



# COMPLETE LABELLING SOLUTIONS

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**Aerospace, Defense, Mass Transit and Marine**



# Expect performance. Demand Brady.

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Brady offers you the high-performance solutions you expect for your extreme environments — aircraft, military vehicles, ships, trains and other mass-transit systems. You'll get the total solution. Everything from materials, printers, software, support and more.

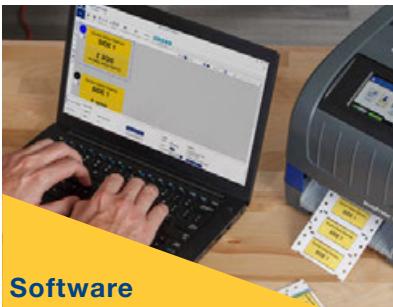


defense

mass transit

## Build your complete solution

Brady identification solutions consist of thermal transfer printers, specialty systems, highly engineered identification materials and label design software. With Brady, it doesn't stop there. We go beyond these components and combine them with expert support, knowledge and service to give you a better identification experience.



Software

### Robust label design software

Whether you need to print high volumes of labels or set-up batch printing and printer pairing, Brady Workstation software can improve the efficiency of your label creation process. Developed and tested internally, Brady Workstation is continuously updated with improved features based on user feedback.

- Engineered to take the cost out of label design process
- Adaptable to a range of work flows
- Easily accessible post-sale technical support



Printers

### On-demand printing and specialty systems

From small, hand-held printers for on-the-job applications to large, industrial units for high-volume printing, Brady's proven printing solutions help you create clear, professional-looking identification that has the durability to withstand even the harshest environments.

- Integrates into your processes
- Prints on a range of our expertly engineered materials
- Prints up to 20,000 labels per day
- Easiest and most versatile printing solutions in the industry



Materials

### Highly engineered materials

Brady's high performance materials offer outstanding performance in extreme environments. Brady gives you a variety of options for your application and work with you to select the best type to meet your needs.

- Heat shrink tubing
- Wire wrap labels
- Component labels
- Fluid line tapes
- Wire, cable and bundle tags



**AIDC capabilities**

### Full integration

What if you could use a single interface to drive production and identification processes? Our experts can integrate a customised identification solution that perfectly fits your existing workflows.

- We can integrate our solution in almost any system, cloud-based or privately hosted
- We can easily redesign and reprogram our interface, and enable critical data sourcing
- We can rewrite our software from scratch for a tailored fit to your needs



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# Benchtop printers selection guide



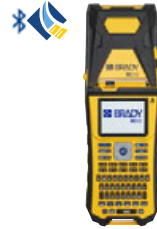
	BradyPrinter i3300 Industrial Label Printer	BradyPrinter i5100 Industrial Label Printer	BradyPrinter i5300 Industrial Label Printer
<b>Printer Specifications</b>			
Hours of Operation	8 hours/5 days	8 hours/5 days	8 hours/5 days
Recommended Usage per Day	3000	5000	5000
Software Compatibility	Brady Workstation, Windows based driver for 3rd party software use	Brady Workstation, Windows based driver for 3rd party software use	Brady Workstation, Windows based driver for 3rd party software use
Colour Capability	Monocolour	Monocolour	Monocolour
Connectivity Options	Ethernet, USB, Wi-Fi	Ethernet, WiFi (optional), Bluetooth (optional), Serial, USB	Cabled, Ethernet, USB 2.0, USB Host
Stand-alone Printing (Detached from PC)	Peripheral	Stand-alone & Peripheral	Peripheral
Cutter	Auto Cutter	None / Auto Cutter	Auto Cutter
Hardware Options	Cleaning kit, Cleaning swabs, Cutter cleaning tool, Media wipers, Power cord, USB cable	Auto cutter, Bluetooth adapter, Cleaning swabs, Label roll holder, Media roll holder, Platen rollers, Print roller, Ribbon take up spindle, WLAN USB stick	Print head (300 dpi), Print head (600 dpi), Print roller
Internal Memory Capacity	512 MB RAM, 195 MB IFFS Flash	256 MB RAM, 50 MB IFFS Flash	512 MB RAM, 195 MB IFFS Flash
Label Dimension Limits	Max. Label Width: 107.95 mm Min. Label Width: 6.35 mm	Max. Label Width: 105.66 mm Min. Label Width: 10.01 mm	Max. Label Width: 107.95 mm Min. Label Width: 6.35 mm
Max. Print Width (mm)	101.98	105.66	101.98
Print Speed (mm/sec)	101.60 mm/s	300.00 mm/s	254.00 mm/s
Print Technology	Thermal Transfer	Thermal Transfer	Thermal Transfer, Direct Thermal
Print Resolution (dpi)	300	300 / 600	300 / 600
<b>Specialty Material Recommendations</b>			
Raised Panel labels (B-593, B-7593)	Standard parts in B-593, custom parts in B-7593	Acceptable (with special printer settings)	Acceptable (with special printer settings)
Heatex™ Cable Markers	Applicable	Acceptable (with special printer settings)	Acceptable (with special printer settings)
PermaSleeves (B-342, B-345)	Recommended (With 2-pass reinsert of media for double-sided format)	Recommended (single-sided format only)	Recommended (single-sided format only)
Diesel Resistant PermaSleeve Markers (B-7646)	Not applicable	Acceptable	Acceptable
ZH PermaSleeve Markers (B-7641)	Not applicable	Acceptable (single-sided format only)	Acceptable (single-sided format only)
HX PermaSleeve Markers (B-7642)	Recommended (With 2-pass reinsert of media for double-sided format)	Acceptable (single-sided format only)	Acceptable (single-sided format only)
Self-laminating Labels (B-427)	Recommended	Recommended	Recommended
Custom labels (only approved B-numbers)	Applicable	Applicable	Applicable

# Benchtop printers selection guide



BradyPrinter i7100 Industrial Label Printer	BBP72-PLUS Double-Sided Sleeve Printer	Wraptor™ A6500 Wrap Printer Applicator
24 hours/7 days	24 hours/7 days	24 hours/7 days
7000	7000	7000
Brady Workstation, Windows based driver for 3rd party software use	Brady Workstation, Windows based driver for 3rd party software use	Brady Workstation, Windows based driver for 3rd party software use
Monocolour	Monocolour	Monocolour
Ethernet, I/O connection (optional), Bluetooth (optional), WiFi (optional), Serial, USB	Ethernet 10/100 BASE-T, I/O connection (optional), RS232-C (1,200 - 230,400 baud/8 bit), Standalone Use, USB, USB 2.0 Hi-Speed Device Port	Ethernet, USB, WiFi
Stand-alone & Peripheral	Stand-alone & Peripheral	Stand-alone & Peripheral
None	After label, at end of job or no cutoff	None
101.60 mm media adapter, Auto cutter, Cleaning swabs, Cutter perforator, Cutter with tray, Extended peel plate, I/O interface accessory, Narrow width print rollers, Peel off, Platen rollers, Present sensor, Rewinder, WLAN USB stick with antenna	Cutter blade, Cutter perforator, I/O interface accessory, Print head, Print roller, USB cable, WLAN USB stick, WLAN USB stick with antenna	
256 MB RAM, 50 MB IFFS Flash, SD card up to 512 GB	256 MB RAM, 50 MB IFFS Flash, SD card up to 512 GB	32 GB, expandable through USB
Max. Label Width: 109.98 mm Min. Label Width: 4.00 mm	Max. Label Width: 109.98 mm Min. Label Width: 10.00 mm	Max. Label Width: 50.80 mm Min. Label Width: 12.70 mm
105.66	105.66	50.80
300.00 mm/s	200.00 mm/s	76.00 mm/s
Direct Thermal, Thermal Transfer	Thermal Transfer	Thermal Transfer
300 / 600	300	300
Recommended	Not Recommended	Not applicable
Recommended	Not Recommended	Not applicable
Recommended (With 2-pass reinsert of media for double-sided format)	Recommended	Not applicable
Recommended (With 2-pass reinsert of media for double-sided format)	Recommended	Not applicable
Recommended (With 2-pass reinsert of media for double-sided format)	Recommended	Not applicable
Recommended (With 2-pass reinsert of media for double-sided format)	Recommended	Not applicable
Recommended	Not applicable	Recommended
Applicable	Applicable	Applicable

# Portable printers selection guide



	M611 Mobile Label Printer	M610 Label Printer	M710 Label Printer																																																						
<b>Applications</b>																																																									
<b>Electrical, voice- &amp; datacomm. ID</b>																																																									
Wire & Cable Marking	✓✓✓✓	✓✓✓✓	✓✓✓✓																																																						
Component Marking	✓✓✓	✓✓✓	✓✓✓✓																																																						
<b>General &amp; Industrial ID</b>																																																									
Asset & Component Marking	✓✓	✓✓	✓✓✓																																																						
<b>Electronics ID</b>																																																									
Circuit Board Marking	✓✓✓	✓✓✓	✓✓✓																																																						
Component Marking	✓✓✓✓	✓✓✓✓	✓✓✓✓																																																						
<b>Technical Specifications</b>																																																									
<b>Includes</b>	This printer ships in a cardboard box holding a USB cable, a quick start guide, an AC powercord, a USB stick holding product info and Windows driver, a Brady Workstation Basic Design Suite, a roll of M6-11-427 and an M61-R4310 ribbon.	This printer ships in a hard case holding a USB cable, a quick start guide, a Li-ION Rechargeable Battery, an AC Adapter, a product USB (with product info and Windows driver), a Brady Workstation Software, a roll of M6-11-427 and an M61-R4310 ribbon.	This printer ships in a hard case holding a USB cable, a quick start guide, a product USB (with product info and Windows driver), a Li-ION Rechargeable Battery, an AC Adapter, a Brady Workstation Software, a Media Adapter, a roll of M7C-1000-595-WT and an M7-R6000 ribbon.																																																						
<b>Width x Height x Depth (mm)</b>	113.28 x 115.66 x 278.75	107.19 x 328.42 x 106.42	240.03 x 345.20 x 116.75																																																						
<b>Weight (kg)</b>	1.6	1.41	2.45																																																						
<b>Keyboard Type</b>	None	QWERTY, QWERTZ, AZERTY, CYRILLIC	QWERTY, QWERTZ, AZERTY, CYRILLIC																																																						
<b>Power Supply</b>	AC Adaptor Rechargeable Battery	AC Adaptor Rechargeable Battery	AC Adaptor Rechargeable Battery																																																						
<b>Cutter</b>	Auto Cutter	Manual cut	Auto Cutter																																																						
<b>Display</b>	Colour Touchscreen, LCD backlit graphics display	LCD backlit graphics display/Colour LCD Screen	Colour LCD Touchscreen																																																						
<b>Connectivity Options</b>	Bluetooth® 5 Low Energy (class II)/USB 2.0/Wi-Fi	USB 2.0, Standalone use, Bluetooth on selected models	USB 2.0, Standalone use, Bluetooth on selected models, WiFi on selected models																																																						
<b>Stand-alone Printing (Detached from PC)</b>	Mobile device connected	Stand-alone & Peripheral	Stand-alone & Peripheral																																																						
<b>Software Compatibility</b>	Brady Workstation, Express Labels Mobile App, Windows based driver for 3rd party software use	Brady Workstation, Windows based driver for 3rd party software use	Brady Workstation, Express Labels Mobile App, Windows based driver for 3rd party software use																																																						
<b>Print Speed (mm/sec)</b>	50.80	50.80	76.20																																																						
<b>Print Resolution (dpi)</b>	300	300	300																																																						
<b>Language Support</b>	Bulgarian, Chinese (Simplified), Chinese (Traditional), Croatian, Czech, Danish, Dutch, English (US), Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian (Bokmål), Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Swedish, Turkish	Bulgarian, Croatian, Czech, Danish, Dutch, English (US), Estonian, Finnish, French, German, Hungarian, Italian, Norwegian (Bokmål), Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Swedish, Turkish	Bulgarian, Chinese (Traditional & Simplified), Croatian, Danish, Dutch, English (US), Estonian, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Norwegian (Bokmål), Polish, Portuguese, Romanian, Russian, Slovak, Spanish, Swedish, Turkish																																																						
<b>Built-in Symbols</b>	Dependant on software	480	500+																																																						
<b>Internal Memory Capacity</b>	256 MB Flash, 512 MB RAM	512 MB RAM, 256 MB Flash	200 MB (stores up to 100,000 labels)																																																						
<b>Bar Code Type</b>	Code 128A, Code 128B, Code 128C, Code 39, GS1 DataBar, HIBC, Interleaved 2 of 5, More through Brady WorkStation, UPC-A, UPC-E, Data Matrix, More through Brady Workstation, PDF417, QR code	Code 128, Code 39, EAN-13, Interleaved 2 of 5, UPC-A, UPC-E, Data Matrix, QR Code, More through Brady Workstation	Code 128, Code 39, EAN-8, EAN-13, Interleaved 2 of 5, UPC-A, UPC-E, Data Matrix, QR Code, More through Brady Workstation																																																						
<b>Text Sizes (pt)</b>	Determined by software	4 - 170	4 - 174																																																						
<b>Min. Label Width (mm)</b>	6.40	6.40	6.35																																																						
<b>Max. Label Width (mm)</b>	50.80	50.80	50.80																																																						
<b>Max. Print Width (mm)</b>	50.80	50.80	48.79																																																						
<b>Number of Stock Parts</b>	800+ standard parts	800+ standard parts	1300+ standard parts																																																						
<b>Label Colours</b>	<table border="1"> <tr><td>White</td><td>Yellow</td><td>Orange</td><td>Clear</td><td>Black</td><td>Blue</td></tr> <tr><td>Red</td><td>Grey</td><td>Brown</td><td>Green</td><td>Purple</td><td>Amber</td></tr> <tr><td>White</td><td>Pink</td><td></td><td></td><td></td><td></td></tr> </table>	White	Yellow	Orange	Clear	Black	Blue	Red	Grey	Brown	Green	Purple	Amber	White	Pink					<table border="1"> <tr><td>White</td><td>Yellow</td><td>Orange</td><td>Clear</td><td>Black</td><td>Blue</td></tr> <tr><td>Red</td><td>Grey</td><td>Brown</td><td>Green</td><td>Purple</td><td>Amber</td></tr> <tr><td>White</td><td>Pink</td><td></td><td></td><td></td><td></td></tr> </table>	White	Yellow	Orange	Clear	Black	Blue	Red	Grey	Brown	Green	Purple	Amber	White	Pink					<table border="1"> <tr><td>White</td><td>Yellow</td><td>Orange</td><td>Clear</td><td>Black</td><td>Blue</td></tr> <tr><td>Red</td><td>Green</td><td>Silver</td><td>Beige</td><td>Gold</td><td>Ochre</td></tr> <tr><td>Brown</td><td>Magenta</td><td>Pink</td><td>Purple</td><td>Light blue</td><td>Sky blue</td></tr> </table>	White	Yellow	Orange	Clear	Black	Blue	Red	Green	Silver	Beige	Gold	Ochre	Brown	Magenta	Pink	Purple	Light blue	Sky blue
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<b>Drop Test</b>	Resistant to 1.8 metre drops Resistant to military-grade shocks (MIL-STD-810G)	Resistant to military-grade shocks (MIL-STD-810G) Resistant to 1.8 metre drops	Resistant to 1.2 metre drops Sand & Dust																																																						
<b>Warranty</b>	2 years	2 years	2 years																																																						



Surfing [www.bradyeurope.com](http://www.bradyeurope.com) is a simple, efficient and timesaving way to learn more about BRADY products and applications, industry developments, events, promotions, etc.



For more information on featured printers visit: [www.youtube.com/user/BradyEurope](http://www.youtube.com/user/BradyEurope)



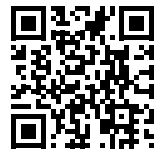
**BradyPrinter i3300**  
INDUSTRIAL LABEL PRINTER

[Scan or click the QR code](#)



**M611**  
LABEL PRINTER

[Scan or click the QR code](#)



**BradyPrinter i5100**  
INDUSTRIAL LABEL PRINTER

[Scan or click the QR code](#)



**BradyPrinter i5300**  
INDUSTRIAL LABEL PRINTER

[Scan or click the QR code](#)



**M610**  
LABEL PRINTER

[Scan or click the QR code](#)



**BradyPrinter i7100**  
INDUSTRIAL LABEL PRINTER

[Scan or click the QR code](#)



**BBP72-PLUS**  
DOUBLE SIDED PRINTER

[Scan or click the QR code](#)



**M710**  
LABEL PRINTER

[Scan or click the QR code](#)



**Wraptor™ A6500**  
WRAP PRINTER APPLICATOR

[Scan or click the QR code](#)



## Design any label with Brady Workstation apps



Brady Workstation offers professional, intuitive apps to design quality product and cable labels and safety signs. Label design becomes easier, faster and quickly adaptable to new label norms thanks to centralised updates.



## Select the apps you need

Simply select the apps you need, download the 30-day trial and purchase when satisfied. Available product, cable, safety and facility identification apps enable you to:

- design and edit custom labels and signs
- design label templates and lock elements for consistency
- create text-only cable labels
- automate label creation
- easily import data
- easily set up complex label sequences
- easily design CLP-chemical labels
- print lockout procedures, tags and energy source labels
- design safety and facility signs.

## Available in multiple languages

Brady Workstation apps are available in 20 languages, including English, French, German, Russian, Spanish, Italian, Polish and Dutch.



## Easily connect to your printer

Brady Workstation works seamlessly with a range of Brady desktop and portable printers. Brady's high-end label printers also offer bi-directional communication with Brady Workstation and will inform users if they have to switch label materials to print specific label designs. Printer compatibility is shown in Brady Workstation on an app by app basis.

## Brady Workstation apps and suites

Every Brady Workstation app can be downloaded, tested and purchased separately. Additionally, Brady Workstation also includes several label design suites that combine apps frequently used to create product identification labels, cable identification labels, safety signs and labels, or to set up automatic label creation processes.



### Basic Design Suite

Get everything you need to create your own custom labels with the Brady Workstation Basic Design Suite. With basic design, formatting, graphics and simple bar code libraries, you can design labels like a pro in no time. Best of all, it's FREE when using a Brady printer.



### Product & Wire Identification Suite

When you need to create product-identification and wire-marking labels, the Product and Wire Identification Suite is your go-to solution. It allows you to create basic text labels or labels with graphics and custom formatting, and serialise and import data.



### Automation Suite

Get the power to fully automate your label printing with the Brady Workstation Automation Suite. After a few easy setup and template creation steps, you're ready for automated label printing.



### Scan and Print Suite

Streamline production labelling workflows to maximise label printing output and reduce labelling mistakes using the Scan and Print Suite. This suite allows you to consume data from a barcode scanner, keyboard and/or custom script to quickly populate your label templates as part of a labelling workflow.



More apps are available. Simply download Brady Workstation to your desktop and add the applications you need: [www.workstation.bradyid.com](http://www.workstation.bradyid.com)



## Integration

Brady offers label creation software with automation options, next to advice, support and full collaboration with third parties to help integrate our traceability solutions in your production line. The advantages of Smart Manufacturing including increased production control, centralised monitoring and continuous improvement data can be fully enabled by a complete integrated printed circuit board labelling system.



## CodeSoft labelling software

This enterprise-level label design software allows users to design and print custom labels for product identification and tracking. CodeSoft Barcode Software is the professional solution for the most complex barcode labelling projects. CodeSoft excels at integrating with users systems and 3rd party software.

The software provides a range of barcode label design features for any project, from easy label designs to general bar coding. Brady labelling software gives you the power to design and print labels with ease and flexibility. Whether you need to print text, barcodes or graphic images, fixed or variable data, user defined or database driven, Brady has the barcode and labelling software to handle all your custom label needs.

## High performance label materials

### Developed in-house, by our experts

As a leader in wire and component identification, Brady's team of scientists and engineers work to provide you with innovative products of the highest technological quality. Brady's Tobey Research Center material scientists rigorously test all of our products in-house to ensure high performance, industry compliance, durability and reliability.

- Over 200 technologists in laboratory sites around the world
- More than 20 label material patents and growing
- Electro-mechanical, materials and software development teams

### Designed to last. Engineered to perform

The materials developed by Brady scientists are designed for a wide spectrum of applications and environments. Brady's in-depth knowledge of the conditions that products face requires extensive testing in harsh environments, including:

- Chemical and fuels: Skydrol®, JP-8 Jet Fuel and brake fluids
- Temperatures from -70°C to 225°C
- Zero-halogen and low out-gassing options

Brady's products are not only designed to withstand the harshest of environments, but are also designed with the user in mind. We spend time getting to know our customers in order to understand what you need from our products. That means our heat shrink tubing products are:

- Quick and easy to remove from the carrier — no need to cut or tear the sleeve
- Printed with the part numbers along the carrier for easy identification, even after portions are removed from the roll and shipped to different locations

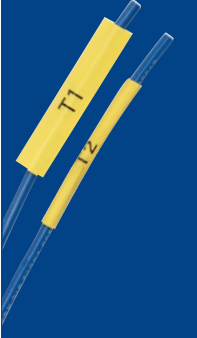
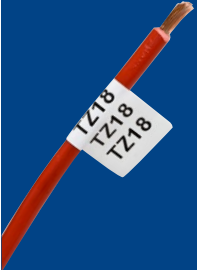



### We enable compliance

If you need to comply with specific laws & regulations, international or company specific standards and specifications, you have come to the right place.

Brady offers an extensive array of materials designed and tested to be in accordance with the most common worldwide, regional and industry specific standards. Our commitment to compliance is reinforced by our certificates and our internal testing capabilities, which ensure the materials' conformity. Specialists in our worldwide in-house laboratories can verify the compliance of any of our identification solutions using internationally accepted test methods, including ASTM and FINAT.

In addition, we have complete manufacturing capabilities in place to offer modified solutions that enable compliance.



	Product Name	Description	Temp Range	Specs	Compliance	Rec. Ribbon Series	Printer Compatibility
<b>Heat shrink tubing</b> 	<b>B-342 PS and 3PS</b>	3:1 ratio heat shrinkable tubing	-67°F to 275°F (-55°C to 135°C)	SAE-AMS-DTL-23053/5C (Class 1) SAE-AS-81531 MIL-STD-202G (Method 215K)	RoHS UL Recognized	R4300, R6600, R6700 (with black sleeves) Series	M710 i3300 / i5300 i5100 / i7100 BBP72-PLUS
	<b>B-344 2FR and 3FR</b>	3:1 and 2:1 ratio fluid resistant heat shrinkable tubing	-67°F to 275°F (-55°C to 135°C)	SAE-AMS-DTL-23053/6 (Class 1) SAE-AS-81531 MIL-STD-202G (Method 215K)	RoHS	R6600, and R6700 (with black sleeves) Series	M710 i3300 / i5300 i7100 BBP72-PLUS
	<b>B-345 3HT and 2HT</b>	2:1 ratio low outgassing high temperature heat shrinkable tubing	-55°C to 225°C (-67°F to 437°F)	NASA SP-R-0022A Outgassing SAE-AS-81531 MIL-STD-202G (Method 215K)	RoHS	R6000, R6600, and R6800 (with black sleeves) Series	M710 i3300 / i5300 i5100 / i7100 BBP72-PLUS
	<b>B-7641 LSZH, 2LSZH</b>	2:1 ratio low smoke, zero halogen heat shrinkable tubing	-22°F to 221°F (-30°C to 105°C)	SAE-AS-81531 MIL-STD-202G (Method 215K) DIN VDE 0472 part 815 (zero halogen)	RoHS	R4300 R6000 R6600	i3300 / i5300 i7100 BBP72-PLUS
	<b>B-7642 HX and 2HX</b>	2:1 ratio heat shrinkable tubing	-40°F to 248°F (-40°C to 120°C)	SAE-AMS-DTL-23053/5 Class 1 & 3 SAE-AS-81531 MIL-STD-202G (Method 215K)	RoHS	R4300, R6400, R6600, 356126 Series	i3300 / i5300 i7100 BBP72-PLUS
	<b>B-7646 DR and 3DR</b>	3:1 ratio diesel resistant heat shrinkable tubing	-55°C to 135°C (-48°C to 57°C)	SAE-AS-81531 MIL-STD-202G (Method 215K) NF F 00-608 Type A and H	RoHS	R6600	i7100 BBP72-PLUS
<b>Wire wrap labels</b> 	<b>B-427</b>	Self-laminating & self-extinguishing wire wrap label	-40°C (-40°F) to +70°C (158°F)	-	RoHS UL Recognized	R4300 R4500	M710 i3300 / i5300 i5100 / i7100 WRAPTOR
	<b>B-642</b>	Teldar® self-extinguishing, self-laminating wire wrap	-70°C (-94°F) to +120°C (248°F)	-	RoHS	R4300 R6200	M710 i7100 WRAPTOR
	<b>B-472</b>	Matte finish self-extinguishing wire-wrap label	-70°C (-94°F) to +135°C (275°F)	AS81531, MIL-STD-202G (Method 215K)	RoHS	R4300 R6200	i5100 i7100 WRAPTOR
	<b>B-437</b>	Tedlar® self-extinguishing wire wrap label	-70°C (-94°F) to +135°C (275°F)	MIL-M-87958	RoHS	R4300 R6200	M710 i5100 i7100
	<b>B-498</b>	Vinyl-cloth repositionable wire wrap label	-40°C (-40°F) to +80°C (176°F)	-	RoHS UL Recognized	R6200	M710 i3300 / i5300 i5100 / i7100
	<b>B-499</b>	Nylon cloth wire-wrap label	-40°C (-40°F) to +90°C (194°F)	DIN VDE 0472 part 815	RoHS UL Recognized CSA	R4300 R4900 R6000 R6200	M710 i3300 / i5300 i5100 / i7100 WRAPTOR
	<b>B-330</b>	Wire bundle and large conduit heat shrinkable wrap material	-70°C (-94°F) to +110°C (230°F)	MIL-STD-202G (Method 215K), SAE-AS-81531	-	R4300 R6200	i7100
<b>Flat component labels</b> 	<b>B-423</b>	Glossy polyester flat-surface label	-70°C (-94°F) to +110°C (230°F)	DIN VDE 0472 part 815	RoHS UL Recognized CSA	R6000 R4400	M710 i3300 / i5300 i5100 / i7100
	<b>B-483</b>	Glossy-polyester for rough surfaces	-40°C (-40°F) to +120°C (248°F)	-	RoHS UL Recognized CSA	R6000 R4400 R4900	M710 i3300 / i5300 i5100 / i7100
	<b>B-593 (B-7593)</b>	Raised profile label	-20°C (-4°F) to +100°C (212°F)	-	UL Recognized, cUL Recognized, RoHS	R6000 R4400	M710 (B-7593) i3300 / i5300 i5100 / i7100
<b>Fluid line tapes</b> 	<b>B-992</b>	Glossy self-laminating fluid line tape	-40°C (-40°F) to +150°C (302°F)	LMA-MF099 LMA-MF092B LMA-MF093C LMA-MF094C FMS-3099A MIL-T-9906C	-	R6000	i7100
	<b>B-999</b>	Heat-activated fluid line tape	-65°C (-85°F) to +110°C (230°F)	Boeing BPS-T-151 MIL-T-9906C	-	R4900 R7961	i7100 WRAPTOR
<b>Tag materials</b> 	<b>B-508</b>	Nomex® low outgassing cable and harness marking tag	-70°C (-94°F) to +130°C (266°F)	SAE-AS-81531, MIL-STD-202G (Method 215K)	RoHS	R4300	i7100

For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.

## B-342 PermaSleeve PS Polyolefin wire marking sleeves

B-342 PermaSleeve PS Polyolefin wire marking sleeves are a 3:1 heat shrinkable wire marking sleeve that fits snugly around wires for identification and protection and are both fade-resistant and flame retardant.



**Meets specs:**

SAE-AMS-DTL-23053/5C (Class 1)  
SAE-AS-81531  
MIL-STD-202G (Method 215K)  
RoHS Compliant  
UL Recognized

**Tested per:**

ASTM E162  
ASTM E662



**Temp range:**

-67°F to 275°F (-55°C to 135°C)

**3:1 Shrink ratio:** 3:1

**Roll splice colour:** Blue

**Sleeve colours:**

White	Yellow	Red	Pink
Orange	Blue	Green	Violet
Brown	Gray	Black	



### Create your own PS PermaSleeve:

Follow these steps to create the B-342 PermaSleeve PS wire marking sleeve part number that meets your needs.

**Example article number:**

<b>3PS</b>	<b>- 187</b>	<b>- 2</b>	<b>- WT</b>	<b>- S</b>	<b>- 4</b>
Product	Diameter	Width	Colour	Roll Qty	Pieces
				Optional	

**Create your own:**

Product	Diameter	Width	Colour	Roll Qty	Pieces
				Optional	

**Recommended printing solution**



**Printer series:**  
BradyPrinter i7100 Industrial Label Printer,  
BradyPrinter i5100 Industrial Label Printer  
BBP72-PLUS Double Sided Printer

**Ribbon series:**  
R4300, R6600, R6700  
(with black sleeves) Series

**Software:**  
Brady Workstation Software

<b>STEP 1:</b>	<b>PS</b> = Single Sided Printing
<b>Product type</b>	<b>3PS</b> = Double Sided Printing

<b>STEP 2:</b> Diameter	<b>094</b> = 4.60 mm    0.58 - 2.03 mm dia.    28 to 20 gauge
	<b>125</b> = 6.00 mm    1.17 - 2.79 mm dia.    22 to 16 gauge
	<b>187</b> = 8.50 mm    1.57 - 3.81 mm dia.    20 to 10 gauge
	<b>250</b> = 11.15 mm    2.39 - 5.46 mm dia.    16 to 8 gauge
	<b>375</b> = 16.40 mm    3.28 - 8.13 mm dia.    12 to 4 gauge
	<b>500</b> = 21.60 mm    4.75 - 11.43 mm dia.    8 to 1 gauge
	<b>750</b> = 31.80 mm    6.35 - 17.78 mm dia.    6 to 4/0 gauge
	<b>1000</b> = 42.16 mm    9.53 - 24.13 mm dia.    2 to 0.950" dia.
<b>1500</b> = 61.80 mm    12.70 - 36.83 mm dia.    n/a	

<b>STEP 3:</b>	<b>150</b> = 38.10 mm sleeve width
<b>Sleeve width</b>	<b>2</b> = 50.80 mm sleeve width

<b>STEP 4:</b> Colour	<i>Standard Colours</i>	<i>Special Order Colours</i>			
	<b>WT</b> = White	<b>BL</b> = Blue	<b>OR</b> = Orange	<b>PK</b> = Pink	
	<b>YL</b> = Yellow	<b>GR</b> = Green	<b>GY</b> = Gray	<b>RD</b> = Red	
		<b>BK</b> = Black	<b>BR</b> = Brown	<b>VT</b> = Violet	

<b>STEP 5:</b> Roll qty. (optional)	<i>For standard quantity, leave blank. For small qty, enter "S".</i>		
	If sleeve diameter is 094-250	Standard = 2,500	Small (S) = 500
	If sleeve diameter is 375	Standard = 1,000	Small (S) = 250
	If sleeve diameter is 500	Standard = 500	Small (S) = 250
	If sleeve diameter is 750-1500	Standard = 250	Small (S) = 100

<b>STEP 6:</b> Pieces per sleeve (optional)	<i>1 marker per sleeve is standard, if desired, the sleeve can be split into multiple pieces.</i>	
	<b>2</b> = Sleeve is slit to create 2 pieces	
	<b>3</b> = Sleeve is slit to create 3 pieces	
	<b>4</b> = Sleeve is slit to create 4 pieces	

Example: "3" slit

For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.

## B-344 PermaSleeve FR Fluid Resistant wire marking sleeves

B-344 PermaSleeve Fluid Resistant wire marking sleeves are a 3:1 heat shrinkable wire marking sleeve that fits snugly around wires for identification and protection and offer greater resistance to harsh chemicals such as fuels, lubricants and cleaning solvents.



**Meets specs:**  
SAE-AMS-DTL-23053/6 (Class 1)  
SAE-AS-81531  
MIL-STD-202G (Method 215K)

**Tested per:**  
ASTM E162  
ASTM E662



**Temp range:**  
-67°F to 275°F (-55°C to 135°C)

**3:1**

**Shrink ratio:**  
3:1 for 1" dia only  
2:1 for 1-1/5" dia. only

**Roll splice colour:** Green

**Sleeve colours:**

White	Yellow	Red	Pink
Orange	Blue	Green	Violet
Brown	Gray	Black	



### Create your own FR PermaSleeve:

Follow these steps to create the B-344 PermaSleeve FR wire marking sleeve part number that meets your needs.

**Example article number:**

**3FR - 187 - 2 - WT - S - 2**  
Product    Diameter    Width    Colour    Roll Qty    Pieces  
*Optional*

**Create your own:**

Product - Diameter - Width - Colour - Roll Qty - Pieces  
*Optional*

#### Recommended printing solution



**Printer Series:**  
BradyPrinter i7100 Industrial Label Printer,  
BBP72-PLUS Double Sided Printer

**Ribbon Series:**  
R6600, R6700  
(with black sleeves) Series

**Software:**  
Brady Workstation Software

<b>STEP 1:</b> Product type	<b>3FR</b> = 3:1 shrink ratio for 094 - 1000 dia. only <b>2FR</b> = 2:1 shrink ratio for 1500 dia. only																											
<b>STEP 2:</b> Diameter	<table border="0"> <tr> <td><b>094</b> = 4.60 mm</td> <td>0.58 - 2.03 mm dia.</td> <td>28 to 20 gauge</td> </tr> <tr> <td><b>125</b> = 6.00 mm</td> <td>1.17 - 2.79 mm dia.</td> <td>22 to 16 gauge</td> </tr> <tr> <td><b>187</b> = 8.50 mm</td> <td>1.57 - 3.81 mm dia.</td> <td>20 to 10 gauge</td> </tr> <tr> <td><b>250</b> = 11.15 mm</td> <td>2.39 - 5.46 mm dia.</td> <td>16 to 8 gauge</td> </tr> <tr> <td><b>375</b> = 16.40 mm</td> <td>3.28 - 8.13 mm dia.</td> <td>12 to 4 gauge</td> </tr> <tr> <td><b>500</b> = 21.60 mm</td> <td>4.75 - 11.43 mm dia.</td> <td>8 to 1 gauge</td> </tr> <tr> <td><b>750</b> = 31.80 mm</td> <td>6.35 - 17.78 mm dia.</td> <td>6 to 4/0 gauge</td> </tr> <tr> <td><b>1000</b> = 42.16 mm</td> <td>9.53 - 24.13 mm dia.</td> <td>2 to 0.950" dia.</td> </tr> <tr> <td><b>1500</b> = 61.80 mm</td> <td>12.70 - 36.83 mm dia.</td> <td>n/a</td> </tr> </table>	<b>094</b> = 4.60 mm	0.58 - 2.03 mm dia.	28 to 20 gauge	<b>125</b> = 6.00 mm	1.17 - 2.79 mm dia.	22 to 16 gauge	<b>187</b> = 8.50 mm	1.57 - 3.81 mm dia.	20 to 10 gauge	<b>250</b> = 11.15 mm	2.39 - 5.46 mm dia.	16 to 8 gauge	<b>375</b> = 16.40 mm	3.28 - 8.13 mm dia.	12 to 4 gauge	<b>500</b> = 21.60 mm	4.75 - 11.43 mm dia.	8 to 1 gauge	<b>750</b> = 31.80 mm	6.35 - 17.78 mm dia.	6 to 4/0 gauge	<b>1000</b> = 42.16 mm	9.53 - 24.13 mm dia.	2 to 0.950" dia.	<b>1500</b> = 61.80 mm	12.70 - 36.83 mm dia.	n/a
<b>094</b> = 4.60 mm	0.58 - 2.03 mm dia.	28 to 20 gauge																										
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<b>1000</b> = 42.16 mm	9.53 - 24.13 mm dia.	2 to 0.950" dia.																										
<b>1500</b> = 61.80 mm	12.70 - 36.83 mm dia.	n/a																										
<b>STEP 3:</b> Sleeve width	<b>2</b> = 2" sleeve width																											
<b>STEP 4:</b> Colour	<table border="0"> <tr> <td><i>Standard Colours</i></td> <td colspan="3"><i>Special Order Colours</i></td> </tr> <tr> <td><b>WT</b> = White</td> <td><b>BL</b> = Blue</td> <td><b>OR</b> = Orange</td> <td><b>PK</b> = Pink</td> </tr> <tr> <td><b>YL</b> = Yellow</td> <td><b>GR</b> = Green</td> <td><b>GY</b> = Gray</td> <td><b>RD</b> = Red</td> </tr> <tr> <td></td> <td><b>BK</b> = Black</td> <td><b>BR</b> = Brown</td> <td><b>VT</b> = Violet</td> </tr> </table>	<i>Standard Colours</i>	<i>Special Order Colours</i>			<b>WT</b> = White	<b>BL</b> = Blue	<b>OR</b> = Orange	<b>PK</b> = Pink	<b>YL</b> = Yellow	<b>GR</b> = Green	<b>GY</b> = Gray	<b>RD</b> = Red		<b>BK</b> = Black	<b>BR</b> = Brown	<b>VT</b> = Violet											
<i>Standard Colours</i>	<i>Special Order Colours</i>																											
<b>WT</b> = White	<b>BL</b> = Blue	<b>OR</b> = Orange	<b>PK</b> = Pink																									
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	<b>BK</b> = Black	<b>BR</b> = Brown	<b>VT</b> = Violet																									
<b>STEP 5:</b> Roll qty. (optional)	<p><i>For standard quantity, leave blank. For small qty, enter "S".</i></p> <table border="0"> <tr> <td>If sleeve diameter is 094-250</td> <td>Standard = 2,500</td> <td>Small (S) = 500</td> </tr> <tr> <td>If sleeve diameter is 375</td> <td>Standard = 1,000</td> <td>Small (S) = 250</td> </tr> <tr> <td>If sleeve diameter is 500</td> <td>Standard = 500</td> <td>Small (S) = 250</td> </tr> <tr> <td>If sleeve diameter is 750-1500</td> <td>Standard = 250</td> <td>Small (S) = 100</td> </tr> </table>	If sleeve diameter is 094-250	Standard = 2,500	Small (S) = 500	If sleeve diameter is 375	Standard = 1,000	Small (S) = 250	If sleeve diameter is 500	Standard = 500	Small (S) = 250	If sleeve diameter is 750-1500	Standard = 250	Small (S) = 100															
If sleeve diameter is 094-250	Standard = 2,500	Small (S) = 500																										
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If sleeve diameter is 500	Standard = 500	Small (S) = 250																										
If sleeve diameter is 750-1500	Standard = 250	Small (S) = 100																										
<b>STEP 6:</b> Pieces per sleeve (optional)	<p><i>1 marker per sleeve is standard, if desired, the sleeve can be split into multiple pieces.</i></p> <p><b>2</b> = Sleeve is slit to create 2 pieces</p> <p><i>Example: "2" slit</i></p>																											

For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.

## B-345 PermaSleeve HT High Temperature PVDF wire marking sleeves

B-345 PermaSleeve HT High Temperature PVDF wire marking sleeves are a 2:1 ratio (for 1/8"–1-1/2" diameters) and 3:1 ratio (for 3/32" diameter) heat shrinkable wire marking sleeve specifically designed for high temperature and low vacuum outgassing applications. These heat shrinkable wire marking sleeves are made from irradiated high temperature PVDF.



### Meets specs:

NASA SP-R-0022A Outgassing  
SAE-AS-81531  
MIL-STD-202G (Method 215K)  
RoHS Compliant  
SAE-AMS-DTL-23053/18, Class 2

### Tested per:

ASTM E162  
ASTM E662



### Temp range:

-67°F to 437°F (-55°C to 225°C)

### 3:1

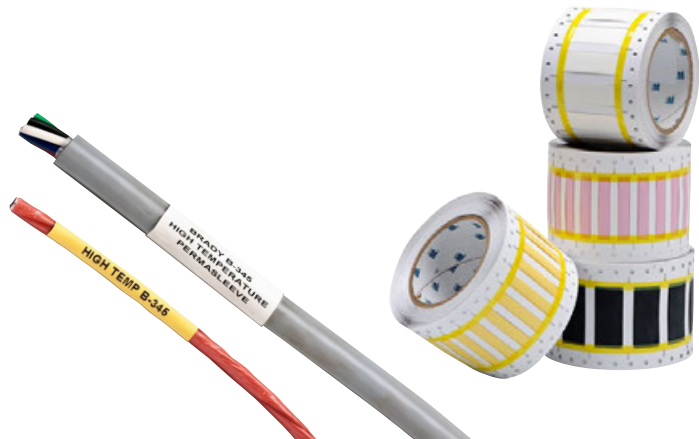
#### Shrink ratio:

3:1 for 3/32" dia only  
2:1 for 1/8" to 1-1/2" dia. only

**Roll splice colour:** Yellow

#### Sleeve colours:

White	Yellow	Pink
Blue	Black	



## Create your own HT PermaSleeve:

Follow these steps to create the B-345 PermaSleeve HT wire marking sleeve part number that meets your needs.

### Example article number:

**2HT - 187 - 2 - WT - S - 4**  
Product    Diameter    Width    Colour    Roll Qty    Pieces  
Optional

### Create your own:

Product    Diameter    Width    Colour    Roll Qty    Pieces  
Optional

### Recommended printing solution



**Printer Series:**  
BradyPrinter i7100 Industrial Label Printer,  
BradyPrinter i5100 Industrial Label Printer  
BBP72-PLUS Double Sided Printer

**Ribbon Series:**  
R6000, R6600, and R6800 (with black sleeves) Series

**Software:**  
Brady Workstation Software

STEP 1: Product type	3HT	=	3:1 Ratio, 094 Dia. Size Only, Double Sided Printing
	2HT	=	2:1 Ratio, 125–1500 Dia. Sizes Only, Double Sided Printing

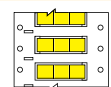
STEP 2: Diameter	094	=	4.60 mm    0.58 - 2.03 mm dia.    26 to 20 gauge
	125	=	6.00 mm    1.17 - 2.79 mm dia.    20 to 16 gauge
	187	=	8.50 mm    1.57 - 3.81 mm dia.    16 to 10 gauge
	250	=	11.15 mm    2.39 - 5.46 mm dia.    12 to 8 gauge
	375	=	16.40 mm    3.28 - 8.13 mm dia.    8 to 4 gauge
	500	=	21.60 mm    4.75 - 11.43 mm dia.    6 to 1 gauge
	750	=	31.80 mm    6.35 - 17.78 mm dia.    2 to 4/0 gauge
	1000	=	42.16 mm    9.53 - 24.13 mm dia.    2/0 to 0.950" dia.
	1500	=	61.80 mm    12.70 - 36.83 mm dia.    n/a

STEP 3: Sleeve width	2	=	50.80 mm sleeve width
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STEP 4: Colour	Standard Colours	Special Order Colours
	WT = White	YL = Yellow    PK = Pink BL = Blue    BK = Black

STEP 5: Roll qty. (optional)	Standard is small size, please enter "S".	
	If sleeve diameter is 094–250	Standard Small (S) = 500
If sleeve diameter is 375–500	Standard Small (S) = 250	
If sleeve diameter is 750–1500	Standard Small (S) = 100	

STEP 6: Pieces per sleeve (optional)	1 marker per sleeve is standard, if desired, the sleeve can be split into multiple pieces.	
	2	=
3	=	Sleeve is slit to create 3 pieces
4	=	Sleeve is slit to create 4 pieces



Example: "3" slit

For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.



## B-7641 PermaSleeve LSZH Low Smoke Zero Halogen Polyolefin wire marking sleeves

B-7641 PermaSleeve LSZH Low Smoke Zero Halogen Polyolefin wire marking sleeves are 2:1 heat shrinkable, low smoke, zero halogen wire marking sleeves. The wire marking sleeves offer outstanding fire safety properties and minimal smoke emission.



**Meets specs:**  
SAE-AS-81531  
MIL-STD-202G (Method 215K)  
RoHS Compliant  
DIN VDE 0472 part 815 (zero halogen)

**Tested per:**  
ASTM E162  
ASTM E662



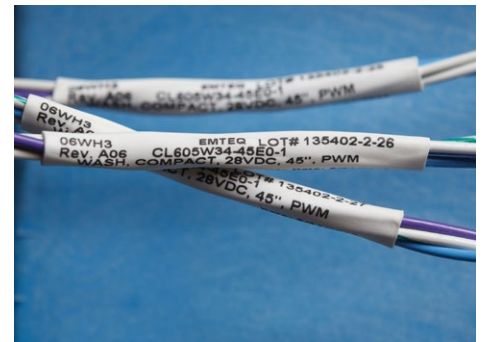
**Temp range:**  
-22°F to 221°F (-30°C to 105°C)

**2:1 Shrink ratio:** 2:1

**Roll splice colour:** Clear

**Sleeve colours:**

White	Yellow	Red
Orange	Blue	Green
Violet	Gray	Black



### Create your own LSZH PermaSleeve:

Follow these steps to create the B-7641 PermaSleeve LSZH wire marking sleeve part number that meets your needs.

**Example article number:**

**2LSZH - 187 - 2 - WT - S - 4**  
 Product    Diameter    Width    Colour    Roll Size    Pieces  
 Optional

**Create your own:**

Product    Diameter    Width    Colour    Roll Size    Pieces  
 Optional

### Recommended printing solution



**Printer compatibility:**  
BradyPrinter i7100 Industrial Label Printer,  
BBP72-PLUS Double Sided Printer

**Ribbon Series:**  
R4300, R6400, R6600, 356126 Series

**Software:**  
Brady Workstation Software

<b>STEP 1: Product type</b>	<b>LSZH</b> = Single Sided Printing
	<b>2LSZH</b> = Double Sided Printing

<b>STEP 2: Diameter</b>	<b>094</b> = 4.60 mm    0.58 - 2.03 mm dia.    24 to 20 gauge
	<b>125</b> = 6.00 mm    1.17 - 2.79 mm dia.    20 to 16 gauge
	<b>187</b> = 8.50 mm    1.57 - 3.81 mm dia.    16 to 10 gauge
	<b>250</b> = 11.15 mm    2.39 - 5.46 mm dia.    12 to 8 gauge
	<b>375</b> = 16.40 mm    3.28 - 8.13 mm dia.    8 to 4 gauge
	<b>500</b> = 21.60 mm    4.75 - 11.43 mm dia.    6 to 1 gauge
	<b>750</b> = 31.80 mm    6.35 - 17.78 mm dia.    2 to 4/0 gauge
	<b>1000</b> = 42.16 mm    9.53 - 24.13 mm dia.    2/0 to 0.950" dia.
	<b>1500</b> = 61.80 mm    12.70 - 36.83 mm dia.    n/a
	<b>2000</b> = 80.40 mm    25.40 - 48.26 mm dia.    n/a

<b>STEP 3: Sleeve width</b>	<b>150</b> = 38.10 mm sleeve width
	<b>2</b> = 50.80 mm sleeve width
	<b>3</b> = 76.20 mm sleeve width <i>only available in 1000, 1500, &amp; 2000 dia. parts</i>

<b>STEP 4: Colour</b>	<i>Standard Colours</i>	<i>Special Order Colours</i>		
	<b>WT</b> = White	<b>BL</b> = Blue	<b>OR</b> = Orange	<b>RD</b> = Red
	<b>YL</b> = Yellow	<b>GR</b> = Green	<b>GY</b> = Gray	<b>VT</b> = Violet

<b>STEP 5: Roll size (optional)</b>	<i>For standard quantity, leave blank. For small qty, enter "S".</i>		
	If sleeve diameter is 094-187	Standard = 2,500	Small (S) = 500
	If sleeve diameter is 250-375	Standard = 1,000	Small (S) = 250
	If sleeve diameter is 500	Standard = 500	Small (S) = 250
	If sleeve diameter is 750-1500	Standard = 250	Small (S) = 100
	If sleeve diameter is 2000	Standard = 100	Small (S) = 50

<b>STEP 6: Pieces per sleeve (optional)</b>	<i>1 marker per sleeve is standard, if desired, the sleeve can be slit to create multiple pieces.</i>	
	<b>2</b> = Sleeve is slit to create 2 pieces	
	<b>3</b> = Sleeve is slit to create 3 pieces	
	<b>4</b> = Sleeve is slit to create 4 pieces	

Example: "3" slit

For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.

## B-7642 PermaSleeve HX Polyolefin wire marking sleeves

B-7642 PermaSleeve HX Polyolefin wire marking sleeves are 2:1 heat shrinkable. The sleeves are high-temperature rated, highly flame retardant, and very flexible.



**Meets specs:**

SAE-AMS-DTL-23053/5 Class 1 & 3  
SAE-AS-81531  
MIL-STD-202G (Method 215K)  
RoHS Compliant

**Tested per:**

ASTM E162  
ASTM E662



**Temp range:**

-40°F to 248°F (-38°C to 120°C)

**2:1 Shrink ratio:** 2:1

**Roll splice colour:** Red

**Sleeve colours:**

White	Yellow	Red	Orange
Blue	Green	Violet	Gray
			Black



### Create your own HX PermaSleeve:

Follow these steps to create the B-7642 PermaSleeve HX wire marking sleeve part number that meets your needs.

**Example article number:**

<b>2HX</b>	<b>- 187</b>	<b>- 2</b>	<b>- WT</b>	<b>- S</b>	<b>- 4</b>
Product	Diameter	Width	Colour	Roll Size	Pieces
				Optional	

**Create your own:**

Product	Diameter	Width	Colour	Roll Size	Pieces
				Optional	

**Recommended printing solution**



**Printer compatibility:**  
BradyPrinter i7100 Industrial Label Printer,  
BBP72-PLUS Double Sided Printer

**Ribbon Series:**  
R4300, R6400, R6600, 356126 Series

**Software:**  
Brady Workstation Software  
CodeSoft Software

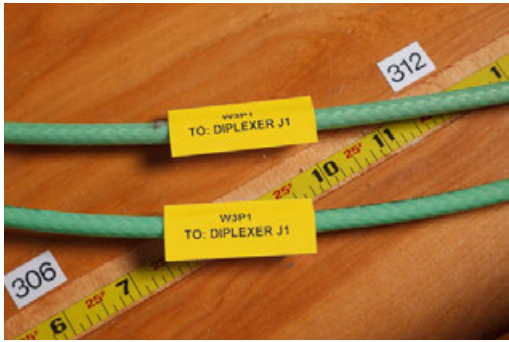
<b>STEP 1: Product type</b>	<b>HX</b> = Single Sided Printing																														
	<b>2HX</b> = Double Sided Printing																														
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<b>STEP 5: Roll size (optional)</b>	<p><i>For standard quantity, leave blank. For small qty, enter "S". For jumbo qty, enter "J".</i></p> <table border="0"> <tr> <td>If sleeve dia. is 094-187</td> <td>Standard = 2,500</td> <td>Small (S) = 500</td> <td>Jumbo (J) = 10,000</td> </tr> <tr> <td>If sleeve dia. is 250</td> <td>Standard = 1,000</td> <td>Small (S) = 250</td> <td>Jumbo (J) = 7,500</td> </tr> <tr> <td>If sleeve dia. is 375</td> <td>Standard = 1,000</td> <td>Small (S) = 250</td> <td>Jumbo (J) = 2,500</td> </tr> <tr> <td>If sleeve dia. is 500</td> <td>Standard = 500</td> <td>Small (S) = 250</td> <td>Jumbo (J) = 2,500</td> </tr> <tr> <td>If sleeve dia. is 750-1000</td> <td>Standard = 250</td> <td>Small (S) = 100</td> <td>Jumbo (J) = 2,500</td> </tr> <tr> <td>If sleeve dia. is 1500</td> <td>Standard = 250</td> <td>Small (S) = 100</td> <td>Jumbo (J) = 1,000</td> </tr> <tr> <td>If sleeve dia. is 2000</td> <td>Standard = 100</td> <td>Small (S) = 50</td> <td>Jumbo (J) = 1,000</td> </tr> </table>	If sleeve dia. is 094-187	Standard = 2,500	Small (S) = 500	Jumbo (J) = 10,000	If sleeve dia. is 250	Standard = 1,000	Small (S) = 250	Jumbo (J) = 7,500	If sleeve dia. is 375	Standard = 1,000	Small (S) = 250	Jumbo (J) = 2,500	If sleeve dia. is 500	Standard = 500	Small (S) = 250	Jumbo (J) = 2,500	If sleeve dia. is 750-1000	Standard = 250	Small (S) = 100	Jumbo (J) = 2,500	If sleeve dia. is 1500	Standard = 250	Small (S) = 100	Jumbo (J) = 1,000	If sleeve dia. is 2000	Standard = 100	Small (S) = 50	Jumbo (J) = 1,000		
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For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.

## B-7646 PermaSleeve DR Diesel Resistant Polyolefin wire marking sleeves

Brady's B-7646 diesel resistant wire marking sleeves are a yellow, 3:1 ratio heat shrinkable wire marking sleeves. These thermal transfer printable sleeves feature a double-sided format.

B-7646 PermaSleeves have been developed for wire and cable identification in applications that have exposures to organic fluids, common fuels, lubricants and solvents for extended periods of time and at high temperatures.



**Meets specs:**  
SAE-AS-81531  
MIL-STD-202G (Method 215K)  
NF F 00-608 Type A and H

**Tested per:**  
ASTM E162  
ASTM E662



**Temp range:**  
-67°F to 275°F (-55°C to 135°C)

**2:1 Shrink ratio:** 2:1

**Roll splice colour:** Clear

**Sleeve colours:**

Yellow



### Create your own DR PermaSleeve:

Follow these steps to create the B-7646 PermaSleeve DR wire marking sleeve part number that meets your needs.

**Example article number:**

**DR - 125 - 2 - YL - 4**  
Product Diameter Width Colour Pieces  
*Optional*

**Create your own:**

Product - Diameter - Width - Colour - Pieces  
*Optional*

### Recommended printing solution



**Printer compatibility:**  
BradyPrinter i7100 Industrial Label Printer,  
BBP72-PLUS Double Sided Printer

**Ribbon Series:**  
R6600 Series

**Software:**  
Brady Workstation Software

<b>STEP 1:</b> Product type	<b>DR</b> = Double Sided Printing															
<b>STEP 2:</b> Diameter	<table border="0"> <tr> <td><b>125</b> = 6.00 mm</td> <td>1.17 - 2.79 mm dia.</td> <td>20 to 16 gauge</td> </tr> <tr> <td><b>187</b> = 8.50 mm</td> <td>1.57 - 3.81 mm dia.</td> <td>16 to 10 gauge</td> </tr> <tr> <td><b>250</b> = 11.15 mm</td> <td>2.39 - 5.46 mm dia.</td> <td>12 to 8 gauge</td> </tr> <tr> <td><b>375</b> = 16.40 mm</td> <td>3.28 - 8.13 mm dia.</td> <td>8 to 4 gauge</td> </tr> <tr> <td><b>500</b> = 21.60 mm</td> <td>4.75 - 11.43 mm dia.</td> <td>6 to 1 gauge</td> </tr> </table>	<b>125</b> = 6.00 mm	1.17 - 2.79 mm dia.	20 to 16 gauge	<b>187</b> = 8.50 mm	1.57 - 3.81 mm dia.	16 to 10 gauge	<b>250</b> = 11.15 mm	2.39 - 5.46 mm dia.	12 to 8 gauge	<b>375</b> = 16.40 mm	3.28 - 8.13 mm dia.	8 to 4 gauge	<b>500</b> = 21.60 mm	4.75 - 11.43 mm dia.	6 to 1 gauge
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<b>STEP 3:</b> Sleeve width	<b>2</b> = 50.80 mm sleeve width															
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<b>STEP 5:</b> Roll size	<p><i>Only available in standard quantity, leave blank.</i></p> <table border="0"> <tr> <td>If sleeve diameter is 125–250</td> <td>Standard = 2,500</td> </tr> <tr> <td>If sleeve diameter is 375</td> <td>Standard = 1,000</td> </tr> <tr> <td>If sleeve diameter is 500</td> <td>Standard = 500</td> </tr> </table>	If sleeve diameter is 125–250	Standard = 2,500	If sleeve diameter is 375	Standard = 1,000	If sleeve diameter is 500	Standard = 500									
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<b>STEP 4: Colour</b>	<p><i>For standard white, leave blank. For other colours insert abbreviation below.</i></p> <p>If material is 342 Also available in YL=Yellow and BK=black If material is 345 Also available in BK=black If material is 7642 Only available as white. If material is 7641 Also available in YL=Yellow</p>																																				
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## PermaSleeve Polyolefin sleeves for i3300 & i5300 Printers

Follow these steps to create the BradyPrinter i3300 / i5300 permasleeve part number that meets your needs.

Example article number:

**B33 - 125 - 2 - 342YL - 2**  
 Product Diameter Width Material/Colour Pieces  
 Optional

Create your own:

\_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
 Product Diameter Width Material/Colour Pieces  
 Optional



<b>STEP 1: Product type</b>	<b>M71</b> = M710 Single Sided Printing <b>BM71</b> = M710 Single Sided Printing Bulk Roll <b>BM71C</b> = M710 Single Sided Printing Bulk Continuous Roll																												
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<i>* Not all combinations available as stock. Contact Brady for custom orders.</i>																													

## M710 PermaSleeve wire markers:

Follow these steps to create the M710 printer permasleeve part number that meets your needs.

Example article number:

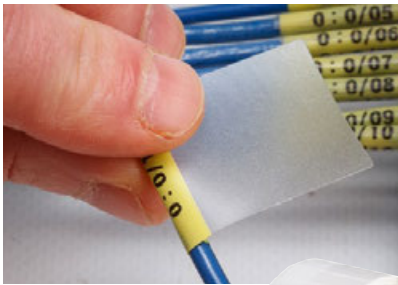
**M71 - 125 - 1 - 342 - YL**  
 Product Diameter Width Material/Colour

Create your own:

\_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
 Product Diameter Width Material/Colour



For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.



## B-427 Self-laminating vinyl material

Brady's most popular wire and cable marker. Self-laminating vinyl features white printable area with a clear "tail" that wraps around marker. Tail serves as overlamine to protect the print. Superior resistance to abrasion, solvents, water, oil and dirt.



**Meets specs:**  
UL Recognized  
RoHS Compliant  
*\* with approved ribbons and surfaces*



**Temp range:**  
-40°F to 158°F (-40°C to 70°C)

**Fits wire diameters:**  
0.079" (2.02 mm) and up

**Available colours:**

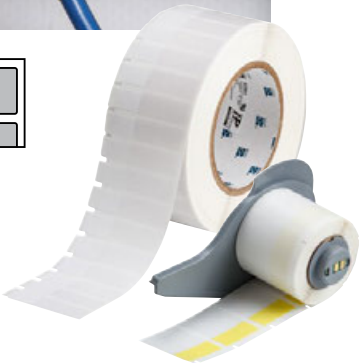
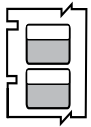
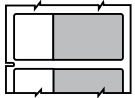
White	Yellow	Red
Blue	Green	Violet

**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer  
BradyPrinter i5100 Industrial Label Printer  
Wraprotor A6500 Printer Applicator  
BradyPrinter i3300 Industrial Label Printer  
BradyPrinter i5300 Industrial Label Printer  
M710 Printer

**Ribbon compatibility:**

R4300 Series  
R4500 Colour Series



## B-642 Self-laminating vinyl material

B-642 Wire Wraps are self-extinguishing and self-laminating with good solvent and heat resistance. This material is a thin tape with excellent flexibility for wrapping on small diameter wires. Features a white printable area with a "clear" tail that wraps over printed legend. This material is intended for cable and wire bundle applications where self-extinguishing properties are required.



**Meets specs:**  
RoHS Compliant  
*\* with approved ribbons and surfaces*



**Temp range:**  
-94°F to 248°F (-70°C to 120°C)

**Fits wire diameters:**  
0.159" (4.04 mm) and up

**Available colours:**

White

**Tested per:**

ASTM G155, Cycle 1  
ASTM B117

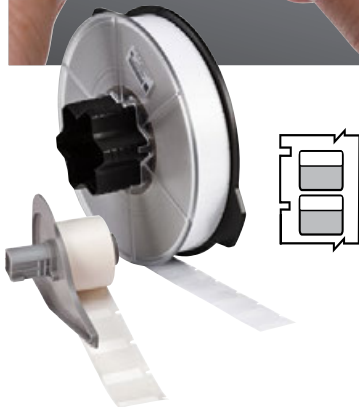
**Printer compatibility:**

Wraprotor A6500 Printer Applicator  
M710 Printer

**Ribbon compatibility:**

R4300 Series  
R4500 Colour Series

*\* Material is also dot matrix printable on a variety of dot matrix printers using R2000 and R5000 dot matrix ribbons.*



### Finding the correct label height for your Self Laminating labels

If you know your wire diameter or wire circumference, you can easily determine the correct label height by using the formula below.

**Step 1:** Wire Diameter  
 $\times 3.14 (\pi)$   
= Wire Circumference

**Step 2:** Wire Circumference  
 $\times 1.5$  (allowing label to wrap 1.5 times around wire)  
= Total Label Length





## B-472 Self-extinguishing wire wrap labels

B-472 Polyimide wire wraps are highly flame-retardant and specifically designed for wire and cable identification applications where self-extinguishing and flame retardant properties are an absolute requirement. In addition, B-472 can also be used for component labelling and Unique Identification (UID) labelling.



**Meets specs:**

RoHS Compliant  
SAE-AS-81531  
MIL-STD-202G (Method 215K)  
*\* with approved ribbons and surfaces*



**Temp range:**

-94°F to 275°F (-70°C to 135°C)

**Fits wire diameters:**

0.063" (1.61 mm) and up

**Available colours:**

White Yellow

**Tested per:**

ASTMD 1000 (Flammability)  
ASTM E162 (Flame Spread)  
ASTM E662 (Flame Emission)

**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer  
BradyPrinter i5100 Industrial Label Printer  
BradyPrinter i5300 Industrial Label Printer  
Wraprot A6500 Printer Applicator  
M710 Printer

**Ribbon compatibility:**

R4300 Series  
R6200 High Performance Series



## B-437 Self-extinguishing wire wrap labels

Tedlar® wire wrap labels (B-437) are self-extinguishing and exhibit good solvent and heat resistance. This material is intended for cable and wire bundle applications where self-extinguishing properties are required.



**Meets specs:**

RoHS Compliant  
MIL-M-87958  
Boeing BMS 13-47  
*\* with approved ribbons and surfaces*



**Temp range:**

-94°F to 275°F (-70°C to 135°C)

**Wire diameters:**

0.079" (2.02 mm) and up

**Available colours:**

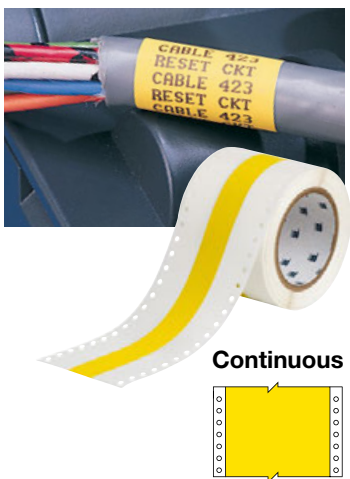
White Yellow

**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer  
BradyPrinter i5100 Industrial Label Printer  
BradyPrinter i5300 Industrial Label Printer  
M710 Printer

**Ribbon compatibility:**

R4300 Series  
R6200 High Performance Series



## B-637 Self-extinguishing Dot Matrix wire wrap labels

Tedlar® Dot Matrix printable wire wrap labels (B-637) are self-extinguishing and exhibit good solvent and heat resistance. This material is intended for cable and wire bundle applications where self-extinguishing properties are required.



**Meets specs:**

RoHS Compliant  
MIL-M-87958  
Boeing BMS 13-47  
*\* with approved ribbons and surfaces*



**Temp range:**

-94°F to 275°F (-70°C to 135°C)

**Wire diameters:**

0.063" (1.61 mm) and up

**Available colours:**

White Yellow

**Tested per:**

ASTM B 117

**Printer & ribbon compatibility:**

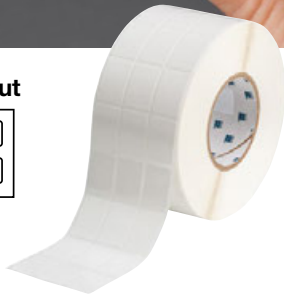
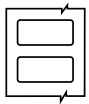
Material is dot matrix printable on a variety of dot matrix printers using R2000 and R5000 dot matrix ribbons.

Tedlar® is a registered trademark of DuPont.

For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.



Die-Cut



## B-498 Repositionable wire wrap labels

Repositionable vinyl cloth wire wrap labels (B-498) have excellent holding power, while allowing for clean removal and repositioning of the label. Ideal for marking both ends of a wire that you may need to cut shorter before final termination.



**Meets specs:**

UL Recognized  
RoHS Compliant  
*\* with approved ribbons and surfaces*



**Temp range:**

-40°F to 175°F (-40°C to 80°C)

**Fits wire diameters:**

0.076" (1.94 mm) and up

**Available colours:**

White

**Tested per:**

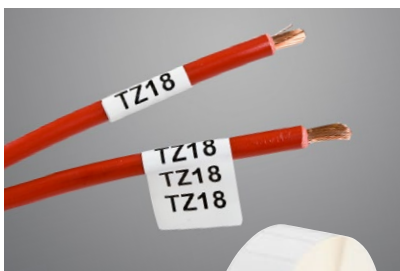
ASTM G155, Cycle 1  
ASTM B117  
Fed. Std. 191A (Method 5306)

**Printer compatibility:**

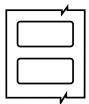
BradyPrinter i7100 Industrial Label Printer  
BradyPrinter i5100 Industrial Label Printer  
BradyPrinter i3300 Industrial Label Printer  
BradyPrinter i5300 Industrial Label Printer  
M710 Printer

**Ribbon compatibility:**

R4300 and R6000 Standard Series  
R4900 and R6200 High Performance Series  
R4500 Colour Series



Die-Cut



## B-499 Permanent adhesive wire wrap labels

Permanent adhesive nylon cloth wire wrap labels (B-499) are intended for general wire marking and labelling applications.



**Meets specs:**

UL Recognized  
CSA Accepted  
Halogen-Free per DIN VDE 0472 (part 815)  
RoHS Compliant  
*\* with approved ribbons and surfaces*



**Temp range:**

-40°F to 193°F (-40°C to 90°C)

**Fits wire diameters:**

0.079" (2.02 mm) and up

**Available colours:**

White

**Tested per:**

ASTM G155, Cycle 1  
ASTM D 2979  
Fed. Std. 191A (Method 5306)


**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer  
BradyPrinter i5100 Industrial Label Printer  
BradyPrinter i5300 Industrial Label Printer  
Wraprotor A6500 Printer Applicator  
BradyPrinter i3300 Industrial Label Printer  
M710 Printer

**Ribbon compatibility:**

R4300 and R6000 Standard Series  
R4900 and R6200 High Performance Series  
R4500 Colour Series

*\* Material is also dot matrix printable on a variety of dot matrix printers using R2000 and R5000 dot matrix ribbons.*



**View the Technical Data Sheets**

Technical Data Sheets for all Brady materials are available online. View by a specific B-Numbers or search by relevant keywords.

**[bradyeurope.com/tds](http://bradyeurope.com/tds)**



## B-423 Glossy flat surface labels

Polyester labels with a gloss topcoat (B-423) and standard adhesive are intended for use in a variety of applications, including electronic PCB and component identification, bar code labelling, inside-panel component labelling, rating plates and solar panel identification.



**Meets specs:**

Halogen-Free per DIN VDE 0472 (part 815)  
 UL Recognized  
 RoHS Compliant  
 CSA Accepted  
 \* with approved ribbons and surfaces

**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer  
 BradyPrinter i5100 Industrial Label Printer  
 BradyPrinter i3300 Industrial Label Printer  
 BradyPrinter i5300 Industrial Label Printer  
 M710 Printer



**Temp range:**

-40°F to 230°F (-40°C to 110°C)

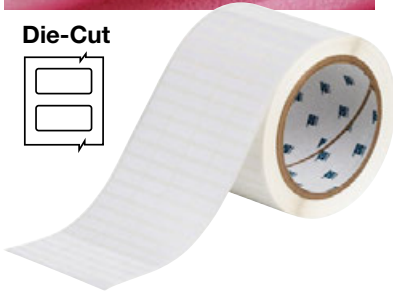
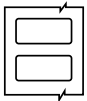
**Ribbon compatibility:**

R6000 Standard Series  
 R4900 High Performance Series  
 R4400 White and Colours Series

**Available colours:**

White

Die-Cut



## B-483 Aggressive adhesive glossy flat surface labels

Gloss white polyester labels (B-483) with an ultra aggressive adhesive specifically designed for high adhesion to textured metals and low surface energy plastics. This material is also ideal for applications requiring adhesion to powder coated surfaces.



**Meets specs:**

UL Recognized  
 RoHS Compliant  
 CSA Accepted  
 \* with approved ribbons and surfaces

**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer  
 BradyPrinter i5100 Industrial Label Printer  
 BradyPrinter i3300 Industrial Label Printer  
 BradyPrinter i5300 Industrial Label Printer  
 M710 Printer



**Temp range:**

-40°F to 248°F (-40°C to 120°C)

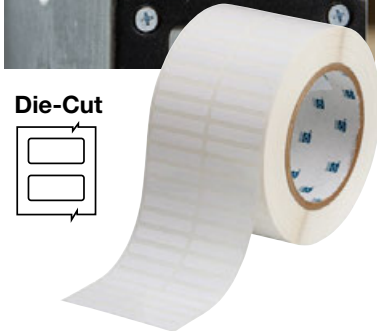
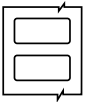
**Ribbon compatibility:**

R6000 Standard Series  
 R4900 High Performance Series  
 R4400 White and Colours Series

**Available colours:**

White

Die-Cut



## B-593 (B-7593) Raised profile labels

Raised profile labels are constructed with a gloss polyester printable surface and an aggressive foam backed adhesive. This provides nameplate-like quality and is intended for use as identifying external push-buttons and switches, as well as rating and serial plates.

Raised profile labels are available in a rectangular format but also with 22.5 and 30.5mm diameter holes to support identification of IEC and NEMA standard push buttons.



**Meets specs:**

UL Recognized  
 cUL Recognized  
 RoHS Compliant  
 \* with approved ribbons and surfaces

**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer  
 BradyPrinter i3300 Industrial Label Printer  
 BradyPrinter i5300 Industrial Label Printer  
 M710 Printer



**Temp range:**

-4°F to 212°F (-20°C to 100°C)

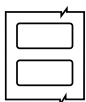
**Ribbon compatibility:**

R6000 Standard Series  
 R4400 White Series

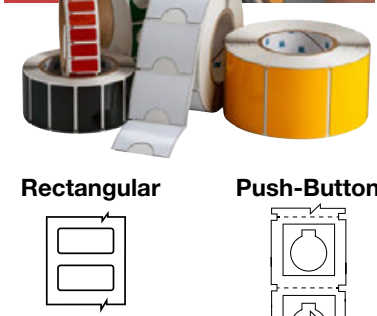
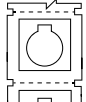
**Available colours:**

White	Yellow	Red
Blue	Green	Silver

Rectangular

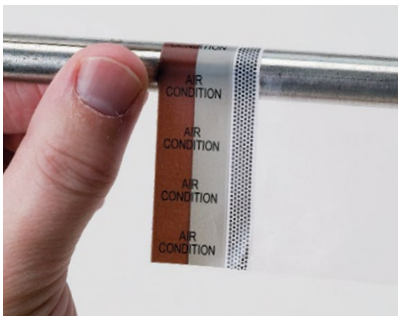


Push-Button



For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.





## B-992 Glossy Fluid Line ID tape

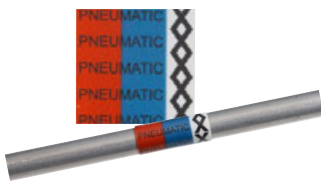
Our Self-Laminating Fluid Line identification tape (B-992) is a glossy polyester tape with permanent, pressure sensitive acrylic adhesive. It can also have a clear tail for self-laminating the printed legend to provide additional durability. In addition, these tapes can eliminate the need for painting, hot stamping and etching of rigid tube identification.



**Specifications:**  
LMA-MF099  
LMA-MF092B

LMA-MF093C  
LMA-MF094C  
FMS-3099A

**Ribbon compatibility:**  
R6000 Standard Series



### Series 1 Fluid Line Tape

Continuous 1" laminated tape fits various diameter tubes and pipes.

- Preprinted with MIL-STD-1247C colours and symbols.



### Series 2 Fluid Line Tape

Continuous 2.5" tape fits various diameter tubes and pipes.

- Preprinted with MIL-STD-1247C colours and symbols
- blank white right side for part number, flow direction, torque value, or other information.

### Series 3 Laminating Tape

Clear continuous tape used to laminate Series 2 fluid line tapes.

- Meets LMA-MF099 performance requirements



### Series 4 Fluid Line Tape

Die-cut, self-laminating, 2.5" wide material designed to fit specific diameter pipes and tubes.

- Has a blank, 1.5" wide area on the right fits printed information as needed and can be either yellow or white.
- Can be perforated or slit for easy separation of function and printable areas
- Meet Bell 31-099, Boeing Helicopter HS184



### Series 5 Fluid Line Tape

Die-cut, self-laminating, 2" wide is designed to fit specific diameter pipes and tubes.

- Has a blank, 1" wide area on right portion of label to fit additional printed information as needed.
- Can also be perforated or slit for easy positioning on the surface
- Colours target MIL-STD-1247C specification



## B-999 Subsurface Printed Fluid Line ID tape

The Subsurface Printed Fluid Line identification tape (B-999) is available in a continuous rollform or die-cut format. It is a subsurface printed, flexible, transparent polyester film tape with heat activated adhesive. The adhesive has superior resistance to fuels, oils, and hydraulic fluids when compared to typical pressure sensitive adhesives. The B-999 tape's low initial adhesion makes the tape easy to reposition when first applied.

- Type 1 - 1" wide without a printable zone
- Type 2 - 3" wide with dot matrix or thermal transfer printable zone
- Available in common colour code legends



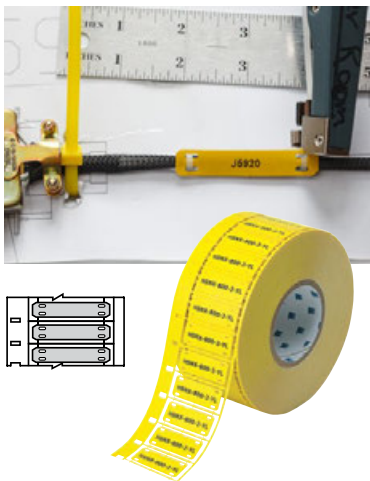
**Specifications:**  
Boeing BPS-T-151 and colours  
target MIL-STD-1247C

**Ribbon compatibility:**  
R6000 Standard Series



## B-508 Nomex® cable and harness marking tags

High performance Nomex® cable and wire harness marking tags (B-508) are designed for use in harsh environments by offering excellent tear, solvent and heat resistance. After printing, they are fastened to bundles using zip ties (sold separately).



**Meets specs:**

SAE-AS-81531  
MIL-STD-202G (Method 215K)  
RoHS compliant  
*\* with approved ribbons and surfaces*

**Tested per:**

ASTM E162  
ASTM E662

**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer



**Temp range:**

-40°F to 248°F (-40°C to 120°C)

**Ribbon compatibility:**

R4300 Standard Series

**Available colours:**

White Yellow

*\* Material is also dot matrix printable on a variety of dot matrix printers using R2000 and R5000 dot matrix ribbons.*

## B-330 BradyWrap cable markers

BradyWrap cable markers (B-330) are heat shrinkable polyolefin markers for wire bundles, large conduits, and installed cables after or before termination. Markers can be heat activated using a heat tool or an over (2 minutes at 275° F) to create the most permanent adhesive bond. B-330 can also be used without heat activation; in that case 72-hour dwell is recommended.



**Meets specs:**

MIL-STD-202G (Method 215K)  
SAE-AS-81531  
*\* with approved ribbons and surfaces*

**Tested per:**

ASTM B-117  
ASTM G155, Cycle 1

**Printer compatibility:**

BradyPrinter i7100 Industrial Label Printer



**Temp range:**

-94°F to 230°F (-70°C to 110°C)

**Ribbon compatibility:**

R4300 Standard Series

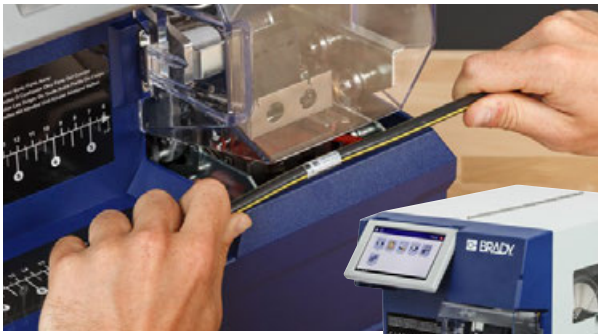
**Available colours:**

White

*\* Material is also dot matrix printable on a variety of dot matrix printers using R2000 and R5000 dot matrix ribbons.*

Nomex® is a registered trademark of DuPont.

For full material specs, visit [bradyeurope.com/tds](http://bradyeurope.com/tds) and search by the B-Number.



**More info online:**  
[bradyeurope.com/wraptor](http://bradyeurope.com/wraptor)



## Wraptor™ A6500

WIRE ID PRINTER APPLICATOR

### Make the identification process easier

The Wraptor A6500 helps you move through your work faster and takes manual processes out of your hands. With this innovative print and apply machine, you can move your productivity forward — and turn a series of labor-intensive, inefficient tasks into a modern automated process. Benefits include:

**Increased productivity.** Save time and labor by printing and applying labels in 5 seconds in a modern automated process.

**Easy to use.** Includes a full colour responsive touch screen and an icon based user interface for ease-of-use.

**Easy to connect.** Enhanced connectivity, three USB ports and 32GB of internal memory to store commonly used job files.



#### Wraptor compatible materials:

- B-427 Self-Laminating Wire Material
- B-472 Polyimide Wirewrap Material
- B-499 Nylon Cloth Material

## BBP72-PLUS

DOUBLE SIDED PRINTER

### Save time. Minimise waste. Reduce sleeving errors.

Heavy duty, high-accuracy printing to get the job done right

Get more with enhanced capabilities:

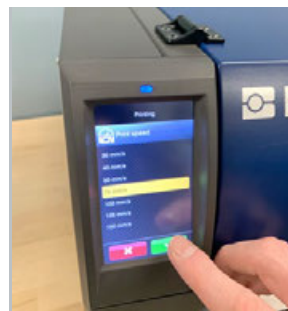
- High-volume, double-sided sleeve printing
- Pairs with Brady Workstation software
- Integrates with ERP/SAP systems
- Crisp, clear printing – 300 dpi resolution
- Large colour touchscreen
- Smooth printing on heat-resilient Brady materials

#### BBP72-PLUS compatible materials:

Die-cut and continuous cable sleeves: B-342, B-344, B-345, B-7641, B-7642, B-7646



**More info online:**  
[bradyeurope.com/BBP72-PLUS](http://bradyeurope.com/BBP72-PLUS)



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