

I.D. PRO Plus®, Brady LS2000 and BradyMarker™ XC Plus Labels

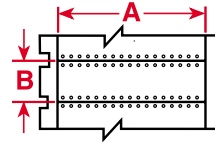
**PRINTER MODEL**

**PRO** = ID PRO/PRO Plus

**LS** = LS2000

**BMXC** = BradyMarker XC Plus

**ALL** = All ID PRO, LS2000, BMXC



► **BRADYSLEEVE™ WIRE MARKING SLEEVES**

**WMS Series – Non-Shrink White Polyolefin (B-319)**

Part Number	Portable Printer Model	Sleeves Per Roll	Range of Wire Dia. Inch (mm)		Approx. Wire Gauge*	Sleeve Dimension Inch (mm)		Maximum Lines of Print (PRO/LS)	Maximum Characters Across	
			Min.	Max.		A	B		Large (PRO/LS)	Small (PRO/LS)
WMS-105-319	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	0.500 (12.70)	0.350 (8.90)	1/1	3/3	4/7
WMS-111-319	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	1.000 (25.40)	0.350 (8.90)	1/1	7/7	10/15
WMS-117-319	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	1.500 (38.10)	0.350 (8.90)	1/1	10/11	15/23
WMS-205-319	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	0.500 (12.70)	0.500 (12.70)	2/2	3/3	4/7
WMS-211-319	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	1.000 (25.40)	0.500 (12.70)	2/2	7/7	10/15
WMS-217-319	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	1.500 (38.10)	0.500 (12.70)	2/2	10/11	15/23
WMS-411-319	ALL	500	0.235 (5.97)	0.375 (9.50)	3-6	1.000 (25.40)	0.750 (19.05)	4/4	7/7	10/15
WMS-417-319	ALL	500	0.235 (5.97)	0.375 (9.50)	3-6	1.500 (38.10)	0.750 (19.05)	4/4	10/11	15/23
WMS-611-319	ALL	250	0.375 (9.50)	0.540 (13.72)	2/0-2	1.000 (25.40)	1.000 (25.40)	6/6	7/7	10/15
WMS-617-319	ALL	250	0.375 (9.50)	0.540 (13.72)	2/0-2	1.500 (38.10)	1.000 (25.40)	6/6	10/11	15/23

**WMS Series – Heat-Shrink White Polyolefin (B-321)**

Part Number	Portable Printer Model	Sleeves Per Roll	Range of Wire Dia. Inch (mm)		Approx. Wire Gauge*	Sleeve Dimension Inch (mm)		Maximum Lines of Print (PRO/LS)	Maximum Characters Across	
			Min.	Max.		A	B		Large (PRO/LS)	Small (PRO/LS)
WMS-105-321	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	0.500 (12.70)	0.350 (8.90)	1/1	3/3	4/7
WMS-111-321	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	1.000 (25.40)	0.350 (8.90)	1/1	7/7	10/15
WMS-117-321	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	1.500 (38.10)	0.350 (8.90)	1/1	10/11	15/23
WMS-205-321	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	0.500 (12.70)	0.500 (12.70)	2/2	3/3	4/7
WMS-211-321	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	1.000 (25.40)	0.500 (12.70)	2/2	7/7	10/15
WMS-217-321	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	1.500 (38.10)	0.500 (12.70)	2/2	10/11	15/23
WMS-411-321	ALL	500	0.235 (5.97)	0.375 (9.50)	3-6	1.000 (25.40)	0.750 (19.05)	4/4	7/7	10/15
WMS-417-321	ALL	500	0.235 (5.97)	0.375 (9.50)	3-6	1.500 (38.10)	0.750 (19.05)	4/4	10/11	15/23
WMS-611-321	ALL	250	0.375 (9.50)	0.540 (13.72)	2/0-2	1.000 (25.40)	1.000 (25.40)	6/6	7/7	10/15
WMS-617-321	ALL	250	0.375 (9.50)	0.540 (13.72)	2/0-2	1.500 (38.10)	1.000 (25.40)	6/6	10/11	15/23

**WMS Series – Self-Extinguishing White Polyolefin (B-322)**

Part Number	Portable Printer Model	Sleeves Per Roll	Range of Wire Dia. Inch (mm)		Approx. Wire Gauge*	Sleeve Dimension Inch (mm)		Maximum Lines of Print (PRO/LS)	Maximum Characters Across	
			Min.	Max.		A	B		Large (PRO/LS)	Small (PRO/LS)
WMS-105-322	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	0.500 (12.70)	0.350 (8.90)	1/1	3/3	4/7
WMS-111-322	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	1.000 (25.40)	0.350 (8.90)	1/1	7/7	10/15
WMS-117-322	ALL	500	0.075 (1.90)	0.130 (3.30)	12-18	1.500 (38.10)	0.350 (8.90)	1/1	10/11	15/23
WMS-205-322	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	0.500 (12.70)	0.500 (12.70)	2/2	3/3	4/7
WMS-211-322	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	1.000 (25.40)	0.500 (12.70)	2/2	7/7	10/15
WMS-217-322	ALL	500	0.130 (3.30)	0.235 (5.97)	8-10	1.500 (38.10)	0.500 (12.70)	2/2	10/11	15/23
WMS-411-322	ALL	500	0.235 (5.97)	0.375 (9.50)	3-6	1.000 (25.40)	0.750 (19.05)	4/4	7/7	10/15
WMS-417-322	ALL	500	0.235 (5.97)	0.375 (9.50)	3-6	1.500 (38.10)	0.750 (19.05)	4/4	10/11	15/23
WMS-611-322	ALL	250	0.375 (9.50)	0.540 (13.72)	2/0-2	1.000 (25.40)	1.000 (25.40)	6/6	7/7	10/15
WMS-617-322	ALL	250	0.375 (9.50)	0.540 (13.72)	2/0-2	1.500 (38.10)	1.000 (25.40)	6/6	10/11	15/23

\*Based on National Electric Code insulation measurement of THHN wire.

I.D. PRO PLUS, BRADY LS2000 AND BRADYMARKER XC PLUS LABELS PORTABLE PRINTERS AND LABELS

► **BRADYSLEEVE™ COMPUTER-PRINTABLE WIRE MARKERS**

Select from 3 durable materials:

**B-319 Non-Shrink Polyolefin**

- ▶ Provides low-cost method for wire identification
- ▶ Outstanding legend performance and smudge resistance
- ▶ Temperature range: -40°F to 221°F (-40°C to 105°C)

**B-321 Heat-Shrink Polyolefin**

- ▶ Heat-shrinkable material provides a skin-tight bond; marker will not slip off wire
- ▶ Excellent resistance to oils and solvents
- ▶ Temperature range: -65°F to 221°F (-54°C to 105°C)

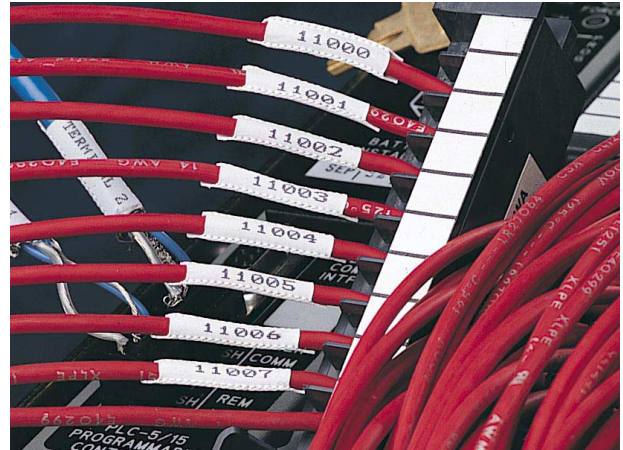
**B-322 Self-Extinguishing Heat-Shrink Polyolefin**

- ▶ Ideal for applications requiring self-extinguishing properties
- ▶ Meets flammability requirements of MIL-I-23053C
- ▶ Temperature range: -40°F to 221°F (-40°C to 105°C)

**Brady Heat Gun**

The Brady Heat Gun provides fast, even shrinkage of BradySleeve and PermaSleeve™ markers or heat-shrinkable tubing. Deflector shield evenly distributes forced air heat (minimum temperature 500°F (260°C)) around sleeves of up to 3/4" diameter for uniform shrinkage. Sturdy base with rubber pad allows hands-off operation.

Part Number	Description
PMS-HG-1	Brady Heat Gun



Durable BradySleeve markers stand up to tough conditions, assuring long life and a permanent legend. The exclusive topcoat "soaks up" ink and retains it permanently, without additional curing. BradySleeve markers can be imprinted using a wide variety of systems.



BradySleeve and PermaSleeve heat-shrinkable markers conform tightly to the wire when heat is applied for a few seconds. The Brady Heat Gun facilitates BradySleeve and PermaSleeve wire marker applications.



The specially designed starter edge on BradySleeve markers makes wire insertion fast and easy. The marker hugs the wire and stays in place for shrinking.

## Master Materials Chart

Brady Material #	Material	Color	Temp. Range	Print Technology	Properties & Applications
B-184	Aluminum Foil	Silver	-40°F to 266°F (-40°C to 130°C)	Pre-Printed	Dead soft aluminum foil with good conformability. Permanent debossing when marked. Resistant to heat, oil and solvents. Abrasion-resistant. Environments containing heat, oil or solvents; abrasive environments. Excellent for motor vehicles and outdoor wiring.
B-292	Vinyl	Clear/White	-40°F to 150°F (-40°C to 66°C)	Dot Matrix ID PRO® Plus LS2000	Good conformability, durability. Self-extinguishing; write-on surface. Resistant to oil, water, solvents. Environments containing oil, water or solvents. On-the-job marking. Excellent for machine tool and underground wiring. Outstanding flat ribbon cable marker. 
B-302	Polyester	White	-40°F to 230°F (-40°C to 110°C)	Pre-Printed	Surface printed white polyester with clear polyester overlamine.
B-319	Polyolefin	White	-40°F to 221°F (-40°C to 105°C)	Dot Matrix ID PRO Plus LS2000	Good legend permanence and smudge resistance. Applications requiring sleeve markers, computer-printable. Non heat-shrinkable.
B-321	Polyolefin	White	-65°F to 221°F (-54°C to 105°C)	Dot Matrix ID PRO Plus LS2000	Heat-shrinkable; excellent resistance to oil and solvents. Ink-receptive coating provides permanent legibility. Applications requiring sleeve markers, computer-printable.
B-322	Polyolefin	White or Yellow	-40°F to 221°F (-40°C to 105°C)	Dot Matrix ID PRO Plus LS2000	Heat-shrinkable; self-extinguishing, permanent legibility. Applications requiring self-extinguishing sleeve markers, computer-printable. Aerospace and military wire marking. Meets MIL-S-85848.
B-325	PVC Polyvinyl-chloride	Yellow	-40°F to 212°F (-40°C to 100°C)	Pre-Printed Omni-Grip®	Pre-printed full circle polyvinylchloride sleeves.
B-330	Polyolefin	White or Yellow	-40°F to 248°F (-40°C to 120°C)	Dot Matrix	Heat-shrinkable polyolefin film with a computer-printable topcoat and a heat-activating adhesive. Identification of wire bundles, large conduits and installed cables.
B-341	Polyolefin	White or Yellow	-67°F to 275°F (-55°C to 135°C)	Dot Matrix Thermal Transfer	2-to-1 shrink ratio self-extinguishing; meets the material and physical property requirements of MIL-DTL-23053/5C (Class 1); MIL-M-81531; MIL-STD-202F; method 215 and UL224.
B-342	Polyolefin	White	-67°F to 275°F (-55°C to 135°C)	Dot Matrix Thermal Transfer ID PRO Plus LS2000, TLS2200®	3-to-1 shrink ratio self-extinguishing; meets the material and physical property requirements of MIL-DTL-23053/5C (class 1); MIL-M-81531; MIL-STD-202F; method 215 and UL 224
B-350	Polyester/Paper Laminate	White	-94°F to 194°F (-70°C to 90°C)	Pre-Printed Thermal Transfer	Provides clear evidence of exposure to water for controlling invalid warranty claims, failure analysis or troubleshooting (service and repair).
B-351	Vinyl	White	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer	Tamper-resistant film with a permanent acrylic adhesive. Good resistance to solvents and humidity. Designed to fracture easily to prevent one-piece removal.
B-352	Metallized Vinyl	Silver	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer	Tamper-resistant metallized film. Good resistance to solvents and humidity. Designed to fracture easily to prevent one-piece removal. 
B-354	Water-Indicating Polyester/Paper Laminate	Gloss White	-94°F to 194°F (-70°C to 90°C)	Thermal Transfer	Provides clear evidence of exposure to water for controlling invalid warranty claims, failure analysis or troubleshooting (service and repair). Standard color change is white to blue. For special high volume applications, available in custom indicating colors and/or designs 
B-358	Acetate	Gloss Clear	-40°F to 175°F (-40°C to 80°C)	Thermal Transfer	Tamper resistant film with a permanent acrylic adhesive. Designed to fracture easily when removal is attempted. For use as package seals / closures.
B-359	Acetate	Gloss White	-40°F to 175°F (-40°C to 80°C)	Thermal Transfer	Tamper resistant film with a permanent acrylic adhesive. Designed to fracture easily when removal is attempted. For use as package seals / closures.
B-361	Polyester	Clear/White	-94°F to 230°F (-70°C to 110°C)	Laser	Flexible, clear and conformable. Permanent adhesion within 24 hours. Self-laminating wire, cable and vial markers used in power plants and laboratories. Low halogen and sulfur content.
B-389	Polypropylene	White	-40°F to 221°F (-40°C to 100°C)	Dot Matrix	Printable rigid inserts designed to be affixed to a wire.

 \*These materials are UL recognized.

\*Refer to the full page charts on pages 280-281 for more information and complete listing of parts.