on yellow, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VXC-WH	White on yellow, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000VYC-WH	White on black, vinyl tape.	1.00	25.40	25.0	7.6	1	10
T100X000YKC-BK	Black on clear, polyester tape.	1.00	25.40	25.0	7.6	1	10
T100X000YKC-WH	White on clear, polyester tape.	1.00	25.40	25.0	7.6	1	10

Order number of cassettes required.

E1. Labeling Systems

## P1™ Continuous Reflective Tape Cassettes for PanTher™ LS8E and Cougar™ LS9 Hand-Held Thermal Transfer Printers

- Fast loading P1™ Label Cassette includes both label material and ribbon to make changing labels easy
- Reflective material improves label visibility in low light conditions
- For flat label applications only

E3. Pre-Printed & Write-On Markers

Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m		
T100X000RPC-BK	Black on white, reflective tape.	1.00	25.4	18.0	5.5	1	10
T100X000RUC-BK	Black on orange, reflective tape.	1.00	25.4	18.0	5.5	1	10
T100X000RXC-BK	Black on yellow, reflective tape.	1.00	25.4	18.0	5.5	1	10

Order number of cassettes required.

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

## TDP43MY Thermal Transfer Desktop Printer and Accessories

- Compact, lightweight design enables use in office or remote locations
- 300 dpi thermal transfer printer creates crisp, clear legends with superior legibility
- Up to 2.00 inches per second print speed for fast label production
- Use to print a wide variety of self-laminating labels, component labels, non-laminated labels, heat shrink labels, marker plates and continuous tapes up to 4.00 inches wide
- Easy-Mark™ Labeling Software and hybrid ribbon included with printer



Part Number	Description	Std. Pkg. Qty.
TDP43MY	300 dpi printer; includes printer, Panduit® Easy-Mark™ Labeling Software, RMH4BL hybrid black ribbon, AC power adapter with US and Europlug power cords, manual and quick start card.	1
TDP43ME-RS	External label roll stand – used to rear feed labels that are supplied on 3.00" cores.	1
TDP43M-CASE	Hardside carrying case. Accommodates printer, AC power adapter, ribbons, printer cable, labels and tools.	1
TDP43M-ACY	Replacement AC power adapter with power cord (US cord only).	1
PTR-CLN	Printer cleaning kit – contains bottle of cleaning solution with MSDS, cleaning pen, swabs, alcohol wipes and cleaning instructions.	1

## Ribbons for Use with the TDP43MY Thermal Transfer Desktop Printer

- **Hybrid** – Recommended for use with self-laminating, heat shrink, component and non-laminated labels
- **Wax** – Recommended for use with self-laminating and non-laminated labels
- **Resin** – Recommended for use with component labels, marker plates, and continuous tape



Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m		
RMH2BL	Black, hybrid thermal transfer ribbon. For use with self-laminating, component, heat shrink and non-laminated labels.	2.52	63.5	240.00	73.0	1	12
RMH4BL	Black, hybrid thermal transfer ribbon. For use with self-laminating, component, heat shrink and non-laminated labels.	4.33	110.0	240.00	73.0	1	12
RMW2BL	Black, wax thermal transfer ribbon. For use with self-laminating vinyl and non-laminated labels.	2.52	63.5	240.00	73.0	1	12
RMW4BL	Black, wax thermal transfer ribbon. For use with self-laminating and non-laminated labels.	4.33	110.0	240.00	73.0	1	12
RMR2BL	Black, resin thermal transfer ribbon. For use with component labels, marker plates, and continuous tape.	2.52	63.5	240.00	73.0	1	12
RMR2WH	White, resin thermal transfer ribbon. For use with component labels, marker plates, and continuous tape.	2.52	63.5	240.00	73.0	1	12
RMR4BL*	Black, resin thermal transfer ribbon. For use with component labels, marker plates, and continuous tape.	4.33	110.0	240.00	73.0	1	12
RMR4BL-A	Black, resin thermal transfer ribbon. For use with component labels, marker plates, and continuous tape.	4.33	110.0	240.0	73.0	1	12

Order number of ribbons required.

\*Other colors available, replace BL (Black) with WH (White), BU (Blue), GR (Green) or RD (Red).

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

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D3. Grounding Connectors

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E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

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A. System Overview

## TDP42HY, TDP43HY, TDP46HY Thermal Transfer Desktop Printers

B1. Cable Ties

- Rugged, high speed industrial printer
- 203, 305, or 609 dpi thermal transfer printers create crisp, clear legends with superior legibility
- Up to 10.00 inches per second print speed for fast label production
- Use to print a wide variety of self-laminating labels, component labels, non-laminated labels, marker plate, continuous tapes and heat shrink labels up to 4.00 inches wide
- Easy-Mark™ Labeling Software and hybrid ribbon included with printer

B2. Cable Accessories

B3. Stainless Steel Ties



Part Number	Part Description	Std. Pkg. Qty.
<b>TDP42HY</b>	203 dpi printer for high volume applications, Panduit® Easy-Mark™ Labeling Software, RHH4BL-S hybrid black ribbon, AC power adapter and manual.	1
<b>TDP43HY</b>	305 dpi printer for high volume applications, Panduit® Easy-Mark™ Labeling Software, RHH4BL-S hybrid black ribbon, AC power adapter and manual.	1
<b>TDP46HY</b>	609 dpi printer for high volume applications, Panduit® Easy-Mark™ Labeling Software, RHH4BL-S hybrid black ribbon, AC power adapter and manual.	1

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

## Ribbons for use with the TDP42HY, TDP43HY and TDP46HY Thermal Transfer Desktop Printers

D2. Power Connectors

- **Hybrid** – Recommended for use with self-laminating, heat shrink, component and non-laminated labels
- **Resin** – Recommended for use with component labels, marker plates, and continuous tape
- **Wax** – Recommended for use with self-laminating and non-laminated labels

D3. Grounding Connectors



Part Number	Part Description	Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	Ft.	m		
<b>RHH4BL-S</b>	Black, hybrid thermal transfer ribbon. Recommended for use with self-laminating, heat shrink, component and non-laminated labels.	4.33	109.98	1181.0	359.96	1	2
<b>RHW4BL-S</b>	Black, wax thermal transfer ribbon. Recommended for use with self-laminating and non-laminated labels.	4.33	109.98	1181.0	359.96	1	2
<b>RHR4BL-S</b>	Black, resin thermal transfer ribbon. Recommended for use with component labels and continuous tape.	4.33	109.98	1181.0	359.96	1	2

Order number of ribbons required.

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

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## LABELING SOFTWARE

Panduit labeling software is custom designed to address your requirements for wire/cable labeling, component identification, network administration, as well as, safety and facility identification. From control panel wire identification, terminal block and facility pipe marking to patch panel, faceplate and wire/cable marking, Panduit software is the solution for your on-demand identification requirements.



- Easy-Mark™ Labeling Software is an easy-to-use, intuitive general purpose labeling software
- CAD-Connect™ Labeling Software generates labels quickly and easily directly from an electronic CAD file

Panduit user-friendly software packages meet the unique requirements of your applications.

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A. System Overview

## Easy-Mark™ Labeling Software

B1. Cable Ties

- Easy-Mark™ Labeling Software simplifies label creation for the specific needs of your applications
- Instructions and user interface are available in English, French, German, Italian, Spanish, Korean, Japanese, Chinese and Portuguese

- Easy-Mark™ Labeling Software is part of a complete line of innovative identification solutions from Panduit
- Supports most WINDOWS^ fonts drivers for standard thermal transfer, dot matrix, laser and ink jet, including Panduit thermal transfer printers

B2. Cable Accessories

- Intuitive interview process allows automatic generation of labels and signs
- Software selects and formats the optimum label for your specific application

### System Requirements:

- WINDOWS^ 2000, XP, Vista, or 7; 64MB hard drive space and 64MB RAM (256MB RAM recommended)

B3. Stainless Steel Ties

- WYSIWYG (What You See Is What You Get) user interface, alpha/numeric serialization, data import, symbol import

C1. Wiring Duct



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>PROG-EMCD3</b>	Easy-Mark™ Labeling Software supplied on CD-ROM.	1	10
<b>PROG-EM2GO</b>	Easy-Mark™ Portable Application, USB Flash Drive.	1	10

^WINDOWS is a registered trademark of Microsoft Corporation in the United States and/or other countries.

C2. Surface Raceway

C3. Abrasion Protection

## CAD-Connect™ Labeling Software

C4. Cable Management

- Generates labels quickly and easily directly from electronic CAD files
- Eliminates steps and time spent manually copying CAD identifiers into labeling software
- Program combines the power of an innovative wizard interview and Easy-Mark™ Labeling Software to capture and organize identifiers from electronic CAD files to automatically create and print labels
- Compatible with full versions of AutoCAD\* 2000i, 2002, 2004, 2006, 2007; AutoCAD Electrical 2005 and 2006; AutoCAD Architectural 2007 and 2008; AutoCAD Mechanical 2007 and 2008; and Visio^ 2002 and newer versions

- Exports to alternative formats such as EXCEL^ (XLS) or Text (CSV) files for future use and documentation

### System Requirements:

- WINDOWS^ 2000, XP, Vista, or 7; 64MB hard drive space and 64MB RAM (256MB RAM recommended)

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>PROG-CCCD</b>	CAD-Connect™ Labeling Software, including Easy-Mark™ Labeling Software, supplied on CD-ROM.	1	10

\*AutoCAD is a registered trademark of Autodesk, Inc.

^Visio, WINDOWS, and EXCEL are registered trademarks of Microsoft Corporation in the United States and/or other countries.

E1. Labeling Systems

E2. Labels

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