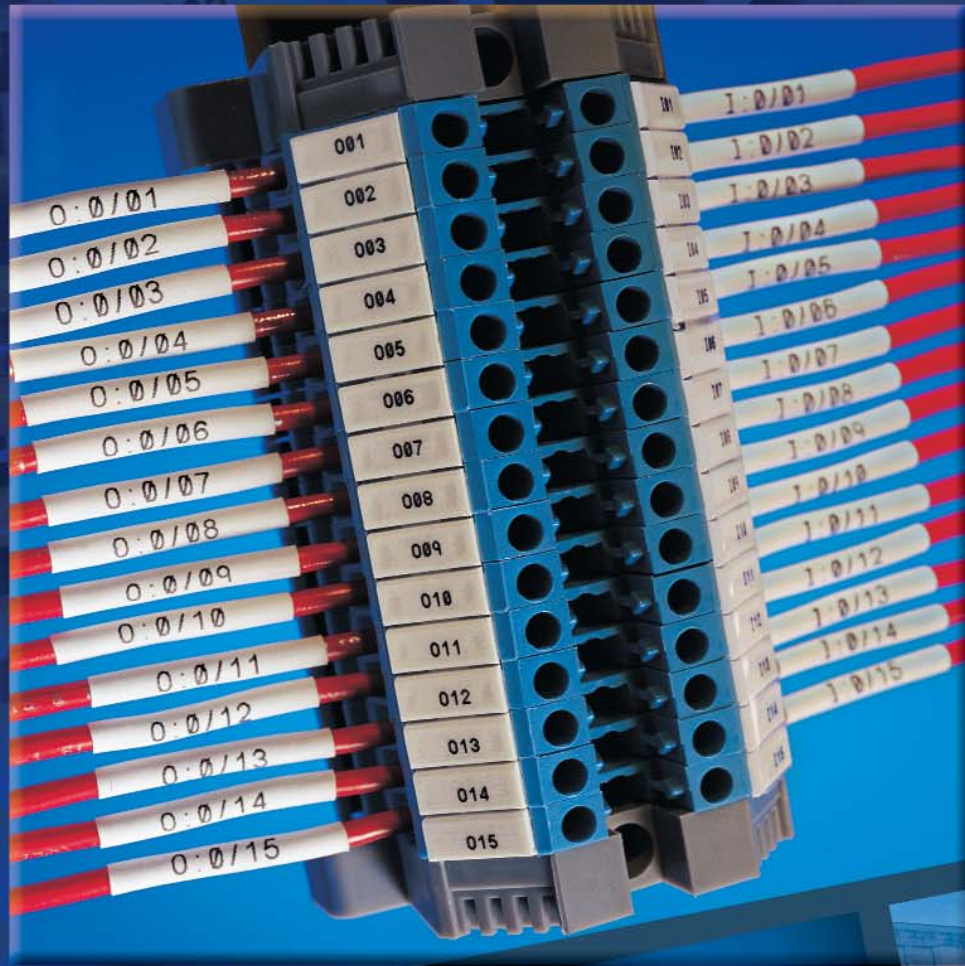




PermaSleeve™ Markers

Permanent Heat Shrink Wire Identification
Products and Printing Systems



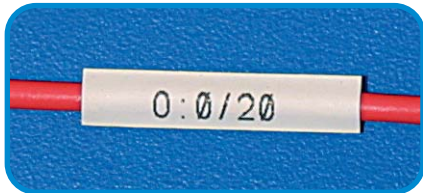
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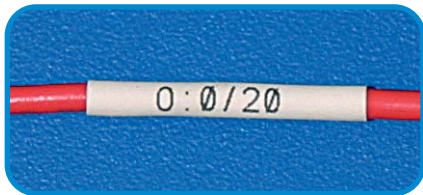
PERMASLEEVE™ MARKERS FROM BRADY

Permanent Heat Shrink Wire Identification

Brady's heat shrink PermaSleeve Markers provide permanent, legible identification for wires and cables. PermaSleeve Markers are suitable for a wide variety of applications in the commercial, industrial, military and aerospace markets. Identification is permanent after printing with no secondary steps required. Print remains legible after abrasion and exposure to solvents and chemicals.



Before Shrink



After Shrink

Technical Description

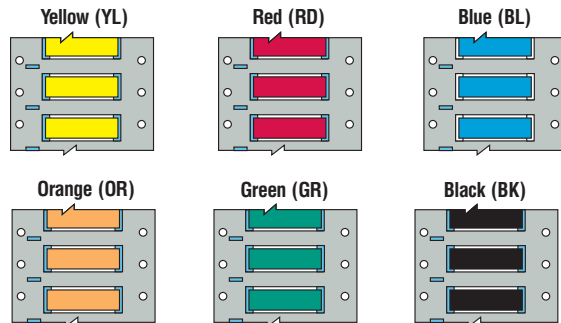
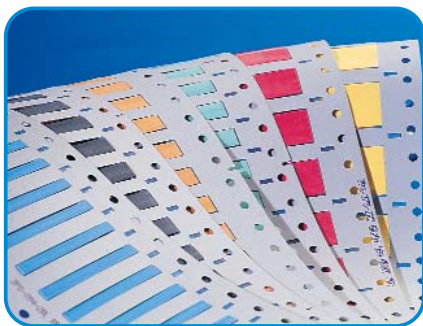
- ▶ Manufactured from irradiated heat-shrinkable polyolefin
- ▶ Meets the rigid material and physical properties of:
 - ▶ MIL-DTL-23053/5 Class 1
 - ▶ MIL-M-81531
 - ▶ MIL-STD-202F, Method 215
 - ▶ UL224
- ▶ Operating Temperatures: -40°F (-40C) to 267°F (130°C)

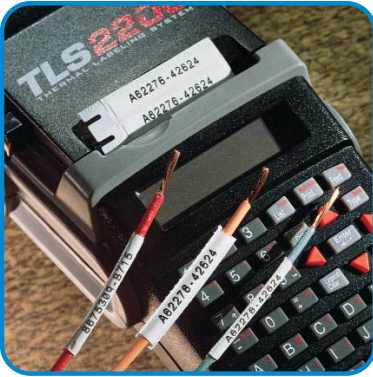
Unique Characteristics

- ▶ Does not smudge or fade when printed
- ▶ Print is permanent; no secondary steps required
- ▶ Unique flattened full-circle design provides fast, permanent wire marking
- ▶ Kitted in a convenient format, easily dispensed for printing
- ▶ Conforms tightly to wire after heat is applied which prevents markers from sliding
- ▶ Comes on a carrier which allows for easy presentation and use at any location

Product Selection

- ▶ Printable through Brady's desktop and portable printers: Thermal and Dot Matrix
- ▶ Sleeves may be slit at the factory for shorter marker lengths
- ▶ All Brady products are fully supported and warranted
- ▶ Available in different colors:





3-TO-1 SHRINK RATIO PERMASLEEVE™ MARKERS

TLS2200® / TLS PC Link™

- ▶ May be printed with Brady's TLS2200 and TLS PC Link portable thermal transfer printers
- ▶ Rolls are equipped with patented smart cells for auto calibration
- ▶ 3:1 Shrink Ratio
- ▶ Manufactured from irradiated heat-shrinkable polyolefin

1.01" WHITE ONE-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
PSPT-094-1W	100	0.023 (0.58)	0.080 (2.03)	28-18
PSPT-125-1W	100	0.046 (1.17)	0.110 (2.79)	22-16
PSPT-187-1W	100	0.062 (1.57)	0.150 (3.81)	18-12
PSPT-250-1W	100	0.094 (2.39)	0.215 (5.46)	16-10
PSPT-375-1W	100	0.125 (3.18)	0.320 (8.13)	12-6
PSPT-500-1W	100	0.187 (4.75)	0.450 (11.43)	8-1
PSPT-1000-1W ¹	50	0.450 (11.43)	0.950 (24.13)	1-500

* Bulk packages available. When ordering, replace "PSPT" with "BSPT". Example: BSPT-125-1W

* Yellow available as stock in standard packages. When ordering, replace "W" with "Y". Example: PSPT-094-1Y

* Colors available as custom

¹ 2:1 Shrink Ratio

1.75" WHITE ONE-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
PSPT-094-175W	100	0.023 (0.58)	0.080 (2.03)	28-18
PSPT-125-175W	100	0.046 (1.17)	0.110 (2.79)	22-16
PSPT-187-175W	100	0.062 (1.57)	0.150 (3.81)	18-12
PSPT-250-175W	100	0.094 (2.39)	0.215 (5.46)	16-10
PSPT-375-175W	100	0.125 (3.18)	0.320 (8.13)	12-6
PSPT-500-175W	100	0.187 (4.75)	0.450 (11.43)	8-1
PSPT-1000-175W ¹	50	0.450 (11.43)	0.950 (24.13)	1-500

* Bulk packages available. When ordering, replace "PSPT" with "BSPT". Example: BSPT-125-175W

* Yellow available as stock in standard packages. When ordering, replace "W" with "Y". Example: PSPT-094-175Y

* Colors available as custom

¹ 2:1 Shrink Ratio



TLS2200 PORTABLE PRINTER

Brady's TLS2200 is the complete portable thermal labeling solution.

- ▶ High quality print every time, no smearing
- ▶ No calibration required
- ▶ Internal memory allows you to create and save legends in lists for recall
- ▶ PC compatible
- ▶ Two-line LCD, 16 characters wide



TLS PC LINK PRINTER

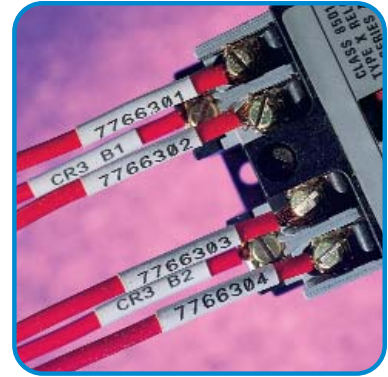
The latest member of the TLS2200 printer family is the TLS PC Link. In addition to the advantages that the TLS thermal printing capabilities, the TLS PC Link is a small, lightweight desktop/portable solution.

- ▶ Includes Brady's LabelMark™ Labeling software
- ▶ Built in programming language
- ▶ On-board battery charging circuitry

3-TO-1 SHRINK RATIO PERMASLEEVE™ MARKERS

Thermal Transfer / Dot Matrix

- ▶ Printable on Brady's thermal transfer printers or SLV-DAT-PTR dot matrix printer
- ▶ 3:1 Shrink Ratio
- ▶ Manufactured from irradiated heat-shrinkable polyolefin



1.5" WHITE ONE-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
PS-094-150W	2500	0.023 (0.58)	0.080 (2.03)	28-18
PS-125-150W	2500	0.046 (1.17)	0.110 (2.79)	22-16
PS-187-150W	2500	0.062 (1.57)	0.150 (3.81)	18-12
PS-250-150W	2500	0.094 (2.39)	0.215 (5.46)	16-10
PS-375-150W	1000	0.125 (3.18)	0.320 (8.13)	12-6
PS-500-150W	500	0.187 (4.75)	0.450 (11.43)	8-1

* Small packages available. When ordering, specify "-S". Example: PS-250-150W-S

** Sleeves may be slit at factory for shorter marker lengths.

2.0" WHITE ONE-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
PS-094-2W	2500	0.023 (0.58)	0.080 (2.03)	28-18
PS-125-2W	2500	0.046 (1.17)	0.110 (2.79)	22-16
PS-187-2W	2500	0.062 (1.57)	0.150 (3.81)	18-12
PS-250-2W	2500	0.094 (2.39)	0.215 (5.46)	16-10
PS-375-2W	1000	0.125 (3.18)	0.320 (8.13)	12-6
PS-500-2W	500	0.187 (4.75)	0.450 (11.43)	8-1
PS-1000-2W ¹	500	0.450 (11.43)	0.950 (24.13)	1-500

¹ 2:1 Shrink Ratio

* Small packages available. When ordering, specify "-S". Example: PS-250-2W-S

** Sleeves may be slit at factory for shorter marker lengths.

2.0" WHITE TWO-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
3PS-094-2W	2500	0.023 (0.58)	0.080 (2.03)	28-18
3PS-125-2W	2500	0.046 (1.17)	0.110 (2.79)	22-16
3PS-187-2W	2500	0.062 (1.57)	0.150 (3.81)	18-12
3PS-250-2W	2500	0.094 (2.39)	0.215 (5.46)	16-10
3PS-375-2W	1000	0.125 (3.18)	0.320 (8.13)	12-6
3PS-500-2W	500	0.187 (4.75)	0.450 (11.43)	8-1

* Small packages available. When ordering, specify "-S". Example: 3PS-500-2W-S

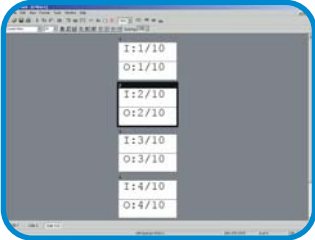
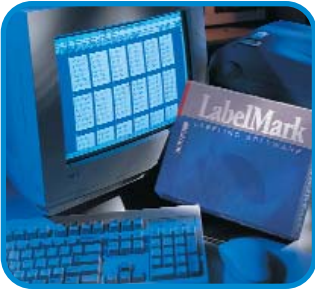
** Sleeves may be perforated at factory for shorter marker lengths.

2.0" COLORED TWO-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
3PS-094-2YL	2500	0.023 (0.58)	0.080 (2.03)	28-18
3PS-125-2YL	2500	0.046 (1.17)	0.110 (2.79)	22-16
3PS-187-2YL	2500	0.062 (1.57)	0.150 (3.81)	18-12
3PS-250-2YL	2500	0.094 (2.39)	0.215 (5.46)	16-10
3PS-375-2YL	1000	0.125 (3.18)	0.320 (8.13)	12-6
3PS-500-2YL	500	0.187 (4.75)	0.450 (11.43)	8-1
PS-1000-2YL ¹	250	0.450 (11.43)	0.950 (24.13)	1-500

** Other colors available in small packages. When ordering specify YL (Yellow), RD (Red), BL (Blue), OR (Orange), GR (Green), BK (Black) and add "-S" for small packages. Example: 3PS-500-2RD-S

¹ 2:1 Shrink Ratio One-Sided Printable



▶ LABELMARK™ LABELING SOFTWARE

LabelMark labeling software offers features that make creating labels efficient. This program is written specifically for identification in the electrical and telecommunications markets. Designed with the user in mind, LabelMark labeling software is the logical solution for label design, editing and printing.

- ▶ Easily create identification on either one-sided or two-sided printable PermaSleeve™ Markers
- ▶ Option for line-edit or free-form mode for label design
- ▶ Data import capabilities including ASCII and ODBC
- ▶ Easy to use single screen editing
- ▶ Active label highlighted during design and editing
- ▶ Ability to flip/flop data on label (i.e. flip/flop "to"/"from" order)
- ▶ Accommodates stock and custom formats
- ▶ Works with variety of different printers to suit various applications



▶ THERMAL PRINTING SOLUTIONS

The Bradyprinter™ Models BP-2461 (200 dpi) and BP-3481 (300 dpi) are the price and performance leader for industrial applications.

- ▶ Thermal transfer print technology
- ▶ Easy to load
- ▶ Minimal label waste
- ▶ Simple to use
- ▶ Fast label throughput

R4300 ribbon series is recommended to print on PermaSleeve Markers when using Bradyprinter Models 2461 / 3481.



The Bradyprinter™ Models BP-THT-200MVP (200 dpi) and BP-THT-300MVP (300 dpi) provide the best value in industrial thermal transfer printing.

- ▶ Thermal transfer print technology
- ▶ Auto calibration
- ▶ Color coded operator cues
- ▶ Rugged metal frame

R4300 ribbon series is recommended to print on PermaSleeve Markers when using Bradyprinter™ Models BP-THT-200MVP / BP-THT-300MVP.



▶ DOT MATRIX PRINTING SOLUTIONS

The SLV-DAT-PTR 24 pin printer is specially designed to print on all Brady pin-fed PermaSleeve Markers.

- ▶ Speed: 84 cps (near letter quality) at 12 cpi; 70 cps (near letter quality) at 10 cpi
- ▶ One touch control panel; panel selectable forms macro; easy front end loading; quiet mode; variable forms-length settings

R5390 ribbon is recommended to print on PermaSleeve Markers when using the SLV-DAT-PTR.

3-TO-1 SHRINK RATIO PERMASLEEVE™ MARKERS

I.D. Pro® Plus / Brady LS2000 / BradyMarker XC Plus

- ▶ Printable with Brady's I.D. Pro® Plus and LS2000 portable dot matrix printers
- ▶ 3:1 Shrink Ratio
- ▶ Manufactured from irradiated heat-shrinkable polyolefin



1.0" WHITE ONE-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	Printer Model	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
PSIDP-111-125	All	100	0.046 (1.17)	0.110 (2.79)	22-16
PSIDP-111-187	All	100	0.062 (1.57)	0.150 (3.81)	18-12
PSIDP-211-250	All	100	0.094 (2.39)	0.215 (5.46)	16-10
PSIDP-311-375	All	100	0.125 (3.18)	0.320 (8.13)	12-6
PSIDP-411-500	All	100	0.187 (4.75)	0.450 (11.43)	8-1

* Bulk packages (500 or 250 markers per box depending on size) are available for LS2000 Portable Printer. When ordering, replace "PSIDP" with "PSBXP". Example: PSBXP-111-125

* Yellow available as stock in standard packages. When ordering, add a "Y". Example: PSIDP-111-125Y

* Colors available as custom

1.25" WHITE ONE-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	Printer Model	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
PSBXP-114-125	LS/BMXC	500	0.046 (1.17)	0.110 (2.79)	22-16
PSBXP-114-187	LS/BMXC	500	0.062 (1.57)	0.150 (3.81)	18-12
PSBXP-214-250	LS/BMXC	500	0.094 (2.39)	0.215 (5.46)	16-10
PSBXP-314-376	LS/BMXC	250	0.125 (3.18)	0.320 (8.13)	12-6
PSBXP-414-500	LS/BMXC	250	0.187 (4.75)	0.450 (11.43)	8-1

* Colors available as custom

2.0" WHITE ONE-SIDED PRINTABLE PERMASLEEVE MARKERS

Part Number	Printer Model	PC/Box	Min Wire Diameter inch (mm)	Max Wire Diameter Inch (mm)	Approximate Wire Gauge
PS-0231-094W	LS	500	0.047 (1.19)	0.080 (2.03)	18-16
PS-0231-125W	LS	500	0.046 (1.17)	0.110 (2.79)	22-16
PS-0331-187W	LS	500	0.062 (1.57)	0.150 (3.81)	18-12
PS-0531-250W	LS	500	0.094 (2.39)	0.215 (5.46)	16-10
PS-0831-375W	LS	250	0.125 (3.18)	0.320 (8.13)	12-6
PS-1031-500W	LS	250	0.187 (4.75)	0.450 (11.43)	8-1
PS-2231-1000W1	LS	100	0.450 (11.43)	0.950 (24.13)	1-500

* Yellow available as stock in standard packages. When ordering, add a "Y". Example: PSIDP-111-125Y

* Colors available as custom

1 2:1 Shrink Ratio



I.D. PRO® PLUS PORTABLE DOT MATRIX PRINTER

The I.D. PRO® Plus is the smallest, most affordable method available to print PermaSleeve Markers on site and on demand. The palm-sized I.D. PRO® Plus' rugged design includes shock absorbing bumpers.

- ▶ Self-adjusting dot matrix print head
- ▶ Two type sizes with normal and bold options available
- ▶ Two-line LCD, 16 characters wide

BRADY LS2000 DOT MATRIX PRINTER

The Brady LS2000 is a portable labeling system designed for printing on demand. The system's software is easy to use so learning is fast and easy.

- ▶ Efficient, versatile, precise, easy to use
- ▶ Scalable fonts
- ▶ Four-line LCD, 20 characters wide

***For more information, visit
www.bradyid.com
for download information, software,
printer manuals and more.***



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