Panduit™

Viper™ | LS6 Thermal Transfer
Portable Printer

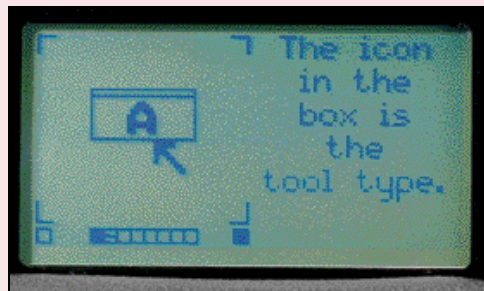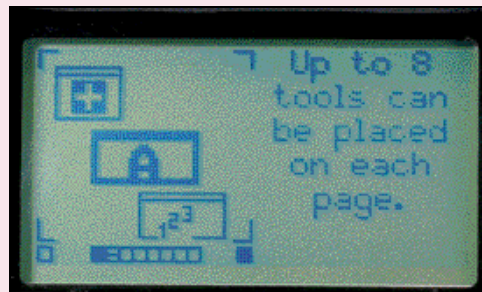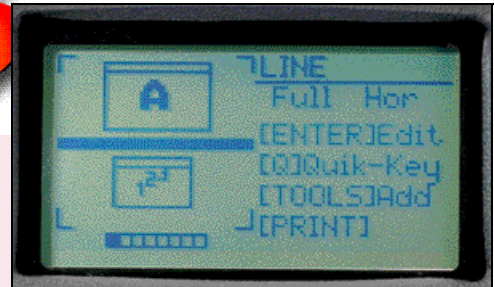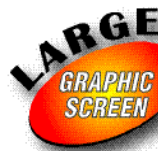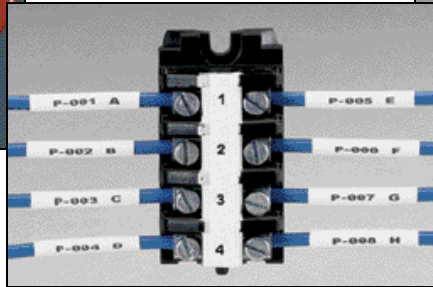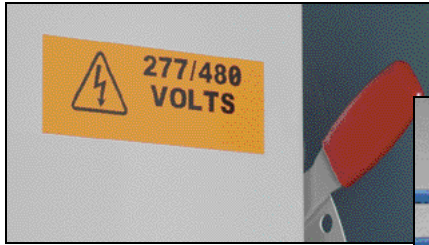## Features

- Crisp 203 dpi thermal transfer print for professional looking labels with no smearing
- Automatically recognizes label size and adjusts printer settings to eliminate wasted setup time
- Tracks number of labels remaining on the roll and warns operator if there are not enough labels on the roll to finish a print job
- Nickel Metal Hydride battery provides longer battery life, is less susceptible to memory effect, and is more environmentally friendly
- AC Adapter included so you can start printing right out of the box
- Internal overnight battery charger built into printer
- Fast loading ribbon cartridge lets you slide, lock and go! — No difficult ribbon threading
- 128K file memory reduces setup time by recalling frequently used labels
- Large, ergonomic input keys are easy to find and manipulate
- Rugged mechanical cutter — no need for scissors
- Annunciator sounds after each key stroke to improve data entry speed and accuracy
- Bi-directional feeding automatically feeds label forward for cutting and automatically reverse feeds to eliminate wasted label stock
- Handy calculator function included
- PCMCIA Card factory upgradeable

Label Design Flexibility
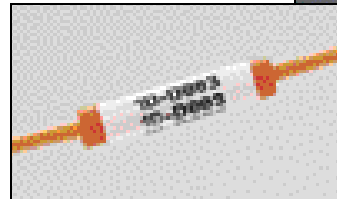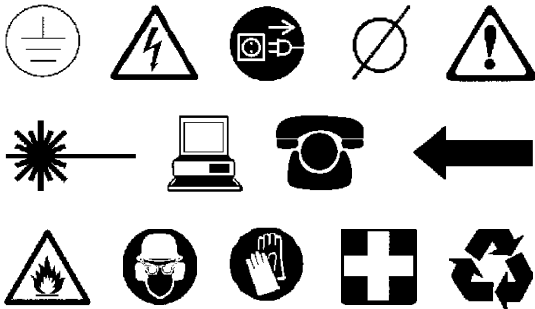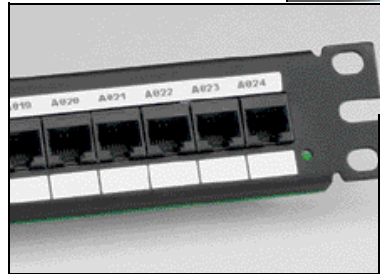
- 3.0" x 1.5" graphic screen display enables visual label design
- Print preview — eliminates guessing what your labels will look like
- Tools based firmware allows up to 8 different objects on a single label
- Choose from the following tools:
  - Text
  - Alpha and numeric serialization
  - Bar codes
  - Symbols
  - Date and time stamp
  - Line
  - Box
- Online help available on all screens

One Printer For All Your Labeling Needs

- Create wire markers, heat shrink labels, continuous tape, component labels, bin markers, pipe markers, safety/facility identification and network connectivity labels
- Labels are available in a variety of materials in widths from 0.25" to 2.00"
- Alpha and numeric serialization
- Bar code printing
- Date and time stamp
- Print text from 6 pt to 192 pt tall
- Large symbol library contains over 35 electrical, safety and network symbols Examples:

Computer Connectivity

- RS232 Port
- *ViperLink* ™ Software
  - Upgrade the operating system
  - Download files
  - Upload files
  - Create legend lists

Printer Mechanical Information

Print Method: 203 dpi thermal transfer print head

Size:

Height:	6.2"	(157 mm)
Width:	4.9"	(124 mm)
Length:	13.8"	(351 mm)
Weight:	4.1 lbs.	(1.9 kg)

Display: 3.0" wide x 1.5" tall (76 x 38 mm) graphics screen display

Keyboard: 49 color coded keys with ergonomically designed keypad

Power Source: 12VDC, 1200mAh rechargeable NiMH (Nickel Metal Hydride) Battery Pack (included) or AC Adapter (included)

Printer and Accessories

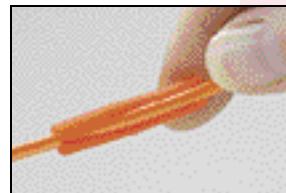| Part Number	Description	Std. Pkg. Qty.*	Std. Ctn. Qty.
LS6-KIT	Includes Printer, LS6-RWBLK Ribbon, Battery Pack, 120 VAC Adapter/Charger, Hardside Case and Operator's Manual	1	—
LS6-RWBLK	Wax Ribbon, Black, 2" x 100' For use with self-laminating, heat shrink and vinyl cloth materials	1	6
LS6-RRBLK	Resin Ribbon, Black 2" x 100' For use with polyester, polyolefin and vinyl materials	1	6
LS6-RRWHT	Resin Ribbon, White, 2" x 100' For use with clear polyester tape	1	6
LS6-BP	Replacement Battery Pack	1	—
LS6-ACS	Replacement 120 VAC Adapter/Charger	1	—
LS6-ACE	Optional Euro 230 VAC Adapter/Charger	1	—
LS6-ACU	Optional U.K. 240 VAC Adapter/Charger	1	—
LS6-ACA	Optional Australia 240 VAC Adapter/Charger	1	—
LS6-PCKIT	PC Interface Kit Serial Cable and *VIPERLINK*™ Software	1	—
LS6-CLN	Package of 5 Printer Cleaning Cards	1	5

*Order number of accessories required in multiples of Std. Pkg. Qty.

LABELCORE™ Fiber Optic Cable Identification System

• Allows user to slide or rotate label for easy viewing without damaging cable

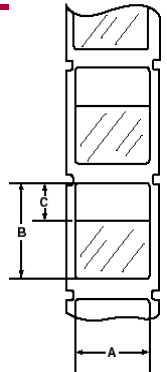| Part Number	Description	Std. Pkg. Qty.*	Std. Ctn. Qty.
LABELCORE Sleeve			
NWSLC-2	Yellow sleeve for 2mm fiber optic cable	100	1000
NWSLC-3	Orange sleeve for 3mm fiber optic cable		
Self-Laminating Label			
TWS-15V	Self-laminating vinyl label for use with NWSLC-2 and NWSLC-3 1.00" Width x 1.60" Height x 0.80" Print-On Height (25.4 x 40.6 x 20.3 mm), 250 labels/roll	1 Roll	10 Rolls

*Order number of cores or rolls required in multiples of Std. Pkg. Qty.

Apply *LABELCORE* Sleeve to cable

Wrap self-laminating label around *LABELCORE* Sleeve

Self-Laminating Labels for Wire and Cable

- Vinyl material with white print-on area
- Clear overlaminate protects legend
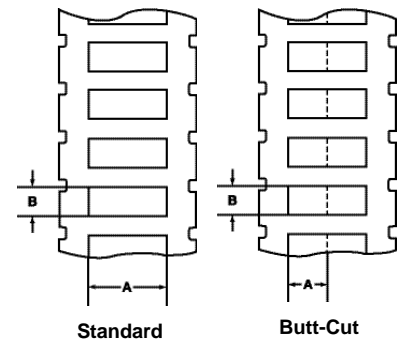- Print with LS6-RWBLK wax ribbon

Part Number	Label Width x Height A x B In. (mm)	Print-On Height C In. (mm)	Nominal Cable Diameter Range In. (mm)	Typical UTP Cable	Typical Fiber Optic Cable	Typical Electrical (THHN)	Labels/ Roll	Std. Pkg. Qty.*	Std. Ctn. Qty.
TWS-6V	0.50 x 0.75 (12.7 x 19.1)	0.38 (9.5)	0.12 (3.1)	—	—	12 AWG	500		
TWS-7V	1.00 x 0.75 (25.4 x 19.1)	0.38 (9.5)	0.12 (3.1)	—	—	12 AWG	250		
TWS-4V	0.50 x 1.00 (12.7 x 25.4)	0.38 (9.5)	0.12 - 0.20 (3.1 - 5.0)	—	2-4 Strand	12-10 AWG	400		
TWS-5V	1.00 x 1.00 25.4 x 25.4)	0.38 (9.5)	0.12 - 0.20 (3.1 - 5.0)	—	2-4 Strand	12-10 AWG	250		
TWS-1V	0.50 x 1.25 (12.7 x 31.8)	0.50 (12.7)	0.16 - 0.24 (4.0 - 6.1)	4 Pair	2-8 Strand	8 AWG	350		
TWS-2V	1.00 x 1.25 (25.4 x 31.8)	0.50 (12.7)	0.16 - 0.24 (4.0 - 6.1)	4 Pair	2-8 Strand	8 AWG	250	1 Roll	10 Rolls
TWS-3V	1.50 x 1.25 (38.1 x 31.8)	0.50 (12.7)	0.16 - 0.24 (4.0 - 6.1)	4 Pair	2-8 Strand	8 AWG	250		
TWS-40V	2.00 x 1.50 (50.8 x 38.1)	0.50 (12.7)	0.16 - 0.32 (4.0 - 8.1)	4 Pair	2-18 Strand	8-6 AWG	250		
TWS-10V	1.00 x 2.50 (25.4 x 63.5)	0.75 (19.1)	0.24 - 0.56 (6.1 - 14.2)	25 Pair	8-84 Strand	6 AWG-2/0	100		
TWS-11V	1.50 x 2.50 (38.1 x 63.5)	0.75 (19.1)	0.24 - 0.56 (6.1 - 14.2)	25 Pair	8-84 Strand	6 AWG-2/0	100		
TWS-13V	1.50 x 4.00 (38.1 x 101.6)	1.00 (25.4)	0.32 - 0.96 (8.1 - 24.3)	25 Pair	42-156 Strand	4 AWG-500 MCM	100		

* Order number of rolls required in multiples of Std. Pkg. Qty.

Heat Shrink Labels for Wire and Cable

- Flattened Polyolefin Material
- Service Temperature Range: -22°F to 220°F (-30°C to 105°C)
- Shrink Ratio 3:1 @ 212°F (100°C)
- Flammability meets UL Standard 224 for flammability
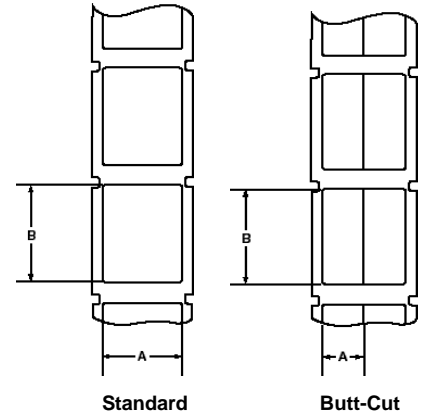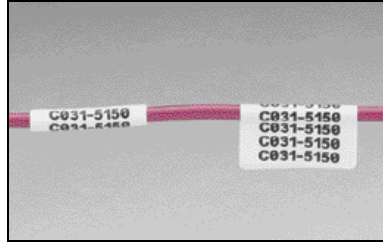- Color: White
- Print with LS6-RWBLK wax ribbon

Standard   **Butt-Cut**

Part Number	Tubing O.D. In. (mm)	Width x Height A x B In. (mm)	Nominal Cable Diameter Range In. (mm)	Typical UTP Cable	Typical Fiber Optic Cable	Typical Electrical (THHN)	Labels/ Roll	Std. Pkg. Qty.*	Std. Ctn. Qty.
THSW-1•	0.13 (3.2)	0.50 x 0.25 (12.7 x 6.4)	0.04 - 0.13 (1.1 - 3.2)	—	—	18-12 AWG	200		
THSW-2	0.13 (3.2)	1.00 x 0.25 (25.4 x 6.4)	0.04 - 0.13 (1.1 - 3.2)	—	—	18-12 AWG	100		
THSW-6•	0.19 (4.8)	0.50 x 0.34 (12.7 x 8.5)	0.06 - 0.19 (1.6 - 4.8)	—	2 Strand	18-10 AWG	200		
THSW-7	0.19 (4.8)	1.00 x 0.34 (25.4 x 8.5)	0.06 - 0.19 (1.6 - 4.8)	—	2 Strand	18-10 AWG	100	1 Roll	10 Rolls
THSW-3•	0.25 (6.4)	0.50 x 0.44 (12.7 x 11.2)	0.08 - 0.25 (2.1 - 6.4)	4 Pair	2-8 Strand	18-8 AWG	200		
THSW-4	0.25 (6.4)	1.00 x 0.44 (25.4 x 11.2)	0.08 - 0.25 (2.1 - 6.4)	4 Pair	2-8 Strand	18-8 AWG	100		
THSW-5	0.50 (12.7)	1.00 x 0.84 (25.4 x 21.3)	0.17 - 0.50 (4.2 - 12.7)	4 Pair	4-60 Strand	8-1 AWG	100		

•Indicates butt-cut style label
*Order number of rolls required in multiples of Std. Pkg. Qty.

Wire and Cable Labels

- Wrap around or flag wiring for effective identification
- Vinyl cloth material
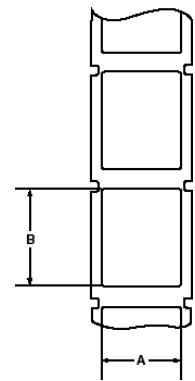- Color: White
- Print with LS6-RWBLK wax ribbon

Part Number	Width x Height A x B In. (mm)	Labels/ Roll	Std. Pkg. Qty.*	Std. Ctn. Qty.
TW-4C	0.50 x 0.75 (12.7 x 19.1)	250		
TW-6C•	0.50 x 0.75 (12.7 x 19.1)	500	1 Roll	10 Rolls
TW-2C	1.00 x 1.25 (25.4 x 31.8)	250		

•Indicates butt-cut style label
*Order number of rolls required in multiples of Std. Pkg. Qty.

Standard   **Butt-Cut**

Component Labels

- Property control, inventory tracking, product identification
- Available in polyester for permanent applications and vinyl cloth for temporary applications
- Color: White
- Print vinyl cloth labels with LS6-RWBLK wax ribbon
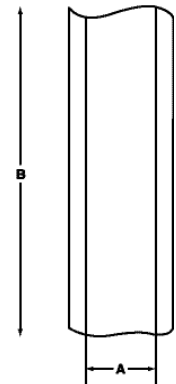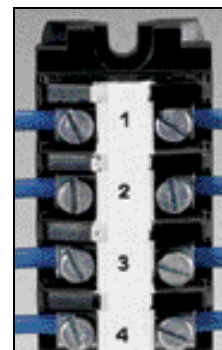- Print polyester labels with LS6-RRBLK resin ribbon

Part Number	Width x Height A x B In. (mm)	Material	Labels/ Roll	Std. Pkg. Qty.*	Std. Ctn. Qty.
TC-19Y	0.65 x 0.20 (16.5 x 5.1)	Polyester	750		
TC-17Y	1.00 x 0.38 (25.4 x 9.5)	Polyester	500		
TC-10C	1.00 x 0.50 (25.4 x 12.7)	Vinyl Cloth	500	1 Roll	10 Rolls
TC-4C	1.00 x 0.75 (25.4 x 19.1)	Vinyl Cloth	250		
TC-11Y	1.50 x 0.50 (38.1 x 12.7)	Polyester	500		
TC-16Y	2.00 x 0.25 (50.8 x 6.4)	Polyester	250		

*Order number of rolls required in multiples of Std. Pkg. Qty.

Terminal Block Labels

- Polyolefin material
- Color: White
- Print with LS6-RRBLK resin ribbon

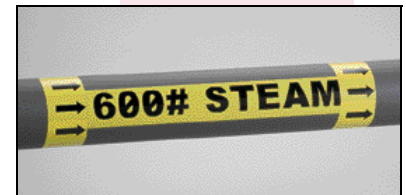| Part Number	Label Width A In. (mm)	Roll Length B Ft. (m)	Labels/ Roll	Std. Pkg. Qty.*	Std. Ctn. Qty.
TCT-13PO	0.24 (6.1)	30 (9.1)			
TCT-14PO	0.31 (7.9)	30 (9.1)	1	1 Roll	10 Rolls
TCT-15PO	0.38 (9.5)	30 (9.1)			

*Order number of rolls required in multiples of Std. Pkg. Qty.

Safety and Facility Identification - Continuous Tapes

- Bin marking, safety and facility identification, component labeling and pipe marking
- Print TCT-21YCL and TCT-2YCL with LS6-RRBLK or LS6-RRWHT resin ribbon. Print all other parts with LS6-RRBLK resin ribbon.
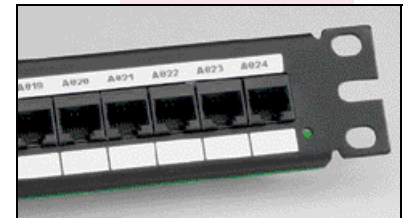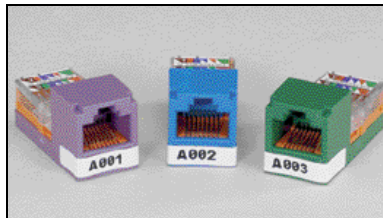
Part Number	Tape Width In. (mm)	Tape Length Ft. (m)	Color	Material	Std. Pkg. Qty.*	Std. Ctn. Qty.
TCT-20Y	0.25 (6.4)	50 (15.2)	White	Polyester		
TCT-21YCL	0.25 (6.4)	50 (15.2)	Clear	Polyester		
TCT-2YCL	1.00 (25.4)	50 (15.2)	Clear	Polyester		
TCT-1V	1.00 (25.4)	50 (15.2)	White	Vinyl		
TCT-3V	1.00 (25.4)	50 (15.2)	Yellow	Vinyl	1 Roll	10 Rolls
TCT-6V	1.00 (25.4)	50 (15.2)	Orange	Vinyl		
TCT-8V	2.00 (50.8)	50 (15.2)	White	Vinyl		
TCT-9V	2.00 (50.8)	50 (15.2)	Yellow	Vinyl		
TCT-10V	2.00 (50.8)	50 (15.2)	Orange	Vinyl		

*Order number of rolls required in multiples of Std. Pkg. Qty.

Network System Component Labels

- Identify faceplates, surface mount boxes, modular jacks and patch panels
- Print TNS-15YCL and TCT-21YCL with LS6-RRBLK or LS6-RRWHT resin ribbons. Print all other parts with LS6-RRBLK resin ribbon.

Part Number	Application	Width x Height In. (mm)	Can Be Used With The Following *PANDUIT* Part Numbers	Color	Material	Labels/ Roll	Std. Pkg. Qty.*	Std. Ctn. Qty.
TNS-1NY	Single gang faceplates; Junction boxes	1.95 x 0.40 (49.5 x 10.2)	All CFPL, All CFPSL, CFPE1, CFPE2, CFPE4, CFPE6, CBX4, CBXS4, CBXD6, CBX12, CBXF6, CBXF12, CBXS6, CBE	White	Non-Adhesive Polyester	500		
TNS-2NY	Double gang faceplates	2.88 x 0.40 (73.2 x 10.2)	CBE-2G and CFPE10-2G	White	Non-Adhesive Polyester	150		
TNS-3NY	24 and 48 port modular patch panels with connector groups of 4; 4 position modular furniture faceplates	2.61 x 0.35 (66.2 x 8.8)	CFFPL4, CFPHSL4, CPPL24WBL, CPPL48WBL	White	Non-Adhesive Polyester	150		
TNS-4NY	24 and 48 port modular patch panels with connector groups of 6	3.90 x 0.30 (99.1 x 7.6)	CPPL24M6, CPPL48M6 and CUFMB24BL	White	Non-Adhesive Polyester	150	1 Roll	10 Rolls
TNS-5NY	72 port modular patch panels	2.82 x 0.30 (71.6 x 7.6)	CFFPL72W	White	Non-Adhesive Polyester	150		
TNS-15Y	Adhesive label for modular jacks	1.38 x 0.19 (34.9 x 4.8)	All FJJ Modules, All Category 3,5,5e and 6 Modules	White	Adhesive Polyester	500		
TNS-15YCL				Clear				
TCT-20Y	Continuous adhesive tape for faceplates, patch panels, boxes, etc.	50 ft. x 0.25 (15.2m x 6.4)	All Faceplates, Patch Panels and Boxes	White	Adhesive Polyester	50 ft./roll		
TCT-21YCL				Clear				

*Order number of rolls required in multiples of Std. Pkg. Qty.

Material Selection

Material Type	Temperature Range	Description	Key Feature	Color	Outdoor Rated	UL Rec.*
Self-Laminating Adhesive Vinyl	-40° to 150°F (-40° to 66°C)	Self-laminating film for most general wire and cable labeling	Low cost, conformable material	Clear	No	Yes
White Adhesive Vinyl Cloth	-50° to 170°F (-46° to 77°C)	General purpose material, vinyl impregnated cloth resists oil and abrasion	Material can be removed and reused	White	No	No
Clear Adhesive Polyester	-40°F to 257°F (-40°C to 125°C)	General purpose material for component labeling, excellent print quality	Durable; high temperature; does not stretch or easily tear	Clear	Yes	Yes
White Adhesive Polyester	-40°F to 302°F (-40°C to 150°C)			White	Yes	Yes
White Non-Adhesive Polyester	-40°F to 375°F (-40°C to 190°C)	Non-adhesive material ideal for network systems labeling	Non-adhesive	White	Yes	No
White Heat Shrink Polyolefin	-22° to 220°F (-30° to 105°C)	Polyolefin heat shrink for wire marking applications, excellent print quality	Secure identification	White	Yes	No
White Adhesive Vinyl	-65° to 176°F (-54° to 80°C)	General purpose material for pipe marking, bin marking and facility identification	Conformable material for flat applications in indoor or outdoor environments	White	Yes, 2 Years	Yes
Orange and Yellow Adhesive Vinyl	-65° to 176°F (-54° to 80°C)			Orange, Yellow	Yes, 2 Years	No
White Adhesive Polyolefin	-50° to 120°F (-46° to 49°C)	General purpose material for terminal block labels	Conformable material for flat applications in indoor environments	White	No	No

* Recognized materials (UL 969 Marking and Labeling Systems)

Also Available

PAN-QUIK ™ **LS3E Hand-Held Dot-Matrix Printer**

- 20K File Storage Memory saves time when producing frequently used labels
- Flexibility to print self-laminating labels, heat shrink labels, component labels, asset identification labels and more
- Fast drying self-laminating labels reduce installation time
- Automatic recall of last legend entered
- Easy formatting options reduce setup time
- Automatic serialization and legend repeat functions
- Quick change battery pack and optional AC adapter for reduced downtime
- Exact label registration

PANDUIT
ELECTRICAL GROUP

For Pricing and Further Information – Contact your local PANDUIT Distributor or Sales Office

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