A. System Overview
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B2. Cable Accessories
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C1. Wiring Duct
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C4. Cable Management
D1. Terminals
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E1. Labeling Systems
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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.

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

LS8E-KIT

LS8EQ

Part Number	Part Description	Std. Pkg. Qty.
LS8EQ-KIT-ACS	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
LS8EQ-KIT	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
LS8EQ	Includes LS8EQ printer with QWERTY keypad, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries and quick reference card.	1
LS8E-KIT-ACS	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
LS8E-KIT	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
LS8E	Includes LS8E printer, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries and quick reference card.	1
LS8E-ACS*	120 VAC power adapter for North America.	1
LS8-CASE	Rigid carrying case.	1
LS8-PCKIT	Includes USB cable and PC interface software for importing data, system upgrades, or printing from a wireless laptop or desktop computer.	1
LS8-IB	Protective impact bumper.	1
LS8-WS	Wrist strap.	1
LS8-CLN	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

LS9Q

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

*Cannot be used to charge batteries.
Other adapters available, replace S with A (Australia), C (China), E (Europe) and U (UK).

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

Prime items appear in **BOLD**.

PANDUIT®

Hand-Held Thermal Transfer Printing Solutions

PanTher™ LS8E

Cougar™ LS9

	PanTher™ LS8E	Cougar™ LS9
Self-Laminating Labels	Page E1.3	
Die-Cut Vinyl Cloth Labels	Page E1.6	
Turn-Tell™ Labels	Page E1.6	
Marker Plates	Page E1.7	
Flag Labels	Page E1.7	
Die-Cut Heat Shrink Tubing	Page E1.9	
Die-Cut Component Labels	Page E1.10	
Vinyl Cloth Continuous Tapes	Page E1.5	Page E1.5
Nylon Cloth Continuous Tapes	Page E1.5	Page E1.5
Continuous Heat Shrink Tubing	Page E1.8	Page E1.8
Continuous Tapes	Page E1.11	Page E1.11
Continuous Reflective Tapes	Page E1.12	Page E1.12

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 overlaminate
- Labels are available in a large range of wire/cable sizes

LS8E

Part Number System for Wire/Cable Labeling

S	0 5 0	X	0 7 5	V	A	C
Label Type	**Width (In.)**	**"X"**	**Length (In.)**	**Material**		**Print Method**
S = Self-Laminating Wire/Cable Label				V* = Vinyl		C = P1™ Cassette

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

P1™ Self-Laminating Label Cassettes for PanTher™ LS8E Hand-Held Thermal Transfer Printer (continued)

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		
S050X075VAC	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
S050X125VAC	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
S050X150VAC	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
S075X075VAC	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
S075X100VAC	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
S075X125VAC	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
S075X150VAC	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
S100X075VAC	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
S100X125VAC	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
S100X150VAC	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
S100X150VBC	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
S100X150VDC	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
S100X150VHC	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
S100X150VIC	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
S100X225VAC	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
S100X225VBC	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
S100X225VDC	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
S100X225VHC	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
S100X225VIC	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
S100X400VAC	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
S100X650VAC	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).

Order number of pieces required, in multiples of Standard Package Quantity.
Prime items appear in **BOLD**.

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

LS8E LS9

Part Number System for Wire/Cable Labeling

N	0 5 0	X	0 7 5	C B	C
Label Type	Width (In.)	"X"	Length (In.)	Material	Print Method

Label Type

N = Non-Laminated Die-Cut Wire/Cable Label

T = Non-Laminated Continuous Tape Wire/Cable Label

Width (In.)

"X"

Length (In.)

Material

CB = Vinyl Cloth

C1 = Nylon Cloth

C2 = Nylon Cloth

Print Method

C = P1™ Cassette

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		
Continuous – For Use in PanTher™ LS8E and Cougar™ LS9 Hand-Held Thermal Transfer Printers							
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

P1™ Non-Laminated Label Cassettes (continued)

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		
Die-Cut – For Use in PanTher™ LS8E Hand-Held Thermal Transfer Printers											
N050X075CBC	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
N050X150CBC	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
N100X125CBC	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
N100X150CBC	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
N100X175CBC	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.

NEW!

P1™ Turn-Tell™ 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
- 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
- Labels can be easily installed on existing terminated wires and assemblies without disconnecting the wires/cables
- Temperature range: -40°F to 200°F (-40°C to 93°C)

Part Number System for Wire/Cable Labeling

R	1 0 0	X	0 7 5	V 1	C
Label Type	**Width (In.)**	**"X"**	**Length (In.)**	**Material**	**Print Method**
R = Turn-Tell™ Wire/Cable Label				V1 = Vinyl	C = P1™ Cassette

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		
R100X075V1C	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
R100X125V1C	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
R100X150V1C	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
R100X225V1C	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.

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

Prime items appear in **BOLD**.

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

M	3	0	0	X	0	5	0	Y	6	C
Label Type	Width (In.)			"X"	Length (In.)			Material		Print Method

M = Marker Plate Wire/Cable Label

Y* = Polyester/ Polyolefin

C = P1™ Cassette

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

NEW!

- 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

F	1	0	0	X	1	5	0	A	J	C
Label Type	Width (In.)			"X"	Length (In.)			Material		Print Method

F = Flag Wire/Cable Label

AJ = Polyester

C = P1™ Cassette

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
B1. Cable Ties
B2. Cable Accessories
B3. Stainless Steel Ties
C1. Wiring Duct
C2. Surface Raceway
C3. Abrasion Protection
C4. Cable Management
D1. Terminals
D2. Power Connectors
D3. Grounding Connectors
E1. Labeling Systems
E2. Labels
E3. Pre-Printed & Write-On Markers
E4. Permanent Identification
E5. Lockout/ Tagout & Safety Solutions
F. Index

P1™ Military Grade Continuous Heat Shrink Label Cassettes for PanTher™ LS8E or 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
- 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

LS8E LS9

Part Number System for Wire/Cable Labeling

H	0 0 0	X	0 2 5	H 1	C
Label Type	**Width (Ft.)**	**"X"**	**Length (In.)**	**Material**	**Print Method**
H = Heat Shrink Wire/Cable Label				H* = Heat Shrinkable Polyolefin	C = P1™ Cassette

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.

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		
H000X025H1C	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
H000X025H2C	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
H000X034H1C	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
H000X034H2C	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
H000X044H1C	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
H000X044H2C	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
H000X064H1C	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
H000X064H2C	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
H000X084H1C	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
H000X084H2C	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.

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

H	1	0	0	X	0	2	5	H	1	C
Label Type	Width (In.)			"X"	Length (In.)			Material		Print Method

H = Heat Shrink Wire/Cable Label

H* = Heat Shrinkable Polyolefin

C = P1™ Cassette

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.

P1™ General Component Label Cassettes for PanTher™ LS8E 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
- Use for identifying flat surfaces such as components, control panels, circuit boards and general labeling
- Die-cut labels designed to provide maximum aesthetic quality and appearance
- Available in polyester and vinyl cloth materials

LS8E

Part Number System for Component Labeling

C	0 6 0	X	0 2 0	Y J	C
Label Type	**Width (In.)**	**"X"**	**Height (In.)**	**Material**	**Print Method**
C = Component Label				Y* = Polyester CB = Vinyl Cloth	C = P1™ Cassette

Material/Print Method Selection Chart

Material	Print Method	Temperature Range	Features
Polyester, White (YJ) Silver (YM) SuperTack Polyester, White (YP)	P1™ Cassette	-40°F to 302°F (-40°C to 150°C)	Indoor/outdoor rated; provides durability, high temperature resistance, and dimensional stability, does not stretch or easily tear.
Vinyl Cloth, White (CB)		-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.

Part Number	Part Description	Width		Height		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm		
C060X020YJC	White, polyester label, 750/cassette.	0.60	15.2	0.20	5.1	1	10
C100X025YJC	White, polyester label, 500/cassette.	1.00	25.4	0.25	6.4	1	10
C100X050CBC	White, vinyl cloth label, 175/cassette.	1.00	25.4	0.50	12.7	1	10
C100X050YJC	White, polyester label, 500/cassette.	1.00	25.4	0.50	12.7	1	10
C100X050YMC	Silver, polyester label, 500/cassette.	1.00	25.4	0.50	12.7	1	10
C150X075YJC	White, polyester label, 250/cassette.	1.50	38.1	0.75	19.1	1	10
C200X050CBC	White, vinyl cloth label, 50/cassette.	2.00	50.8	0.50	12.7	1	10
C200X050YJC	White, polyester label, 200/cassette.	2.00	50.8	0.50	12.7	1	10
C200X100YJC	White, polyester label, 200/cassette.	2.00	50.8	1.00	25.4	1	10
C200X100YMC	Silver, polyester label, 150/cassette.	2.00	50.8	1.00	25.4	1	10
C200X100YPC	White, high tack polyester label, 200/cassette.	2.00	50.8	1.00	25.4	1	10

Order number of cassettes required.

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

Prime items appear in **BOLD**.

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

LS8E LS9

Part Number System for Continuous Tapes

T	1	0	0	X	0	0	0	V	P	C
Label Type	Width (In.)			"X"	Length (Ft.)			Material		Print Method

T = Continuous Tape

FJ = Polyolefin
YK = Polyester
V* = Vinyl

C = P1™ Cassette

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 (VW) 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

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

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.

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

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.

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

Prime items appear in **BOLD**.

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).

TDP42HY, TDP43HY, TDP46HY Thermal Transfer Desktop Printers

- 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

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

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

- **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		
RHH4BL-S	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
RHW4BL-S	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
RHR4BL-S	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.

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

Prime items appear in **BOLD**.

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.

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
D1. Terminals
D2. Power Connectors
D3. Grounding Connectors
E1. Labeling Systems
E2. Labels
E3. Pre-Printed & Write-On Markers
E4. Permanent Identification
E5. Lockout/ Tagout & Safety Solutions
F. Index

Easy-Mark™ Labeling Software

- 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 Portugese
- Intuitive interview process allows automatic generation of labels and signs
- Software selects and formats the optimum label for your specific application
- WYSIWYG (What You See Is What You Get) user interface, alpha/numeric serialization, data import, symbol import
- 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

System Requirements:

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

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
PROG-EMCD3	Easy-Mark™ Labeling Software supplied on CD-ROM.	1	10
PROG-EM2GO	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.

CAD-Connect™ Labeling Software

- 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)

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
PROG-CCCD	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.

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

Prime items appear in **BOLD**.