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Product Catalog

Patch Panel Strips (B-412 and B-422)

- **B-412 Non-Adhesive Polypropylene Strips:**
Designed for high legibility and tensile strength
- **B-422 Polyester Material:** Permanent aggressive adhesive, good for powder-coated and textured surfaces. Best on flat surfaces. Temp. range: -40°F to 212°F (-40°C to 100°C). UL recognized.

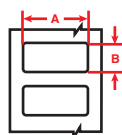


Figure 2



Figure 33



Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-412 Non-Adhesive Polypropylene Material								
Fig. 33	M71C-230-412	B-412	Polyethylene Non-Adhesive Strip	White	0.230 (5.8)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-375-412	B-412	Polyethylene Non-Adhesive Strip	White	0.375 (9.5)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-475-412	B-412	Polyethylene Non-Adhesive Strip	White	0.475 (12.1)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-500-412	B-412	Polyethylene Non-Adhesive Strip	White	0.500 (12.7)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-625-412	B-412	Polyethylene Non-Adhesive Strip	White	0.625 (15.9)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-785-412	B-412	Polyethylene Non-Adhesive Strip	White	0.785 (19.9)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6200
B-422 Permanent Adhesive Polyester Material								
Fig. 33	M71C-375-422	B-422	Polyester Adhesive Strip	White	0.375 (9.5)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000
Fig. 33	M71C-475-422	B-422	Polyester Adhesive Strip	White	0.475 (12.1)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000
Fig. 33	M71C-500-422	B-422	Polyester Adhesive Strip	White	0.500 (12.7)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000
Fig. 33	M71C-625-422	B-422	Polyester Adhesive Strip	White	0.625 (15.9)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000
Fig. 33	M71C-1000-422	B-422	Polyester Adhesive Strip	White	1.000 (25.4)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000
Fig. 33	M71C-1900-422	B-422	Polyester Adhesive Strip	White	1.900 (48.3)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000
Fig. 2	M71-45-422	B-422	Polyester Individual Labels	White	1.500 (38.1)	0.375 (9.5)	500	M71-R6000
Fig. 2	M71-30-422	B-422	Polyester Individual Labels	White	1.500 (38.1)	0.750 (19.1)	250	M71-R6000
Fig. 2	BM71-20-422	B-422	Polyester Individual Labels	White	2.000 (50.8)	1.000 (25.4)	1,000	M71-R6000
Fig. 2	M71-37-422	B-422	Polyester Individual Labels	White	3.000 (76.2)	1.900 (48.3)	100	M71-R6000

Faceplate, Outlet and Port Labels (B-412, B-423 and B-595)

- **B-412 Non-Adhesive Polypropylene Tag Material:**
Designed for high legibility and tensile strength.
- **B-423 Polyester Material:** White glossy polyester with aggressive adhesive
- **B-595 Indoor / Outdoor Vinyl Material:**
Aggressive permanent adhesive, very pliable, conforms to rough surfaces, excellent resistance to oils, detergents, dirt and many solvents

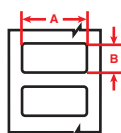


Figure 2

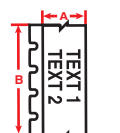


Figure 33

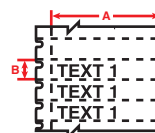


Figure 55



Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-412 Non-Adhesive Polypropylene								
Fig. 55	BM71-40-412	B-412	Non-adhesive Strip	White	1.938 (49.2)	0.375 (9.5)	5,000	M71-R6200
Fig. 55	M71-40-412	B-412	Non-adhesive Strip	White	1.938 (49.2)	0.375 (9.5)	750	M71-R6200
B-423 Permanent Polyester								
Fig. 2	M71-7-423	B-423	Polyester	White	0.500 (12.700)	0.500 (12.700)	500	M71-R6000
Fig. 33	M71C-500-423	B-423	Polyester Strip	White	0.500 (12.700)	50 ft. (15.24 m)	1 roll (cont.)	M71-R6000
Fig. 2	M71-16-423	B-423	Polyester Individual Labels	White	1.000 (25.400)	0.375 (9.530)	500	M71-R6000
Fig. 2	M71-17-423	B-423	Polyester Individual Labels	White	1.000 (25.400)	0.500 (12.700)	500	M71-R6000
Fig. 2	M71-29-423	B-423	Polyester Individual Labels	White	1.500 (38.100)	0.500 (12.700)	500	M71-R6000
B-595 Indoor / Outdoor Vinyl								
Fig. 33	M71C-500-595-WT	B-595	Vinyl Strip	White	0.500 (12.7)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000

Non-Adhesive Tags (B-109 and B-145)

- **B-109 Polyethylene Tags:** Multipurpose tag that can be used for a variety of applications including identification of multi-conductor cables, inventory, equipment, lockout and work-in-progress. Extremely tear resistant and superior cold-weather tag
- **B-145 Polyethylene and B-145FR Fire Retardant Polyethylene Tags:** Hang tags are made of 9.5 mil cross laminated polyethylene film with a thermal transfer printable topcoat. Used for a variety of tag applications including on multiconductor cables and equipment

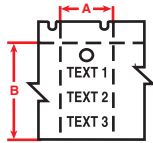


Figure 45

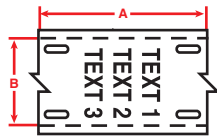


Figure 56

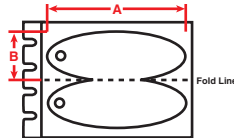


Figure 50



Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-109 Polyethylene Tags								
Fig. 45	M71-36-109	B-109	Polyethylene	White	1.125 (28.6)	1.750 (44.5)	250	M71-R4300
Fig. 56	M71-12-109	B-109	Polyethylene	White	3.000 (76.2)	0.750 (19.1)	100	M71-R4300
Fig. 56	BM71-12-109	B-109	Polyethylene	White	3.000 (76.2)	0.750 (19.1)	1,000	M71-R4300
B-145 Polyethylene Tags								
Fig. 50	BM71-111-145-GY	B-145	Polyethylene	Light Gray	1.206 (30.6)	0.758 (19.3)	1,000	M71-R6000
Fig. 50	M71-111-145-GY	B-145	Polyethylene	Light Gray	1.206 (30.6)	0.758 (19.3)	100	M71-R6000
Fig. 50	BM71-110-145-GY	B-145	Polyethylene	Light Gray	1.750 (44.5)	1.000 (25.4)	1,000	M71-R6000
Fig. 50	M71-110-145-GY	B-145	Polyethylene	Light Gray	1.750 (44.5)	1.000 (25.4)	100	M71-R6000
B-145FR Fire Retardant Polyethylene Tags								
Fig. 50	M71-111-145FR-GY	B-145FR	Polyethylene	Light Gray	1.206 (30.6)	0.758 (19.3)	100	M71-R6000
Fig. 50	M71-110-145FR-GY	B-145FR	Polyethylene	Light Gray	1.750 (44.5)	1.000 (25.4)	100	M71-R6000

Fiber Optic Cable Flags (B-425)

Flags allows more legible information on smaller diameter wires and permits you to handle and view labels without touching the wires. Matte white polypropylene with excellent solvent resistance and print performance; not recommended for long-term outdoor use.

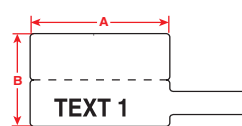


Figure 47

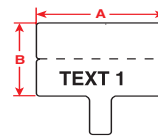


Figure 48



Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
Fig. 47	M71FP-1-425	B-425	Polypropylene	White	1.180 (30.0)	0.788 (20.0)	250	M71-R4300
Fig. 48	M71FT-1-425	B-425	Polypropylene	White	1.180 (30.0)	0.788 (20.0)	250	M71-R4300
Fig. 47	M71FP-2-425	B-425	Polypropylene	White	1.750 (44.5)	1.000 (25.4)	100	M71-R4300

Terminal Block Repositionable Adhesive Strips (B-498)

The adhesive and cloth backing offers excellent holding power, yet allows for clean removal and repositioning if necessary. Temp. range -40° F to 175° F (-40° C to 70° C). UL recognized.



Figure 33

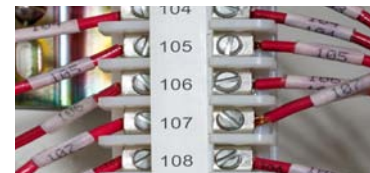


Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Roll Length B Feet (m)	Labels Per Roll	Rec. Ribbon
Fig. 33	M71C-240-498	B-498	Vinyl Cloth	White	0.240 (6.1)	30 (9.1)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-318-498	B-498	Vinyl Cloth	White	0.318 (8.1)	30 (9.1)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-375-498	B-498	Vinyl Cloth	White	0.375 (9.5)	30 (9.1)	1 roll (cont.)	M71-R6200
Fig. 33	BM71C-240-498	B-498	Vinyl Cloth	White	0.240 (6.1)	275 (83.8)	1 roll (cont.)	M71-R6200
Fig. 33	BM71C-318-498	B-498	Vinyl Cloth	White	0.318 (8.1)	275 (83.8)	1 roll (cont.)	M71-R6200
Fig. 33	BM71C-375-498	B-498	Vinyl Cloth	White	0.375 (9.5)	275 (83.8)	1 roll (cont.)	M71-R6200

Adhesive Cloth Wire and Cable Labels (B-498 and B-499)

- **B-498 Repositionable Vinyl Cloth:** Adhesive and cloth backing offers excellent holding power, yet allow for removal and repositioning. Temp. range -40° F to 175° F (-40° C to 70° C). UL recognized.
- **B-499 Permanent Nylon Cloth:** Durable industrial strength and designed to conform to curved surfaces

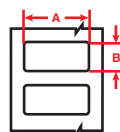


Figure 2



Figure 33



Figure	Catalog #	Material	Color	Approx. Wire Gauge	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-498 Repositionable Vinyl Cloth Labels								
Fig. 2	M71-7-498	B-498	White	16 to 10	0.500 (12.7)	0.500 (12.7)	500	M71-R6200
Fig. 2	M71-17-498	B-498	White	16 to 10	1.000 (25.4)	0.500 (12.7)	500	M71-R6200
Fig. 2	M71-10-498	B-498	White	16 to 10	0.250 (6.4)	0.750 (19.1)	750	M71-R6200
Fig. 2	BM71-11-498	B-498	White	16 to 10	0.500 (12.7)	0.750 (19.1)	5,000	M71-R6200
Fig. 2	M71-11-498	B-498	White	16 to 10	0.500 (12.7)	0.750 (19.1)	500	M71-R6200
Fig. 2	M71-16-498	B-498	White	12 to 10	0.375 (9.5)	1.000 (25.4)	500	M71-R6200
Fig. 2	BM71-18-498	B-498	White	12 to 10	0.750 (19.1)	1.000 (25.4)	2,500	M71-R6200
Fig. 2	M71-18-498	B-498	White	12 to 10	0.750 (19.1)	1.000 (25.4)	250	M71-R6200
Fig. 2	BM71-19-498	B-498	White	12 to 10	1.000 (25.4)	1.000 (25.4)	2,500	M71-R6200
Fig. 2	M71-19-498	B-498	White	12 to 10	1.000 (25.4)	1.000 (25.4)	250	M71-R6200
Fig. 2	BM71-29-498	B-498	White	10 to 4	0.500 (12.7)	1.500 (38.1)	500	M71-R6200
Fig. 2	M71-29-498	B-498	White	10 to 4	0.500 (12.7)	1.500 (38.1)	500	M71-R6200
Fig. 2	M71-30-498	B-498	White	10 to 4	0.750 (19.1)	1.500 (38.1)	250	M71-R6200
Fig. 2	M71-31-498	B-498	White	10 to 4	1.000 (25.4)	1.500 (38.1)	250	M71-R6200
Fig. 2	M71-32-498	B-498	White	10 to 4	1.500 (38.1)	1.500 (38.1)	250	M71-R6200
Fig. 2	M71-21-498	B-498	White	Cables	1.000 (25.4)	2.500 (63.5)	100	M71-R6200
Fig. 2	M71-33-498	B-498	White	Cables	1.500 (38.1)	4.000 (101.6)	100	M71-R6200
Fig. 33	M71C-500-498	B-498	White	–	0.500 (12.7)	30 ft. (9.1 m)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-1000-498	B-498	White	–	1.000 (25.4)	30 ft. (9.1 m)	1 roll (cont.)	M71-R6200
Fig. 33	M71C-1900-498	B-498	White	–	1.900 (48.3)	30 ft. (9.1 m)	1 roll (cont.)	M71-R6200
B-499 Nylon Cloth Labels								
Fig. 2	M71-7-499	B-499	White	16 to 10	0.500 (12.7)	0.500 (12.7)	500	M71-R4300
Fig. 2	BM71-11-499	B-499	White	16 to 10	0.500 (12.7)	0.750 (19.1)	5000	M71-R4300
Fig. 2	M71-11-499	B-499	White	16 to 10	0.500 (12.7)	0.750 (19.1)	500	M71-R4300
Fig. 2	M71-16-499	B-499	White	12 to 10	0.375 (9.5)	1.000 (25.4)	500	M71-R4300
Fig. 2	M71-18-499	B-499	White	12 to 10	0.750 (19.1)	1.000 (25.4)	250	M71-R4300
Fig. 2	M71-19-499	B-499	White	12 to 10	1.000 (25.4)	1.000 (25.4)	250	M71-R4300
Fig. 2	M71-78-499	B-499	White	12 to 10	1.900 (48.3)	1.000 (25.4)	250	M71-R4300
Fig. 2	M71-28-499	B-499	White	10 to 4	0.250 (6.4)	1.500 (38.1)	750	M71-R4300
Fig. 2	M71-29-499	B-499	White	10 to 4	0.500 (12.7)	1.500 (38.1)	500	M71-R4300
Fig. 2	M71-30-499	B-499	White	10 to 4	0.750 (19.1)	1.500 (38.1)	250	M71-R4300
Fig. 2	M71-31-499	B-499	White	10 to 4	1.000 (25.4)	1.500 (38.1)	250	M71-R4300
Fig. 2	M71-21-499	B-499	White	Cables	1.000 (25.4)	2.500 (63.5)	100	M71-R4300
Fig. 33	M71C-500-499	B-499	White	–	0.500 (12.7)	30 ft. (9.1 m)	1 roll (cont.)	M71-R4300
Fig. 33	M71C-1000-499	B-499	White	–	1.000 (25.4)	30 ft. (9.1 m)	1 roll (cont.)	M71-R4300
Fig. 33	M71C-1900-499	B-499	White	–	1.900 (48.3)	30 ft. (9.1 m)	1 roll (cont.)	M71-R4300

High Temp Wire and Cable Labels (B-437, B-472)

- **B-437 Polyvinylfluoride Material:** Permanent acrylic adhesive and has excellent resistance to water, oil and other common fluids. Meets the requirements of MIL-M-87958. UL approved.
- **B-472 Polyimide Material:** Specifically designed to self-extinguish and prevent flames from propagating

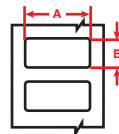


Figure 2



Figure 33



Figure	Catalog #	B#	Material	Color	Approx. Wire Gauge	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-437 Polyvinylfluoride									
Fig. 2	M71-10-437	B-437	Polyvinylfluoride	White	16 to 10	0.250 (6.4)	0.750 (25.4)	750	M71-R4300
Fig. 2	M71-15-437	B-437	Polyvinylfluoride	White	12 to 10	0.275 (7.0)	1.000 (25.4)	750	M71-R4300
Fig. 2	M71-29-437	B-437	Polyvinylfluoride	White	10 to 4	0.500 (12.7)	1.500 (19.1)	500	M71-R4300
B-472 Polyimide									
Fig. 2	M71-10-472	B-472	Polyimide	White	16 to 10	0.250 (6.4)	0.750 (25.4)	750	M71-R4300
Fig. 2	M71-30-472	B-472	Polyimide	White	16 to 10	1.500 (38.1)	0.750 (38.1)	250	M71-R4300
Fig. 2	M71-15-472	B-472	Polyimide	White	12 to 10	0.275 (7.0)	1.000 (25.4)	750	M71-R4300
Fig. 2	M71-17-472	B-472	Polyimide	White	12 to 10	0.500 (12.7)	1.000 (25.4)	500	M71-R4300
Fig. 2	M71-19-472	B-472	Polyimide	White	12 to 10	1.000 (25.4)	1.000 (25.4)	250	M71-R4300
Fig. 2	M71-21-472	B-472	Polyimide	White	12 to 10	2.500 (63.5)	1.000 (38.1)	100	M71-R4300
Fig. 2	M71-29-472	B-472	Polyimide	White	10 to 4	0.500 (12.7)	1.500 (19.1)	500	M71-R4300
Fig. 2	M71-31-472	B-472	Polyimide	White	10 to 4	1.000 (25.4)	1.500 (16.5)	250	M71-R4300
Fig. 33	M71C-1000-472	B-472	Polyimide	White	-	1.000 (25.4)	50 ft. (15.2 m)	1 roll (cont.)	M71-R4300
Fig. 33	M71C-1500-472	B-472	Polyimide	White	-	1.500 (38.1)	50 ft. (15.2 m)	1 roll (cont.)	M71-R4300
Fig. 33	M71C-2000-472	B-472	Polyimide	White	-	2.000 (50.8)	50 ft. (15.2 m)	1 roll (cont.)	M71-R4300
Fig. 33	M71C-1000-472-YL	B-472	Polyimide	Yellow	-	1.000 (38.1)	50 ft. (15.2 m)	1 roll (cont.)	M71-R4300
Fig. 33	M71C-1500-472-YL	B-472	Polyimide	Yellow	-	1.500 (50.8)	50 ft. (15.2 m)	1 roll (cont.)	M71-R4300
Fig. 33	M71C-2000-472-YL	B-472	Polyimide	Yellow	-	2.000 (38.1)	50 ft. (15.2 m)	1 roll (cont.)	M71-R4300

Self-Extinguishing Polyvinylfluoride Labels (B-642)

Clear polyvinylfluoride film with a white printable zone and a translucent overlaminating area offers excellent flexibility for wrapping around small diameter wires. Material features self-extinguishing properties and is solvent resistant.

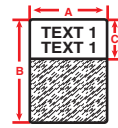


Figure 32



Figure	Catalog #	B#	Material	Color	Approx. Wire Gauge	Label Width A Inch (mm)	Label Height B Inch (mm)	Print-On Height C Inch (mm)	Labels Per Roll	Rec. Ribbon
Fig. 32	M71-19-642	B-642	Polyvinylfluoride	White	12 to 10	1.000 (25.400)	1.000 (25.400)	0.375 (9.530)	250	M71-R4300
Fig. 32	M71-31-642	B-642	Polyvinylfluoride	White	10 to 4	1.000 (25.400)	1.500 (38.100)	0.500 (12.700)	250	M71-R6200
Fig. 32	M71-21-642	B-642	Polyvinylfluoride	White	25 Pair Copper	1.000 (25.400)	2.500 (63.500)	0.750 (38.1)	100	M71-R6200

Self-Laminating Vinyl Wire and Cable Labels (B-427)

Labels feature a clear, non-printable area that wraps around print-on area to protect text. Vinyl material offers superior resistance to solvents, oil, grease, dirt and water. Temp. range -40° F to 158° F (-40° C to 70° C), UL recognized.

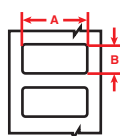


Figure 2

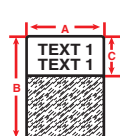


Figure 32

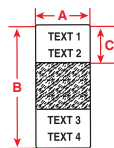


Figure 43

Figure	Catalog #	B#	Color	Approx. Wire Gauge	Label Width A Inch (mm)	Label Height B Inch (mm)	Print-On Height C Inch (mm)	Labels Per Roll	Rec. Ribbon
Fig. 32	M71-10-427	B-427	White	16 to 10	0.250 (6.350)	0.750 (19.050)	0.375 (9.530)	750	M71-R4300
Fig. 32	M71-11-427	B-427	White	16 to 10	0.500 (12.700)	0.750 (19.050)	0.375 (9.530)	500	M71-R4300
Fig. 32	BM71-11-427	B-427	White	16 to 10	0.500 (12.700)	0.750 (19.050)	0.375 (9.530)	5,000	M71-R4300
Fig. 32	M71-96-427	B-427	White	16 to 10	1.000 (25.400)	0.750 (19.050)	0.375 (9.530)	250	M71-R4300
Fig. 2	M71-30-427-AW	B-427	White	10 to 4	1.500 (38.100)	0.750 (19.050)	—	250	M71-R4300
Fig. 32	M71-17-427	B-427	White	12 to 10	0.500 (12.700)	1.000 (25.400)	0.375 (9.530)	500	M71-R4300
Fig. 32	BM71-17-427	B-427	White	12 to 10	0.500 (12.700)	1.000 (25.400)	0.375 (9.530)	5,000	M71-R4300
Fig. 32	M71-18-427	B-427	White	10 to 4	0.750 (19.050)	1.000 (25.400)	0.375 (9.530)	250	M71-R4300
Fig. 32	BM71-18-427	B-427	White	10 to 4	0.750 (19.050)	1.000 (25.400)	0.375 (9.530)	2,500	M71-R4300
Fig. 32	M71-19-427	B-427	White	12 to 10	1.000 (25.400)	1.000 (25.400)	0.375 (9.530)	250	M71-R4300
Fig. 32	BM71-19-427	B-427	White	12 to 10	1.000 (25.400)	1.000 (25.400)	0.375 (9.530)	2,500	M71-R4300
Fig. 32	M71-104-427	B-427	White	12 to 10	1.500 (38.100)	1.000 (25.400)	0.375 (9.530)	250	M71-R4300
Fig. 32	M71-103-427	B-427	White	10 to 4	1.000 (25.400)	1.250 (31.750)	0.500 (12.700)	250	M71-R4300
Fig. 32	M71-28-427	B-427	White	10 to 4	0.250 (6.350)	1.500 (38.100)	0.500 (12.700)	750	M71-R4300
Fig. 32	M71-29-427	B-427	White	10 to 4	0.500 (12.700)	1.500 (38.100)	0.500 (12.700)	500	M71-R4300
Fig. 32	BM71-29-427	B-427	White	10 to 4	0.500 (12.700)	1.500 (38.100)	0.500 (12.700)	5,000	M71-R4300
Fig. 32	M71-30-427	B-427	White	10 to 4	0.750 (19.050)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	BM71-30-427	B-427	White	10 to 4	0.750 (19.050)	1.500 (38.100)	0.500 (12.700)	2,500	M71-R4300
Fig. 32	M71-31-427	B-427	White	10 to 4	1.000 (25.400)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	BM71-31-427	B-427	White	10 to 4	1.000 (25.400)	1.500 (38.100)	0.500 (12.700)	2,500	M71-R4300
Fig. 32	M71-32-427	B-427	White	10 to 4	1.500 (38.100)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	BM71-32-427	B-427	White	10 to 4	1.500 (38.100)	1.500 (38.100)	0.500 (12.700)	1,000	M71-R4300
Fig. 32	M71-88-427	B-427	White	10 to 4	1.750 (44.450)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	M71-107-427	B-427	White	10 to 4	2.000 (50.800)	1.500 (38.100)	0.500 (12.700)	100	M71-R4300
Fig. 32	BM71-107-427	B-427	White	10 to 4	2.000 (50.800)	1.500 (38.100)	0.500 (12.700)	1,000	M71-R4300
Fig. 32	M71-21-427	B-427	White	Cables	1.000 (25.400)	2.500 (63.500)	0.750 (19.050)	100	M71-R4300
Fig. 32	BM71-21-427	B-427	White	Cables	1.000 (25.400)	2.500 (63.500)	0.750 (19.050)	1,000	M71-R4300
Fig. 32	M71-66-427	B-427	White	Cables	1.938 (49.230)	3.150 (80.000)	1.000 (25.400)	100	M71-R4300
Fig. 43	M71-64-427	B-427	White	Cables	1.000 (25.400)	3.375 (85.730)	1.125 (28.580)	100	M71-R4300
Fig. 43	BM71-64-427	B-427	White	Cables	1.000 (25.400)	3.375 (85.730)	1.125 (28.580)	1,000	M71-R4300
Fig. 32	M71-23-427	B-427	White	Cables	1.000 (25.400)	4.000 (101.600)	1.000 (25.400)	100	M71-R4300
Fig. 32	BM71-23-427	B-427	White	Cables	1.000 (25.400)	4.000 (101.600)	1.000 (25.400)	1,000	M71-R4300
Fig. 32	M71-109-427	B-427	White	Cables	1.500 (38.100)	4.000 (101.600)	1.500 (38.100)	100	M71-R4300
Fig. 32	M71-33-427	B-427	White	Cables	1.500 (38.100)	4.000 (101.600)	1.000 (25.400)	100	M71-R4300
Fig. 32	BM71-109-427	B-427	White	Cables	1.500 (38.100)	4.000 (101.600)	1.500 (38.100)	500	M71-R4300
Fig. 32	BM71-33-427	B-427	White	Cables	1.500 (38.100)	4.000 (101.600)	1.000 (25.400)	500	M71-R4300
Fig. 32	M71-34-427	B-427	White	Cables	1.500 (38.100)	6.000 (152.400)	1.500 (38.100)	50	M71-R4300
Fig. 32	BM71-34-427	B-427	White	Cables	1.500 (38.100)	6.000 (152.400)	1.500 (38.100)	500	M71-R4300
Fig. 32	M71-19-427-YL	B-427	Yellow	12 to 10	1.000 (25.400)	1.000 (25.400)	0.375 (9.530)	250	M71-R4300
Fig. 32	M71-31-427-YL	B-427	Yellow	10 to 4	1.000 (25.400)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	M71-32-427-YL	B-427	Yellow	10 to 4	1.500 (38.100)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	M71-21-427-YL	B-427	Yellow	Cables	1.000 (25.400)	2.500 (63.500)	0.750 (19.050)	100	M71-R4300
Fig. 32	M71-33-427-YL	B-427	Yellow	Cables	1.500 (38.100)	4.000 (101.600)	1.000 (25.400)	100	M71-R4300
Fig. 32	M71-30-427-BL	B-427	Blue	10 to 4	0.750 (19.050)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	M71-30-427-PL	B-427	Purple	10 to 4	0.750 (19.050)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	M71-31-427-GN	B-427	Green	10 to 4	1.000 (25.400)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	M71-30-427-RD	B-427	Red	10 to 4	0.750 (19.050)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300
Fig. 32	M71-31-427-RD	B-427	Red	10 to 4	1.000 (25.400)	1.500 (38.100)	0.500 (12.700)	250	M71-R4300

PermaSleeve® PS Polyolefin Wire Markers (B-342)

Military / industrial grade sleeves offer the ultimate in marker durability, permanence and aesthetic appearance. 3:1 heat-shrinkable markers fit snugly around wires, are fade-resistant and flame-retardant. Temp range: -67° F to 275° F (-55° C to 130° C). RoHS compliant and UL recognized.

Meets specifications:

- SAE-AS-23053/5
- SAE-AS-81531

Tested per:

- ASTM E162
- ASTM E662
- MIL-STD-202

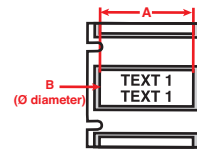


Figure 44

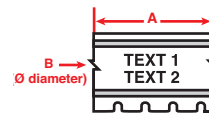


Figure 58



Figure	Catalog #	Color	Approx. Wire Gauge	Wire Diameter Range Inch (mm)	Supplied Diameter B Inch (mm)	Recovered Diameter Inch (mm)	Sleeve Width A Inch (mm)	Sleeves Per Row	Sleeves Per Roll	Rec. Ribbon
1.00 inch sleeve width (dimension A):										
Fig. 44	* BM71-94-1-342	White	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.024 (0.6)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-94-1-342	White	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.024 (0.6)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-125-1-342	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-125-1-342	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-187-1-342	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-187-1-342	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-250-1-342	White	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-250-1-342	White	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-375-1-342	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-375-1-342	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-500-1-342	White	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-500-1-342	White	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* M71-1000-1-342	White	2 to 0.950 dia.	0.333-0.950 (8.5-24.1)	1.000 (25.4)	0.375 (9.5)	1.000 (25.4)	1	50	M71-R4300
Fig. 44	* M71-94-1-342YL	Yellow	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.024 (0.6)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-125-1-342-YL	Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-125-1-342YL	Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-187-1-342YL	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-187-1-342YL	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-250-1-342-YL	Yellow	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-250-1-342YL	Yellow	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-375-1-342-YL	Yellow	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-375-1-342YL	Yellow	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* BM71-500-1-342YL	Yellow	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	1.000 (25.4)	1	1,000	M71-R4300
Fig. 44	* M71-500-1-342YL	Yellow	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	1.000 (25.4)	1	100	M71-R4300
Fig. 44	* M71-1000-1-342YL	Yellow	2 to 0.950 dia.	0.333-0.950 (8.5-24.1)	1.000 (25.4)	0.375 (9.5)	1.000 (25.4)	1	50	M71-R4300
1.75 inch sleeve width (dimension A):										
Fig. 44	* BM71-94-175-342	White	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.024 (0.6)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-94-175-342	White	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.024 (0.6)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-125-175-342	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-125-175-342	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-187-175-342	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-187-175-342	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-250-175-342	White	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-250-175-342	White	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-375-175-342	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-375-175-342	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-500-175-342	White	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-500-175-342	White	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-1000-175-342	White	2 to 0.950 dia.	0.333-0.950 (8.5-24.1)	1.000 (25.4)	0.375 (9.5)	1.750 (44.5)	1	500	M71-R4300
Fig. 44	* M71-1000-175-342	White	2 to 0.950 dia.	0.333-0.950 (8.5-24.1)	1.000 (25.4)	0.375 (9.5)	1.750 (44.5)	1	50	M71-R4300
Fig. 44	* BM71-94-175-342YL	Yellow	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.024 (0.6)	1.750 (44.5)	1	2,500	M71-R4300
Fig. 44	* M71-94-175-342YL	Yellow	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.024 (0.6)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-125-175-342YL	Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-125-175-342YL	Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-187-175-342YL	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-187-175-342YL	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-250-175-342YL	Yellow	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-250-175-342YL	Yellow	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-375-175-342YL	Yellow	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-375-175-342YL	Yellow	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* BM71-500-175-342YL	Yellow	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	1.750 (44.5)	1	1,000	M71-R4300
Fig. 44	* M71-500-175-342YL	Yellow	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	1.750 (44.5)	1	100	M71-R4300
Fig. 44	* M71-1000-175-342YL	Yellow	2 to 0.950 dia.	0.333-0.950 (8.5-24.1)	1.000 (25.4)	0.375 (9.5)	1.750 (44.5)	1	50	M71-R4300
Continuous cut-to-length sleeve width (dimension A):										
Fig. 58	* BM71C-125-342	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	50 ft. (15.2 m)	1 roll (cont.)		M71-R4300
Fig. 58	* BM71C-187-342	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	50 ft. (15.2 m)	1 roll (cont.)		M71-R4300
Fig. 58	* BM71C-250-342	White	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	50 ft. (15.2 m)	1 roll (cont.)		M71-R4300
Fig. 58	* BM71C-375-342	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.1)	50 ft. (15.2 m)	1 roll (cont.)		M71-R4300
Fig. 58	* BM71C-500-342	White	8 to 1	0.187-0.450 (4.8-11.4)	0.500 (12.7)	0.187 (4.7)	50 ft. (15.2 m)	1 roll (cont.)		M71-R4300
Fig. 58	* BM71C-1000-342	White	2 to 0.950 dia.	0.333-0.950 (8.5-24.1)	1.000 (25.4)	0.375 (9.5)	50 ft. (15.2 m)	1 roll (cont.)		M71-R4300

*  **WARNING:** Cancer www.P65Warnings.ca.gov

PermaSleeve® FR Fluid-Resistant Wire Markers (B-344)

3:1 heat-shrinkable wire marking sleeves fit snugly around wires for identification and protection and offer greater resistance to harsh chemicals such as fuels, lubricants and cleaning solvents.
Temp Range: -67° F to 275° F (-55° C to 135° C).

Meets specifications:

- SAE-AMS-DTL23053/6 (Class 1)
- SAE-AS-81531
- MIL-STD-202G, method 215K

Tested per:

- ASTM E162
- ASTM E662
- MIL-STD-202G

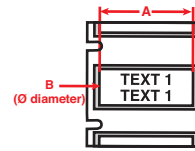


Figure 44



Figure	Catalog #	Color	Approx. Wire Gauge	Wire Diameter Range Inch (mm)	Supplied Diameter B Inch (mm)	Recovered Diameter Inch (mm)	Sleeve Width A Inch (mm)	Sleeves Per Row	Sleeves Per Roll	Rec. Ribbon
1.00 inch sleeve width (dimension A):										
Fig. 44	* BM71-094-1-344	White	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.023 (0.6)	1.000 (25.4)	1	2,500	M71-R6600
Fig. 44	* M71-094-1-344	White	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.023 (0.6)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* M71-125-1-344	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.046 (1.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-125-1-344	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.046 (1.2)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* BM71-187-1-344	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-187-1-344	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-250-1-344	White	16 to 8	0.083-0.215 (2.1-5.5)	0.250 (6.4)	0.083 (2.1)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-250-1-344	White	16 to 8	0.083-0.215 (2.1-5.5)	0.250 (6.4)	0.083 (2.1)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-375-1-344	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.2)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-375-1-344	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* M71-500-1-344	White	8 to 1	0.166-0.450 (4.2-11.4)	0.500 (12.7)	0.166 (4.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-500-1-344	White	8 to 1	0.166-0.450 (4.2-11.4)	0.500 (12.7)	0.166 (4.2)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-750-1-344	White	8 to 1	0.250-0.700 (6.4-17.8)	0.750 (19.1)	0.250 (6.4)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-094-1-344YL	Yellow	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.023 (0.6)	1.000 (25.4)	1	2,500	M71-R6600
Fig. 44	* M71-094-1-344YL	Yellow	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.023 (0.6)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* M71-125-1-344YL	Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.046 (1.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-125-1-344YL	Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.046 (1.2)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-187-1-344YL	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-187-1-344YL	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-250-1-344YL	Yellow	16 to 8	0.083-0.215 (2.1-5.5)	0.250 (6.4)	0.083 (2.1)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-250-1-344YL	Yellow	16 to 8	0.083-0.215 (2.1-5.5)	0.250 (6.4)	0.083 (2.1)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-375-1-344YL	Yellow	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-375-1-344YL	Yellow	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.2)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-500-1-344YL	Yellow	8 to 1	0.166-0.450 (4.2-11.4)	0.500 (12.7)	0.166 (4.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	* BM71-500-1-344YL	Yellow	8 to 1	0.166-0.450 (4.2-11.4)	0.500 (12.7)	0.166 (4.2)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	* M71-750-1-344YL	Yellow	8 to 1	0.250-0.700 (6.4-17.8)	0.750 (19.1)	0.250 (6.4)	1.000 (25.4)	1	100	M71-R6600
1.75 inch sleeve width (dimension A):										
Fig. 44	* M71-094-175-344	White	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.023 (0.6)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-94-175-344	White	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.023 (0.6)	1.750 (44.5)	1	2,500	M71-R6600
Fig. 44	* M71-125-175-344	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.046 (1.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-125-175-344	White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.046 (1.2)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-187-175-344	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-187-175-344	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-250-175-344	White	16 to 8	0.083-0.215 (2.1-5.5)	0.250 (6.4)	0.083 (2.1)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-250-175-344	White	16 to 8	0.083-0.215 (2.1-5.5)	0.250 (6.4)	0.083 (2.1)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-375-175-344	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-375-175-344	White	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.2)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-500-175-344	White	8 to 1	0.166-0.450 (4.2-11.4)	0.500 (12.7)	0.166 (4.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-500-175-344	White	8 to 1	0.166-0.450 (4.2-11.4)	0.500 (12.7)	0.166 (4.2)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-750-175-344	White	8 to 1	0.250-0.700 (6.4-17.8)	0.750 (19.1)	0.250 (6.4)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* M71-094-175-344YL	Yellow	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.023 (0.6)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-94-175-344YL	Yellow	28 to 20	0.023-0.080 (0.6-2.0)	0.094 (2.4)	0.023 (0.6)	1.750 (44.5)	1	2,500	M71-R6600
Fig. 44	* M71-125-175-344YL	Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.046 (1.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-125-175-344YL	Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.046 (1.2)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-187-175-344YL	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-187-175-344YL	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-250-175-344YL	Yellow	16 to 8	0.083-0.215 (2.1-5.5)	0.250 (6.4)	0.083 (2.1)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-250-175-344YL	Yellow	16 to 8	0.083-0.215 (2.1-5.5)	0.250 (6.4)	0.083 (2.1)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-375-175-344YL	Yellow	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-375-175-344YL	Yellow	12 to 4	0.125-0.320 (3.2-8.1)	0.375 (9.5)	0.125 (3.2)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-500-175-344YL	Yellow	8 to 1	0.166-0.450 (4.2-11.4)	0.500 (12.7)	0.166 (4.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	* BM71-500-175-344YL	Yellow	8 to 1	0.166-0.450 (4.2-11.4)	0.500 (12.7)	0.166 (4.2)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	* M71-750-175-344YL	Yellow	8 to 1	0.250-0.700 (6.4-17.8)	0.750 (19.1)	0.250 (6.4)	1.750 (44.5)	1	100	M71-R6600

* **WARNING:** Cancer www.P65Warnings.ca.gov

PermaSleeve® LSZH Low-Smoke Zero-Halogen Polyolefin Wire Markers (B-7641)

2:1 heat-shrinkable, low halogen wire marking sleeves offer outstanding fire safety properties and minimal smoke emission. These low-smoke zero-halogen materials have an operating temperature of -22° F to 221° F (-30° C to 105° C).

Meets specifications:

- SAE-AS-81531
- EN45545-2
- RoHS compliant

Tested per:

- ASTM E162
- ASTM E662
- MIL-STD-202

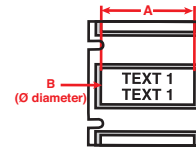


Figure 44



Figure	Catalog #	Color	Approx. Wire Gauge	Wire Diameter Range Inch (mm)	Supplied Diameter B Inch (mm)	Recovered Diameter Inch (mm)	Sleeve Width A Inch (mm)	Sleeves Per Row	Sleeves Per Roll	Rec. Ribbon
1.00 inch sleeve width (dimension A):										
Fig. 44	M71-94-1-7641	White	28 to 20	0.047-0.080 (1.2-2.0)	0.094 (2.4)	0.047 (1.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-94-1-7641	White	28 to 20	0.047-0.080 (1.2-2.0)	0.094 (2.4)	0.047 (1.2)	1.000 (25.4)	1	2,500	M71-R6600
Fig. 44	M71-125-1-7641	White	22 to 16	0.062-0.150 (1.6-3.8)	0.125 (3.2)	0.062 (1.6)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-125-1-7641	White	22 to 16	0.062-0.150 (1.6-3.8)	0.125 (3.2)	0.062 (1.6)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	BM71-187-1-7641	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	M71-187-1-7641	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	M71-250-1-7641	White	16 to 8	0.125-0.215 (3.2-5.5)	0.250 (6.4)	0.125 (3.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-250-1-7641	White	16 to 8	0.125-0.215 (3.2-5.5)	0.250 (6.4)	0.125 (3.2)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	M71-375-1-7641	White	12 to 4	0.188-0.320 (4.8-8.1)	0.375 (9.5)	0.188 (4.8)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-375-1-7641	White	12 to 4	0.188-0.320 (4.8-8.1)	0.375 (9.5)	0.188 (4.8)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	M71-500-1-7641	White	8 to 1	0.250-0.450 (6.4-11.4)	0.500 (12.7)	0.250 (6.4)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-500-1-7641	White	8 to 1	0.250-0.450 (6.4-11.4)	0.500 (12.7)	0.250 (6.4)	1.000 (25.4)	1	600	M71-R6600
Fig. 44	M71-750-1-7641	White	8 to 1	0.375-0.700 (9.5-17.8)	0.750 (19.1)	0.375 (9.5)	1.000 (25.4)	1	75	M71-R6600
Fig. 44	BM71-750-1-7641	White	8 to 1	0.375-0.700 (9.5-17.8)	0.750 (19.1)	0.375 (9.5)	1.000 (25.4)	1	600	M71-R6600
Fig. 44	M71-94-1-7641Y	Yellow	28 to 20	0.047-0.080 (1.2-2.0)	0.094 (2.4)	0.047 (1.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-94-1-7641Y	Yellow	28 to 20	0.047-0.080 (1.2-2.0)	0.094 (2.4)	0.047 (1.2)	1.000 (25.4)	1	2,500	M71-R6600
Fig. 44	M71-125-1-7641Y	Yellow	22 to 16	0.062-0.150 (1.6-3.8)	0.125 (3.2)	0.062 (1.6)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-125-1-7641Y	Yellow	22 to 16	0.062-0.150 (1.6-3.8)	0.125 (3.2)	0.062 (1.6)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	BM71-187-1-7641Y	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	M71-187-1-7641Y	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	M71-250-1-7641Y	Yellow	16 to 8	0.125-0.215 (3.2-5.5)	0.250 (6.4)	0.125 (3.2)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-250-1-7641Y	Yellow	16 to 8	0.125-0.215 (3.2-5.5)	0.250 (6.4)	0.125 (3.2)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	M71-375-1-7641Y	Yellow	12 to 4	0.188-0.320 (4.8-8.1)	0.375 (9.5)	0.188 (4.8)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-375-1-7641Y	Yellow	12 to 4	0.188-0.320 (4.8-8.1)	0.375 (9.5)	0.188 (4.8)	1.000 (25.4)	1	1,000	M71-R6600
Fig. 44	M71-500-1-7641Y	Yellow	8 to 1	0.250-0.450 (6.4-11.4)	0.500 (12.7)	0.250 (6.4)	1.000 (25.4)	1	100	M71-R6600
Fig. 44	BM71-500-1-7641Y	Yellow	8 to 1	0.250-0.450 (6.4-11.4)	0.500 (12.7)	0.250 (6.4)	1.000 (25.4)	1	600	M71-R6600
Fig. 44	M71-750-1-7641Y	Yellow	8 to 1	0.375-0.700 (9.5-17.8)	0.750 (19.1)	0.375 (9.5)	1.000 (25.4)	1	75	M71-R6600
Fig. 44	BM71-750-1-7641Y	Yellow	8 to 1	0.375-0.700 (9.5-17.8)	0.750 (19.1)	0.375 (9.5)	1.000 (25.4)	1	600	M71-R6600
1.75 inch sleeve width (dimension A):										
Fig. 44	M71-94-175-7641	White	28 to 20	0.047-0.080 (1.2-2.0)	0.094 (2.4)	0.047 (1.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-94-175-7641	White	28 to 20	0.047-0.080 (1.2-2.0)	0.094 (2.4)	0.047 (1.2)	1.750 (44.5)	1	2,500	M71-R6600
Fig. 44	M71-125-175-7641	White	22 to 16	0.062-0.150 (1.6-3.8)	0.125 (3.2)	0.062 (1.6)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-125-175-7641	White	22 to 16	0.062-0.150 (1.6-3.8)	0.125 (3.2)	0.062 (1.6)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	M71-187-175-7641	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-187-175-7641	White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	M71-250-175-7641	White	16 to 8	0.125-0.215 (3.2-5.5)	0.250 (6.4)	0.125 (3.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-250-175-7641	White	16 to 8	0.125-0.215 (3.2-5.5)	0.250 (6.4)	0.125 (3.2)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	M71-375-175-7641	White	12 to 4	0.188-0.320 (4.8-8.1)	0.375 (9.5)	0.188 (4.8)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-375-175-7641	White	12 to 4	0.188-0.320 (4.8-8.1)	0.375 (9.5)	0.188 (4.8)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	M71-500-175-7641	White	8 to 1	0.250-0.450 (6.4-11.4)	0.500 (12.7)	0.250 (6.4)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-500-175-7641	White	8 to 1	0.250-0.450 (6.4-11.4)	0.500 (12.7)	0.250 (6.4)	1.750 (44.5)	1	600	M71-R6600
Fig. 44	M71-750-175-7641	White	8 to 1	0.375-0.700 (9.5-17.8)	0.750 (19.1)	0.375 (9.5)	1.750 (44.5)	1	75	M71-R6600
Fig. 44	BM71-750-175-7641	White	8 to 1	0.375-0.700 (9.5-17.8)	0.750 (19.1)	0.375 (9.5)	1.750 (44.5)	1	600	M71-R6600
Fig. 44	M71-94-175-7641Y	Yellow	28 to 20	0.047-0.080 (1.2-2.0)	0.094 (2.4)	0.047 (1.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-94-175-7641Y	Yellow	28 to 20	0.047-0.080 (1.2-2.0)	0.094 (2.4)	0.047 (1.2)	1.750 (44.5)	1	2,500	M71-R6600
Fig. 44	M71-125-175-7641Y	Yellow	22 to 16	0.062-0.150 (1.6-3.8)	0.125 (3.2)	0.062 (1.6)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-125-175-7641Y	Yellow	22 to 16	0.062-0.150 (1.6-3.8)	0.125 (3.2)	0.062 (1.6)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	M71-187-175-7641Y	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-187-175-7641Y	Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.8)	0.062 (1.6)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	M71-250-175-7641Y	Yellow	16 to 8	0.125-0.215 (3.2-5.5)	0.250 (6.4)	0.125 (3.2)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-250-175-7641Y	Yellow	16 to 8	0.125-0.215 (3.2-5.5)	0.250 (6.4)	0.125 (3.2)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	M71-375-175-7641Y	Yellow	12 to 4	0.188-0.320 (4.8-8.1)	0.375 (9.5)	0.188 (4.8)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-375-175-7641Y	Yellow	12 to 4	0.188-0.320 (4.8-8.1)	0.375 (9.5)	0.188 (4.8)	1.750 (44.5)	1	1,000	M71-R6600
Fig. 44	M71-500-175-7641Y	Yellow	8 to 1	0.250-0.450 (6.4-11.4)	0.500 (12.7)	0.250 (6.4)	1.750 (44.5)	1	100	M71-R6600
Fig. 44	BM71-500-175-7641Y	Yellow	8 to 1	0.250-0.450 (6.4-11.4)	0.500 (12.7)	0.250 (6.4)	1.750 (44.5)	1	600	M71-R6600
Fig. 44	M71-750-175-7641Y	Yellow	8 to 1	0.375-0.700 (9.5-17.8)	0.750 (19.1)	0.375 (9.5)	1.750 (44.5)	1	75	M71-R6600
Fig. 44	BM71-750-175-7641Y	Yellow	8 to 1	0.375-0.700 (9.5-17.8)	0.750 (19.1)	0.375 (9.5)	1.750 (44.5)	1	600	M71-R6600

Component ID Labels (B-423 and B-428)

Various materials for relays, solenoids, PCBs, electronic components and more.

- **B-423 Polyester Material:** White glossy polyester
- **B-428 Polyester Material:** Metallized matte polyester

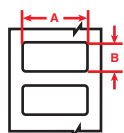


Figure 2



Figure 33

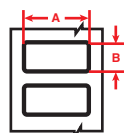


Figure 46
w/ black border



Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-423 Permanent Polyester Material								
Fig. 2	M71-1-423	B-423	Polyester	White	0.250 (6.35)	0.250 (6.4)	750	M71-R6000
Fig. 2	M71-3-423	B-423	Polyester	White	0.375 (9.53)	0.375 (9.5)	500	M71-R6000
Fig. 2	M71-4-423	B-423	Polyester	White	0.400 (10.2)	0.400 (10.2)	500	M71-R6000
Fig. 33	M71C-500-423	B-423	Polyester	White	0.500 (12.7)	50 ft. (15.24 m)	1 roll (cont.)	M71-R6000
Fig. 2	M71-5-423	B-423	Polyester	White	0.500 (12.7)	0.200 (5.1)	750	M71-R6000
Fig. 2	M71-6-423	B-423	Polyester	White	0.500 (12.7)	0.280 (7.0)	750	M71-R6000
Fig. 2	BM71-7-423	B-423	Polyester	White	0.500 (12.7)	0.500 (12.7)	5,000	M71-R6000
Fig. 2	M71-7-423	B-423	Polyester	White	0.500 (12.7)	0.500 (12.7)	500	M71-R6000
Fig. 2	M71-9-423	B-423	Polyester	White	0.650 (16.5)	0.200 (5.1)	750	M71-R6000
Fig. 2	M71-10-423	B-423	Polyester	White	0.750 (19.0)	0.250 (6.4)	750	M71-R6000
Fig. 2	M71-13-423	B-423	Polyester	White	0.900 (22.8)	0.250 (6.4)	750	M71-R6000
Fig. 2	M71-14-423	B-423	Polyester	White	1.000 (25.4)	0.187 (4.8)	750	M71-R6000
Fig. 2	M71-15-423	B-423	Polyester	White	1.000 (25.4)	0.275 (7.0)	750	M71-R6000
Fig. 2	BM71-16-423	B-423	Polyester	White	1.000 (25.4)	0.375 (9.53)	5000	M71-R6000
Fig. 2	M71-16-423	B-423	Polyester	White	1.000 (25.4)	0.375 (9.53)	500	M71-R6000
Fig. 2	BM71-17-423	B-423	Polyester	White	1.000 (25.4)	0.500 (12.7)	5,000	M71-R6000
Fig. 2	M71-17-423	B-423	Polyester	White	1.000 (25.4)	0.500 (12.7)	500	M71-R6000
Fig. 2	BM71-19-423	B-423	Polyester	White	1.000 (25.4)	1.000 (25.4)	2,500	M71-R6000
Fig. 2	M71-19-423	B-423	Polyester	White	1.000 (25.4)	1.000 (25.4)	250	M71-R6000
Fig. 46	M71-24-423-BK	B-423	Polyester	Black Border	1.130 (28.7)	0.500 (12.7)	500	M71-R6000
Fig. 2	M71-25-423	B-423	Polyester	White	1.250 (31.8)	0.250 (6.4)	750	M71-R6000
Fig. 2	M71-27-423	B-423	Polyester	White	1.500 (38.1)	0.125 (3.2)	750	M71-R6000
Fig. 2	M71-28-423	B-423	Polyester	White	1.500 (38.1)	0.250 (6.4)	750	M71-R6000
Fig. 2	BM71-29-423	B-423	Polyester	White	1.500 (38.1)	0.500 (12.7)	5,000	M71-R6000
Fig. 2	M71-29-423	B-423	Polyester	White	1.500 (38.1)	0.500 (12.7)	500	M71-R6000
Fig. 2	M71-31-423	B-423	Polyester	White	1.500 (38.1)	1.000 (25.4)	250	M71-R6000
Fig. 2	M71-32-423	B-423	Polyester	White	1.500 (38.1)	1.500 (38.1)	250	M71-R6000
Fig. 2	M71-2-423	B-423	Polyester	White	2.000 (50.8)	0.250 (6.4)	100	M71-R6000
Fig. 2	BM71-20-423	B-423	Polyester	White	2.000 (50.8)	1.000 (25.4)	1,000	M71-R6000
Fig. 2	M71-20-423	B-423	Polyester	White	2.000 (50.8)	1.000 (25.4)	100	M71-R6000
Fig. 2	M71-26-423	B-423	Polyester	White	2.750 (69.9)	1.250 (31.8)	100	M71-R6000
Fig. 2	M71-22-423	B-423	Polyester	White	3.000 (76.2)	1.000 (25.4)	100	M71-R6000
Fig. 2	M71-37-423	B-423	Polyester	White	3.000 (76.2)	1.900 (48.3)	100	M71-R6000
Fig. 2	M71-23-423	B-423	Polyester	White	4.000 (101.6)	1.000 (25.4)	100	M71-R6000
Fig. 2	M71-38-423	B-423	Polyester	White	4.000 (101.6)	1.900 (48.3)	100	M71-R6000
B-428 Metallized Polyester Material								
Fig. 2	M71-15-428	B-428	Polyester	Lt Gray	1.000 (25.4)	0.275 (7.0)	750	M71-R4300
Fig. 2	BM71-17-428	B-428	Polyester	Lt Gray	1.000 (25.4)	0.500 (12.7)	5,000	M71-R4300
Fig. 2	M71-17-428	B-428	Polyester	Lt Gray	1.000 (25.4)	0.500 (12.7)	500	M71-R4300
Fig. 2	M71-29-428	B-428	Polyester	Lt Gray	1.500 (38.1)	0.500 (12.7)	500	M71-R4300
Fig. 2	BM71-20-428	B-428	Polyester	Lt Gray	2.000 (50.8)	1.000 (25.4)	1,000	M71-R4300
Fig. 2	M71-20-428	B-428	Polyester	Lt Gray	2.000 (50.8)	1.000 (25.4)	100	M71-R4300
Fig. 2	M71-26-428	B-428	Polyester	Lt Gray	2.750 (69.9)	1.250 (31.8)	100	M71-R4300
Fig. 2	M71-22-428	B-428	Polyester	Lt Gray	3.000 (76.2)	1.000 (25.4)	100	M71-R4300
Fig. 2	M71-38-428	B-428	Polyester	Lt Gray	4.000 (101.6)	1.900 (48.3)	100	M71-R4300

Polyimide Circuit Board Labels (B-724 and B-727)

Various materials for PCBs, electronic components and more.

- **B-724 Polyimide Material:** Amber matte polyimide with permanent adhesive; can survive on the top or bottom side of PCBs through the solder process
- **B-727 Polyimide Material:** White glossy polyimide with permanent adhesive; can survive through the solder process

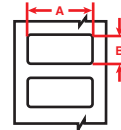


Figure 2



Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-724 Matte Polyimide Material								
Fig. 2	M71-9-724	B-724	Polyimide	Amber	0.650 (16.5)	0.200 (5.1)	750	M71-R4300
Fig. 2	M71-13-724	B-724	Polyimide	Amber	0.900 (22.9)	0.250 (6.4)	750	M71-R4300
Fig. 2	M71-16-724	B-724	Polyimide	Amber	1.000 (25.4)	0.375 (9.5)	500	M71-R4300
Fig. 2	M71-17-724	B-724	Polyimide	Amber	1.000 (25.4)	0.500 (12.7)	500	M71-R4300
Fig. 2	M71-28-724	B-724	Polyimide	Amber	1.500 (38.1)	0.250 (6.4)	750	M71-R4300
B-727 Glossy Polyimide Material								
Fig. 2	M71-10-727	B-727	Polyimide	White	0.750 (19.1)	0.250 (6.4)	750	M71-R6000
Fig. 2	M71-16-727	B-727	Polyimide	White	1.000 (25.4)	0.375 (9.5)	500	M71-R6000

Electrostatic Dissipative Labels (B-473, B-717 and B-718)

Low-profile polyimide and polyester materials that have static dissipative properties. Primarily used for circuit board and electronic component labeling.

- **B-473 Electrostatic Dissipative Polyester Material:** White glossy polyester with a permanent static dissipative adhesive and liner
- **B-717 Electrostatic Dissipative Polyimide Material:** High-temperature white glossy polyimide material (2 mil) with a permanent static dissipative adhesive and liner for PCB identification
- **B-718 Electrostatic Dissipative Polyimide Material:** High-temperature low-profile white glossy polyimide material (1 mil) with a permanent static dissipative adhesive and liner for PCB identification

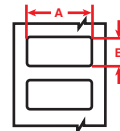


Figure 2



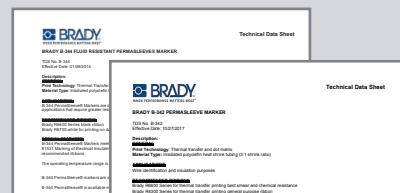
Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-473 Glossy White Polyester								
Fig. 2	* M71-6-473	B-473	Polyester	White	0.500 (12.7)	0.275 (7.0)	750	M71-R6000
Fig. 2	* M71-9-473	B-473	Polyester	White	0.650 (16.5)	0.200 (5.1)	750	M71-R6000
Fig. 2	* M71-10-473	B-473	Polyester	White	0.750 (19.1)	0.250 (6.4)	750	M71-R6000
Fig. 2	* M71-16-473	B-473	Polyester	White	1.000 (25.4)	0.375 (9.5)	500	M71-R6000
Fig. 2	* M71-17-473	B-473	Polyester	White	1.000 (25.4)	0.500 (12.7)	500	M71-R6000
Fig. 2	* M71-28-473	B-473	Polyester	White	1.500 (38.1)	0.250 (6.4)	750	M71-R6000
B-717 Glossy White Static Dissipative Polyimide								
Fig. 2	* M71-14-717	B-717	Polyimide	White	1.000 (25.4)	0.187 (4.8)	750	M71-R6000
Fig. 2	* M71-2-717	B-717	Polyimide	White	2.000 (50.8)	0.250 (6.4)	100	M71-R6000
B-718 Glossy White Low Profile Static Dissipative Polyimide								
Fig. 2	* M71-4-718	B-718	Polyimide	White	0.400 (10.2)	0.400 (10.2)	500	M71-R6000
Fig. 2	* M71-9-718	B-718	Polyimide	White	0.650 (16.5)	0.200 (5.1)	750	M71-R6000
Fig. 2	* M71-25-718	B-718	Polyimide	White	1.250 (31.8)	0.250 (6.4)	750	M71-R6000

* **WARNING:** Cancer www.P65Warnings.ca.gov

Technical Data Sheets

Technical Data Sheets for all Brady materials are available online at

BradyID.com/TechData



Tamper-Indicating Labels (B-351, B-362 and B-530)

Labels fracture to show signs of product tampering and prevent one-piece label removal. Use caution when removing from liner as material is fragile.

- **B-351 Destructible Vinyl Material:** Matte white material with permanent adhesive
- **B-362 Destructible Vinyl Material:** Metallized vinyl material with permanent adhesive has great fuel and oil resistance
- **B-530 Tamper-Resistant Vinyl Material:** White material with permanent adhesive

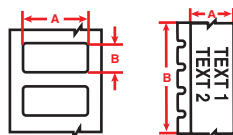


Figure 2 Figure 33



Figure	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll	Rec. Ribbon
B-351 Destructible Vinyl Labels								
Fig. 2	M71-17-351	B-351	Vinyl	White	1.000 (25.4)	0.500 (12.7)	500	M71-R6200
Fig. 2	M71-31-351	B-351	Vinyl	White	1.500 (38.1)	1.000 (25.4)	250	M71-R6200
Fig. 2	M71-20-351	B-351	Vinyl	White	2.000 (50.8)	1.000 (25.4)	100	M71-R6200
Fig. 2	M71-37-351	B-351	Vinyl	White	3.000 (76.2)	1.900 (48.3)	100	M71-R6200
B-362 Destructible Vinyl Labels								
Fig. 2	* M71-17-362	B-362	Vinyl	Silver	1.000 (25.4)	0.500 (12.7)	500	M71-R6000
Fig. 2	* M71-31-362	B-362	Vinyl	Silver	1.500 (38.1)	1.000 (25.4)	250	M71-R6000
Fig. 2	* M71-20-362	B-362	Vinyl	Silver	2.000 (50.8)	1.000 (25.4)	100	M71-R6000
Fig. 2	* M71-37-362	B-362	Vinyl	Silver	3.000 (76.2)	1.900 (48.3)	100	M71-R6000
B-530 Tamper-Resistant Vinyl Film								
Fig. 33	M71C-500-530	B-530	Vinyl	White	0.500 (12.7)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000
Fig. 33	M71C-1000-530	B-530	Vinyl	White	1.000 (25.4)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000
Fig. 33	M71C-2000-530	B-530	Vinyl	White	2.000 (50.8)	50 ft. (15.2 m)	1 roll (cont.)	M71-R6000

* ⚠ **WARNING:** Cancer www.P65Warnings.ca.gov



BMP71 Print Ribbon

Self-contained ribbon cartridges snap right into the BMP71 printer with ease and do not unravel or roll away when outside the printer.

Using the correct material and ribbon pair is critical in creating durable, long-lasting and smear-proof print. Use the ribbon compatibility guide on the next page to help determine which ribbon is best suited for your label material.

Catalog #	Color	Ribbon Size
M71-R4300	Black	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6000	Black	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6200	Black	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6400	Black	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6600	Black	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R4400-WT	White	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6800-WT	White	2.0 in. x 120 ft. (50.8mm x 36.6 m)
M71-R6900-RD	Red	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6900-GN	Green	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6900-BL	Blue	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6900-MA	Magenta	2.0 in. x 150 ft. (50.8mm x 45.7 m)
M71-R6900-YL	Yellow	2.0 in. x 150 ft. (50.8mm x 45.7 m)

How many labels can be printed per ribbon?

Have you ever wondered approximately how many labels you can print from one ribbon? Try this formula:

Note: Our standard BMP71 ribbons are 1,800 in. (150 ft.) long.

Step 1: label height + 0.10 = X

Step 2: 1,800 inches ÷ X = total labels per ribbon

Example: M71-31-362 is a 1.0 inch tall label
 1.0 inch label height + 0.10 = 1.10
 1,800 inches ÷ 1.10 = 1,636 labels per ribbon

Material and Ribbon Compatibility

B-# Material		M71-R4300 (Black)	M71-R6000 (Black)	M71-R6200 (Black)	M71-R6400 (Black)	M71-R6600 (Black)	M71-R4400-WT (White)	M71-R6800-WT (White)	M71-R6900 (Colors)
B-109	Polyethylene tags	●		▲					
B-145	Polyethylene tags		●	▲			▲		
B-145FR	Polyethylene tags		●	▲			▲		▲
B-321*	Polyolefin			●					
B-342	Polyolefin	●				▲			
B-344	Fluid-resistant polyolefin		▲			●			
B-345*	High-temp polyolefin		▲			●		▲	
B-351	Destructible vinyl		▲	●					▲
B-362	Destructible vinyl		●						▲
B-353*	Paper	●							
B-390*	Durasleeve polypropylene		●						▲
B-403	Dissolvable paper	●							
B-412	Polypropylene tags	▲		●					
B-422	Polyester		● UL						▲
B-423	Polyester		● UL	▲					▲
B-424	Paper	●							▲
B-425	Polypropylene	●		▲					
B-427	Vinyl	● UL		▲					
B-428	Polyester	● UL		▲					
B-430	Polyester		● UL	▲			▲		▲
B-432*	Polyester		● UL				▲		▲
B-433*	Polyester		● UL				▲		▲
B-435*	Polyester		● UL				▲		▲
B-437	Polyvinylfluoride	●							
B-439*	Vinyl		●	▲			▲		▲
B-459	Polyester		● UL						
B-472	Polyimide	●		▲					
B-473	Polyester		● UL						
B-483	Polyester		● UL						▲
B-486	Polyester	● UL		▲					
B-488	Polyester	● UL		▲					
B-489	Polyester	● UL		▲					
B-495*	Polyethylene naphthalate		● UL				▲		▲
B-498	Vinyl cloth	▲	▲	●					
B-499	Nylon cloth	● UL	▲	▲					▲
B-529	Polypropylene		●						▲
B-530	Tamper-resistant vinyl		●						▲
B-581	Vinyl		●						▲
B-582	Phosphorescent		●				▲		▲
B-584	Reflective		●				▲		▲
B-593	Polyester		●				▲		▲
B-595	Vinyl		●				▲		▲
B-717	Polyimide		● UL						
B-718	Polyimide		● UL						
B-719*	Polyimide		● UL						
B-724	Polyimide	●							
B-727	Polyimide		● UL						
B-854	ToughWash® metal detectable		●						
B-855	ToughWash® material		●						
B-7531*	Metallized polyester	●							
B-7536*	Polyester			●					
B-7546*	Void footprint polyester		● UL				▲		▲
B-7551*	Polyester			●					
B-7566*	Void footprint polyester		●				▲		▲
B-7576*	Void footprint polyester	● UL							
B-7593*	Polyethylene		●				▲		▲
B-7596*	Vinyl			●					
B-7597*	Polyethylene	●							
B-7599*	Polyethylene tag	●							
B-7641	Low-smoke zero-halogen polyolefin		▲			●			
B-7643*	Thermoplastic polyether polyurethane	●				▲		▲	
B-7696*	Vinyl tag		●				▲		▲
B-8425*	Polypropylene		● UL						▲

View BradyID.com/techdata for TDS sheets on ribbon performance specifications.

*This BMP®61 material also works in the BMP71 printer with media adapter.

● Recommended ribbon ▲ Acceptable ribbon
UL These materials are UL recognized with its respective ribbon.



The IDXPERT printer has been discontinued, but for a limited time Brady will continue to stock the following labels for the printer.

General ID, 5S Lean, Facility and Safety ID (B-422, B-428, B-483, B-499 and B-595)

- **B-422 Polyester Material:** Permanent adhesive, good for powder-coated and textured surfaces. Best on flat surfaces. Temp. range: -40° F to 212° F (-40° C to 100° C). UL recognized.
- **B-428 Metallized Polyester Material:** Permanent adhesive, silver finish. Temp. range: -40° F to 176° F (-40° C to 80° C). UL recognized
- **B-483 Polyester Material:** Permanent adhesive for powder-coated and textured surfaces. Best on flat surfaces. Temp. range: -40° F to 248° F (-40° C to 120° C). UL recognized
- **B-499 Nylon Cloth Material:** Permanent adhesive. Pliable for rough or smooth surfaces. Temp. range: -94° F to 194° F (-70° C to 90° C). UL recognized
- **B-595 Indoor / Outdoor Vinyl Material:** Permanent adhesive, very pliable, good for rough surfaces and outdoor use. Temp. range: -40° F to 180° F (-40° C to 82° C). UL recognized

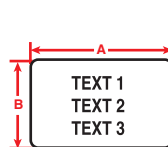


Figure 29



Figure 33

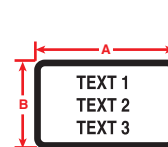


Figure 46
(Includes black border)

Diagram	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll
B-422 Polyester Labels							
Fig. 29	X-7-422	B-422	Polyester	Black on White	0.500 (12.7)	0.500 (12.7)	350
Fig. 29	X-19-422	B-422	Polyester	Black on White	1.000 (25.4)	1.000 (25.4)	250
Fig. 29	X-132-422	B-422	Polyester	Black on White	1.500 (38.1)	1.250 (31.8)	250
Fig. 29	X-30-422	B-422	Polyester	Black on White	1.500 (38.1)	0.750 (19.1)	250
B-428 Metallized Polyester Labels							
Fig. 29	X-17-428-SV-BK	B-428	Polyester	Light Gray	1.000 (25.4)	0.500 (12.7)	500
Fig. 46	X-24-428-SVBB-BK	B-428	Polyester	Light Gray	1.130 (28.7)	0.500 (12.7)	500
Fig. 29	X-29-428-SV-BK	B-428	Polyester	Light Gray	1.500 (38.1)	0.500 (12.7)	500
Fig. 29	X-30-428-SV-BK	B-428	Polyester	Light Gray	1.500 (38.1)	0.750 (19.1)	325
Fig. 29	X-20-428-SV-BK	B-428	Polyester	Light Gray	2.000 (50.8)	1.000 (25.4)	100
B-483 Polyester Labels							
Fig. 29	X-17-483	B-483	Polyester	Black on White	1.000 (25.4)	0.500 (12.7)	500
Fig. 29	X-20-483	B-483	Polyester	Black on White	2.000 (50.8)	1.000 (25.4)	100
Fig. 29	X-61-483	B-483	Polyester	Black on White	2.000 (50.8)	0.500 (12.7)	100
B-499 Nylon Cloth Labels							
Fig. 29	X-130-499	B-499	Nylon Cloth	Black on White	0.375 (9.5)	0.750 (19.1)	300
Fig. 33	XC-375-499	B-499	Nylon Cloth	Black on White	0.375 (9.5)	20 ft. (6.1 m)	1 roll (cont.)
Fig. 33	XC-500-499	B-499	Nylon Cloth	Black on White	0.500 (12.7)	20 ft. (6.1 m)	1 roll (cont.)
Fig. 29	X-11-499	B-499	Nylon Cloth	Black on White	0.750 (19.1)	0.500 (12.7)	275
Fig. 33	XC-750-499	B-499	Nylon Cloth	Black on White	0.750 (19.1)	20 ft. (6.1 m)	1 roll (cont.)
Fig. 29	X-84-499	B-499	Nylon Cloth	Black on White	0.900 (22.9)	0.500 (12.7)	250
Fig. 33	XC-1000-499	B-499	Nylon Cloth	Black on White	1.000 (25.4)	20 ft. (6.1 m)	1 roll (cont.)
Fig. 29	X-162-499	B-499	Nylon Cloth	Black on White	1.500 (38.1)	0.500 (12.7)	165

General ID labels continued on next page.

General ID, 5S Lean, Facility and Safety ID (continued)



Figure 33



Diagram	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Roll Length B Feet (m)	Labels Per Roll
B-595 Indoor / Outdoor Vinyl Film							
Fig. 33	XC-500-595-CL-BK	B-595	Vinyl	Black on Clear	0.500 (12.7)	25 (7.6)	1 roll (cont.)
Fig. 33	XC-750-595-CL-BK	B-595	Vinyl	Black on Clear	0.750 (19.1)	25 (7.6)	1 roll (cont.)
Fig. 33	XC-1000-595-CL-BK	B-595	Vinyl	Black on Clear	1.000 (25.4)	25 (7.6)	1 roll (cont.)
Fig. 33	XC-1500-595-CL-BK	B-595	Vinyl	Black on Clear	1.500 (38.1)	25 (7.6)	1 roll (cont.)
Fig. 33	XC-500-595-OR-BK	B-595	Vinyl	Black on Orange	0.500 (12.7)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-750-595-OR-BK	B-595	Vinyl	Black on Orange	0.750 (19.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1000-595-OR-BK	B-595	Vinyl	Black on Orange	1.000 (25.4)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1500-595-OR-BK	B-595	Vinyl	Black on Orange	1.500 (38.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-500-595-WT-BK	B-595	Vinyl	Black on White	0.500 (12.7)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-750-595-WT-BK	B-595	Vinyl	Black on White	0.750 (19.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1000-595-WT-BK	B-595	Vinyl	Black on White	1.000 (25.4)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1500-595-WT-BK	B-595	Vinyl	Black on White	1.500 (38.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-500-595-YL-BK	B-595	Vinyl	Black on Yellow	0.500 (12.7)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-750-595-YL-BK	B-595	Vinyl	Black on Yellow	0.750 (19.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1000-595-YL-BK	B-595	Vinyl	Black on Yellow	1.000 (25.4)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1500-595-YL-BK	B-595	Vinyl	Black on Yellow	1.500 (38.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-500-595-WT-RD	B-595	Vinyl	Red on White	0.500 (12.7)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-750-595-WT-RD	B-595	Vinyl	Red on White	0.750 (19.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1000-595-WT-RD	B-595	Vinyl	Red on White	1.000 (25.4)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1500-595-WT-RD	B-595	Vinyl	Red on White	1.500 (38.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-500-595-BL-WT	B-595	Vinyl	White on Blue	0.500 (12.7)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-750-595-BL-WT	B-595	Vinyl	White on Blue	0.750 (19.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1000-595-BL-WT	B-595	Vinyl	White on Blue	1.000 (25.4)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1500-595-BL-WT	B-595	Vinyl	White on Blue	1.500 (38.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-500-595-GN-WT	B-595	Vinyl	White on Green	0.500 (12.7)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-750-595-GN-WT	B-595	Vinyl	White on Green	0.750 (19.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1000-595-GN-WT	B-595	Vinyl	White on Green	1.000 (25.4)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1500-595-GN-WT	B-595	Vinyl	White on Green	1.500 (38.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-500-595-RD-WT	B-595	Vinyl	White on Red	0.500 (12.7)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-750-595-RD-WT	B-595	Vinyl	White on Red	0.750 (19.1)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1000-595-RD-WT	B-595	Vinyl	White on Red	1.000 (25.4)	30 (9.1)	1 roll (cont.)
Fig. 33	XC-1500-595-RD-WT	B-595	Vinyl	White on Red	1.500 (38.1)	30 (9.1)	1 roll (cont.)

PermaSleeve® PS Polyolefin Wire Markers (B-342)

3:1 heat-shrinkable sleeves fit snugly around wire for identification and protection. Fade resistant and flame retardant.

• Meets specifications:

SAE-AMS-DTL-23053/5 (Class 1)
SAE-AS-81531
MIL-STD-202
RoHS compliant
UL recognized

• Tested per:

ASTM E162 and
ASTM E662

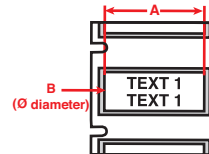


Figure 44

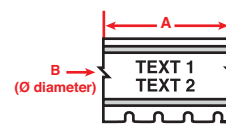


Figure 58



Diagram	Catalog #	B#	Color	Approx. Wire Gauge	Range of Wire Dia. Inch (mm)	Supplied Diameter B Inch (mm)	Recovered Diameter Inch (mm)	Sleeve Width A Inch (mm)	Sleeves Per Roll
B-342 Die Cut Sleeves									
Fig. 44	* XPS-125-1	B-342	Black on White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	1.015 (25.8)	100
Fig. 44	* XPS-187-1	B-342	Black on White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	1.015 (25.8)	100
Fig. 44	* XPS-250-1	B-342	Black on White	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	1.015 (25.8)	100
Fig. 44	* XPS-375-1	B-342	Black on White	12 to 4	0.125-0.320 (3.2-8.13)	0.375 (9.5)	0.125 (3.1)	1.015 (25.8)	100
B-342 Continuous Sleeve Tubing									
Fig. 58	* XPS-125-CONT	B-342	Black on White	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	8 ft. (2.45m)	1 roll (cont.)
Fig. 58	* XPS-187-CONT	B-342	Black on White	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	8 ft. (2.45m)	1 roll (cont.)
Fig. 58	* XPS-250-CONT	B-342	Black on White	16 to 8	0.094-0.215 (2.4-5.5)	0.250 (6.4)	0.093 (2.4)	8 ft. (2.45m)	1 roll (cont.)
Fig. 58	* XPS-375-CONT	B-342	Black on White	12 to 4	0.125-0.320 (3.2-8.13)	0.375 (9.5)	0.125 (3.1)	8 ft. (2.45m)	1 roll (cont.)
Fig. 58	* XPS-125-CONT-YL-BK	B-342	Black on Yellow	22 to 16	0.046-0.110 (1.2-2.8)	0.125 (3.2)	0.047 (1.2)	8 ft. (2.45m)	1 roll (cont.)
Fig. 58	* XPS-187-CONT-YL-BK	B-342	Black on Yellow	20 to 10	0.062-0.150 (1.6-3.8)	0.187 (4.7)	0.062 (1.6)	8 ft. (2.45m)	1 roll (cont.)
Fig. 58	* XPS-250-CONT-YL-BK	B-342	Black on Yellow	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	8 ft. (2.45m)	1 roll (cont.)

* **WARNING:** Cancer www.P65Warnings.ca.gov

Repositionable Vinyl Cloth Wire and Cable Wraps (B-498)

Printer automatically repeats your text to fill the label for maximum readability. Special adhesive stays put, but marker can be removed and reapplied if necessary. Temp. range -40° F to 175° F (-40° C to 70° C). UL recognized.

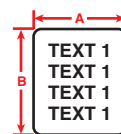


Figure 31



Diagram	Catalog #	B#	Material	Color	Approx. Wire Gauge*	Max Wire Dia. Inch (mm)	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll
B-498 Repositionable Vinyl Cloth Labels									
Fig. 31	X-7-498	B-498	Vinyl Cloth	Black on White	22 to 16	0.11 (2.8)	0.500 (12.7)	0.500 (12.7)	300
Fig. 31	X-11-498	B-498	Vinyl Cloth	Black on White	16 to 10	0.16 (4.0)	0.500 (12.7)	0.750 (19.1)	275
Fig. 31	X-163-498	B-498	Vinyl Cloth	Black on White	12 to 10	0.21 (5.3)	0.500 (12.7)	1.000 (25.4)	225
Fig. 31	X-19-498	B-498	Vinyl Cloth	Black on White	12 to 10	0.21 (5.3)	1.000 (25.4)	1.000 (25.4)	200
Fig. 31	X-18-498	B-498	Vinyl Cloth	Black on White	12 to 10	0.21 (5.3)	0.750 (19.1)	1.000 (25.4)	225
Fig. 31	X-103-498	B-498	Vinyl Cloth	Black on White	10 to 4	0.27 (6.9)	1.000 (25.4)	1.250 (31.8)	200
Fig. 31	X-162-498	B-498	Vinyl Cloth	Black on White	10 to 4	0.32 (6.9)	0.500 (12.7)	1.500 (38.1)	165
Fig. 31	X-31-498	B-498	Vinyl Cloth	Black on White	10 to 4	0.32 (6.9)	1.000 (25.4)	1.500 (38.1)	165
Fig. 31	X-21-498	B-498	Vinyl Cloth	Black on White	3 Gauge-2/0	0.53 (13.5)	1.000 (25.4)	2.500 (63.5)	95
Fig. 31	X-23-498	B-498	Vinyl Cloth	Black on White	3/0-400Kcmil	0.85 (21.6)	1.000 (25.4)	4.000 (101.6)	60

Self-laminating Vinyl Wire and Cable Markers (B-427)

Marker features a clear, non-printed area which wraps around and overlaminates the printed text. Printer automatically repeats your lines of text to fill the white print area. Resistant to abrasion, water, oil and solvents. Temp. range -40° F to 158° F (-40° C to 70° C), UL recognized.

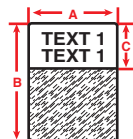


Figure 32



Diagram	Catalog #	B#	Material	Color	Approx. Wire Gauge*	Max Wire Dia. Inch (mm)	Label Width A Inch (mm)	Label Height B Inch (mm)	Print-On Height C Inch (mm)	Labels Per Roll
B-427 Self-laminating Vinyl Labels										
Fig. 32	XSL-11-427	B-427	Vinyl	Black on White	16 to 10	0.160 (4.0)	0.500 (12.7)	0.750 (19.1)	0.375 (9.5)	450
Fig. 32	XSL-96-427	B-427	Vinyl	Black on White	16 to 10	0.160 (4.0)	1.000 (25.4)	0.750 (19.1)	0.375 (9.5)	250
Fig. 32	XSL-17-427	B-427	Vinyl	Black on White	12 to 10	0.210 (5.3)	0.500 (12.7)	1.000 (25.4)	0.375 (9.5)	450
Fig. 32	XSL-18-427	B-427	Vinyl	Black on White	12 to 10	0.210 (5.3)	0.750 (19.1)	1.000 (25.4)	0.375 (9.5)	250
Fig. 32	XSL-19-427	B-427	Vinyl	Black on White	12 to 10	0.210 (5.3)	1.000 (25.4)	1.000 (25.4)	0.375 (9.5)	250
Fig. 32	XSL-133-427	B-427	Vinyl	Black on White	12 to 10	0.210 (5.3)	1.750 (44.5)	1.000 (25.4)	0.287 (7.29)	175
Fig. 32	XSL-102-427	B-427	Vinyl	Black on White	10 to 4	0.270 (6.9)	0.500 (12.7)	1.250 (31.8)	0.375 (9.5)	250
Fig. 32	XSL-103-427	B-427	Vinyl	Black on White	10 to 4	0.270 (6.9)	1.000 (25.4)	1.250 (31.8)	0.500 (12.7)	250
Fig. 32	XSL-115-427	B-427	Vinyl	Black on White	10 to 4	0.270 (6.9)	1.500 (38.1)	1.250 (31.8)	0.500 (12.7)	250
Fig. 32	XSL-29-427	B-427	Vinyl	Black on White	10 to 4	0.320 (8.1)	0.500 (12.7)	1.500 (38.1)	0.500 (12.7)	450
Fig. 32	XSL-30-427	B-427	Vinyl	Black on White	10 to 4	0.320 (8.1)	0.750 (19.1)	1.500 (38.1)	0.500 (12.7)	250
Fig. 32	XSL-31-427	B-427	Vinyl	Black on White	10 to 4	0.320 (8.1)	1.000 (25.4)	1.500 (38.1)	0.500 (12.7)	250
Fig. 32	XSL-32-427	B-427	Vinyl	Black on White	10 to 4	0.320 (8.1)	1.500 (38.1)	1.500 (38.1)	0.500 (12.7)	227
Fig. 32	XSL-134-427	B-427	Vinyl	Black on White	10 to 4	0.320 (8.1)	1.750 (44.5)	1.500 (38.1)	0.413 (10.49)	175
Fig. 32	XSL-21-427	B-427	Vinyl	Black on White	3 Gauge-2/0	0.530 (13.5)	1.000 (25.4)	2.500 (63.5)	0.750 (19.1)	100
Fig. 32	XSL-116-427	B-427	Vinyl	Black on White	3 Gauge-2/0	0.530 (13.5)	1.500 (38.1)	2.500 (63.5)	0.750 (19.1)	100
Fig. 32	XSL-23-427	B-427	Vinyl	Black on White	3/0-400 kcmil	0.850 (22.0)	1.000 (25.4)	4.000 (101.6)	1.000 (25.4)	85
Fig. 32	XSL-33-427	B-427	Vinyl	Black on White	3/0-400 kcmil	0.850 (22.0)	1.500 (38.1)	4.000 (101.6)	1.000 (25.4)	85
Fig. 32	XSL-34-427	B-427	Vinyl	Black on White	500-900 kcmil	1.30 (33.0)	1.500 (38.1)	6.000 (152.4)	1.500 (38.1)	50
Fig. 32	XSL-31-427-YL-BK	B-427	Vinyl	Black on Yellow	10 to 4	0.320 (8.1)	1.000 (25.4)	1.500 (38.1)	0.500 (12.7)	250
Fig. 32	XSL-21-427-YL-BK	B-427	Vinyl	Black on Yellow	3 Gauge-2/0	0.530 (13.5)	1.000 (25.4)	2.500 (63.5)	0.750 (19.1)	100
Fig. 32	XSL-23-427-YL-BK	B-427	Vinyl	Black on Yellow	3/0-400 kcmil	0.850 (22.0)	1.000 (25.4)	4.000 (101.6)	1.000 (25.4)	100

Terminal Repositionable Vinyl Cloth Material (B-498)

Specially designed narrow-width markers automatically set to fixed spacing and separation between legends and auto-rotate to top-down orientation for perfect alignment on terminal blocks. Temp. range -40° F to 175° F (-40° C to 80° C), UL recognized

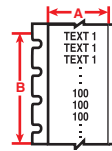


Figure 30

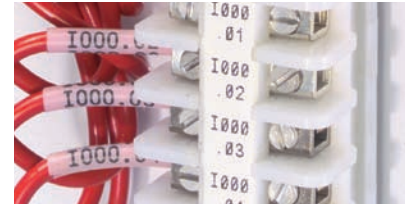


Diagram	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Roll Length B Feet (m)	Labels Per Roll
B-498 Repositionable Vinyl Cloth Labels							
Fig. 30	XC-240-498	B-498	Vinyl Cloth	Black on White	0.240 (6.1)	20 (7.9)	1 roll (cont.)
Fig. 30	XC-318-498	B-498	Vinyl Cloth	Black on White	0.318 (8.1)	20 (7.9)	1 roll (cont.)
Fig. 30	XC-375-498	B-498	Vinyl Cloth	Black on White	0.375 (9.5)	20 (7.9)	1 roll (cont.)

Polyester Labels (B-422)

Permanent adhesive, good for powder-coated and textured surfaces making it ideal for patch panels, outlets and faceplate identification. Best on flat surfaces. Temp. range: -40° F to 212° F (-40° C to 100° C). UL recognized

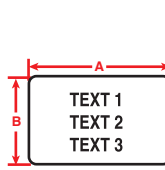


Figure 29

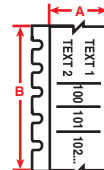


Figure 59



Diagram	Catalog #	B#	Material	Color	Sized To Fit	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll
B-422 Polyester Labels								
Fig. 59	XC-375-422	B-422	Polyester	Black on White	Label Punch Blocks or Multiple Ports on Cont. Tape	0.375 (9.530)	30 ft. (9.140 m)	1 roll (cont.)
Fig. 59	XC-475-422	B-422	Polyester	Black on White	Label Punch Blocks or Multiple Ports on Cont. Tape	0.475 (12.070)	30 ft. (9.140 m)	1 roll (cont.)
Fig. 29	X-7-422	B-422	Polyester	Black on White	Label Each Port	0.500 (12.700)	0.500 (12.700)	350
Fig. 29	X-17-422	B-422	Polyester	Black on White	Label Faceplate	1.000 (25.400)	0.500 (12.700)	500
Fig. 29	X-29-422	B-422	Polyester	Black on White	Label Faceplate	1.500 (38.100)	0.500 (12.700)	500

Racks, Bays, Frames and Data Center ID (B-422, B-483 and B-595)

- **B-422 Polyester Material:** Permanent adhesive, good for powder-coated and textured surfaces. Best on flat surfaces. Temp. range: -40° F to 212° F (-40° C to 100° C). UL recognized
- **B-483 Polyester Material:** Permanent adhesive for powder-coated and textured surfaces. Best on flat surfaces Temp. range: -40° F to 248° F (-40° C to 120° C). UL recognized
- **B-595 Indoor / Outdoor Vinyl Material:** Permanent adhesive, very pliable, good for rough surfaces and outdoor use, wide range of colors. Temp. range: -40° F to 180° F (-40° C to 82° C). UL recognized

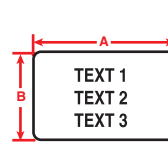


Figure 29



Figure 33



Diagram	Catalog #	B#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Roll
B-422 Polyester Labels							
Fig. 29	X-17-422	B-422	Polyester	Black on White	1.000 (25.4)	0.500 (12.7)	500
Fig. 29	X-29-422	B-422	Polyester	Black on White	1.500 (38.1)	0.500 (12.7)	500
Fig. 29	X-30-422	B-422	Polyester	Black on White	1.500 (38.1)	0.750 (19.1)	250
Fig. 29	X-19-422	B-422	Polyester	Black on White	1.000 (25.4)	1.000 (25.4)	250
Fig. 33	XC-1000-422	B-422	Polyester	Black on White	1.000 (25.4)	30 ft. (9.1 m)	1 roll (cont.)
B-483 Polyester Labels							
Fig. 29	X-17-483	B-483	Polyester	Black on White	1.000 (25.4)	0.500 (12.7)	500
Fig. 29	X-61-483	B-483	Polyester	Black on White	2.000 (50.8)	0.500 (12.7)	100
Fig. 29	X-20-483	B-483	Polyester	Black on White	2.000 (50.8)	1.000 (25.4)	100
B-595 Indoor/Outdoor Vinyl Film							
Fig. 33	XC-500-595-YL-BK	B-595	Vinyl	Black on Yellow*	0.500 (12.7)	30 ft. (9.1 m)	1 roll (cont.)
Fig. 33	XC-1000-595-YL-BK	B-595	Vinyl	Black on Yellow*	1.000 (25.4)	30 ft. (9.1 m)	1 roll (cont.)
Fig. 33	XC-1500-595-YL-BK	B-595	Vinyl	Black on Yellow*	1.500 (38.1)	30 ft. (9.1 m)	1 roll (cont.)

*Red, orange, green, blue, white and clear are also available.



Brady Workstation

Simple. Efficient. Flexible.

Brady Workstation has revolutionized how you design and print signs and labels. When paired with the high-performance printing capabilities of a Brady printer, you get intuitive label set up for simple, efficient and flexible sign and label creation.

Simple

Brady Workstation offers an intuitive user interface and workflow so you're ready to get started, without in-depth training. With your Brady printer, you get real-time information about the material installed in the printer to make label set up easy.

Efficient

Each suite of apps is designed with you in mind, featuring built-in regulations, standards, pictograms, common phrases, data importation guidance, help functions and more.

Flexible

With all your design apps in one spot, switching between identification tasks becomes a breeze. And, Brady Workstation works with our complete benchtop printer offering and select portable printers. Visit **Workstation.BradyID.com** for the full printer compatibility list.



Download your free 30-day trial



1. Download Brady Workstation at **Workstation.BradyID.com**.



2. Fill your workstation with the suites that best fit your needs.



3. Begin designing labels and printing them on your Brady printer!





Brady Workstation: Safety and Facility Identification Suite

Keep your facility safe and compliant. This suite features applications so you can easily create the custom signs, labels and pipe markers you need to add visual safety guidance to your facility.

Included apps:



Custom Designer
Complete, customized label creation and editing.



Arc Flash
Create NFPA compliant arc flash labels.



Express Signs
Create safety and facility signs in minutes with pre-defined templates and layouts.



Lean
Create common lean labels including gauge* and inventory labels.



Pipe Markers
Easily create ANSI / ASME compliant pipe markers using pre-defined templates.



Arrow Tape
Create arrow tape labels with pre-defined templates to show pipe flow direction.



Excel Import
Easily import Excel data right onto your labels.



Sequence
Create labels based on numeric and alphanumeric sequences.



Template Editor
Set elements on labels to be editable or locked.



Batch Print
Group files to print together.



Label Settings
Set default horizontal and vertical printing adjustments when using specific supplies with specific printers.



Print Partner
Quickly create labels by filling in a template and printing.



Manage Files
Manage saved files from one screen, with options to preview, categorize and delete file.



Network Printers
Connect to your printers via IP address or DNS address.



Arc flash labels



Safety labels



Facility signs



Equipment labels



Pipe markers



Lean / 5S labels and more

Software

Catalog #	Description
BWS-SFIDS-NA-EM	Email with activation code
BWS-SFIDS-NA-CD	CD

▶ **Free 30-day trial at**
Workstation.BradyID.com/SFID

Additional safety and facility identification software

For more specialized identification projects, you can add on these suites and apps:



Lockout Writer App

This intuitive tool allows you to create, store and print simple lockout procedures, associated tags and energy source labels quickly and easily.

Catalog #	Description
BWRK-LOW-DWN	Email activation code
BWRK-LOW-CD	CD



GHS Chemical Identification App

We've streamlined the label creation process so you can easily enter the data once from your SDS sheets, then create and print GHS label on demand. You can also auto-populate your GHS label using the built-in chemical database.

Catalog #	Description
BWRK-GHS-DWN	Email activation code



Basic Label Design Suite

Use this free software option to get started designing your labels. You get basic formatting capabilities, graphics and simple barcode libraries. Included apps:

- Custom Designer LITE
- Excel Import
- Sequence
- Batch Print
- Label Settings
- Manage Files
- Network Printers

Free download at Workstation.BradyID.com/FREE

* BBP®37 Printer required to cut out circular-shaped gauge labels.



Brady Workstation: Product and Wire Identification Suite

When you need to create product labels, wire and cable markers and panel labels, this suite is your go-to solution. It allows you to create basic text labels or complex labels with graphics and custom formatting, as well as serialize and import data.

Included apps:



Custom Designer
Complete, customized label creation and editing.



Text Labels
Simple designing for text-only wire and cable labels.



Asset Tags
Create the asset tags or asset location labels you need.



Patch Panel
Quickly identify patch panel ports and associated cables.



Terminal Block
Identify terminal blocks and create associated wire markers.



Excel Import
Easily import Excel data right onto your labels.



Advanced Import
Import data from sources beyond Excel onto your labels.



Sequence
Labels based on numeric and alphanumeric sequences.



Advanced Sequence
Create dependent and complex sequences for label creation.



Flip Flop
Automatically swap text items horizontally or vertically.



Template Editor
Set elements on labels to be editable or locked.



Batch Print
Group files to print together.



Label Settings
Set default horizontal and vertical printing adjustments when using specific supplies and printers.



Print Partner
Quickly create labels by filling in a template and printing.



Manage Files
Manage saved files from one screen, with options to preview, categorize and delete.



Network Printers
Connect to your printers via IP address or DNS address.



Component labels



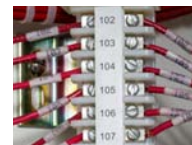
Wire ID labels



PermaSleeve® wire markers



Rating plate labels



Terminal block labels



And more

Catalog #	Description
BWS-PWDS-EM	Email activation code
BWS-PWDS-CD	CD

Free 30-day trial at
Workstation.BradyID.com/PWID

Software for your product and wire identification workflow

The following suites are designed to improve and automate your printing and labeling process:



Print Partner Suite

This suite includes everything you need to fill-in your templates and print, including importing data from a variety of supported data sources or automatically generating sequential data for your labels.

- Excel Import
- Advanced Sequence
- Advanced Import
- Print Partner
- Sequence
- Network Printers

Catalog #	Description
BWS-PPS-EM	Email activation code
BWS-PPS-CD	CD
BWS-PPS-EM-VOL	Email with volume license activation code
BWS-PPS-CD-VOL	Volume license CD



Scan and Print Suite

This suite can solve your workflow needs by consuming data from a barcode scanner, keyboard or custom script to populate your label templates as part of a labeling workflow.

- Custom Designer
- Label Settings
- Text Labels
- Manage Files
- Template Editor
- Network Printers
- Scan and Print

Catalog #	Description
BWS-SPS-EM	Email activation code
BWS-SPS-CD	CD



Automation Suite

Get the power to fully automate your label printing with this suite. Easily set up templates and import data to make label creation an automated, error-free process.

- Custom Designer
- Label Settings
- Data Automation
- Manage Files
- Template Editor
- Network Printers

Catalog #	Description
BWS-DAS-EM	Email activation code
BWS-DAS-CD	CD

Manage your facility and assets

Keeping your facility running smoothly can be a time consuming and exhaustive task. Add software to the mix to make sure you know what you have, where you have it and how to keep it compliant.

LINK360® Software

Manage the full lifecycle of visual procedures for lockout tagout, confined space entry and maintenance. This cloud-based software centralizes your data, allowing multiple users and multiple sites access to procedures at any time. Mobile apps allow you to access, modify and verify procedures on the go using a range of mobile devices. Dashboards and reports summarize your program at a glance and keep you informed of audits coming due.

With LINK360 software, you can:

- Cloud-based software allows for program scalability and access from mobile and tablet devices (iOS and Android)
- User-defined permission for viewing, editing and approving helps ensure the correct people are doing the correct activities
- Pre-defined templates and standardized procedures allow for multi-site standardization
- Workflow and responsibility assignments for sites, areas and equipment improves employee accountability around machine safety and productivity
- Audit alerts, notifications and detailed reporting help companies keep information up to date

▶ **Request a demo at BradyID.com/Services**



NetDoc® Network Cable Management Software

Make your job easier and more efficient with NetDoc Cable Management Software. As cable networks grow and become more complex, proper documentation is key to knowing what you have, where it is and what it's connected to. With NetDoc software, you can document and identify every aspect of your network, including cables, patch panels, racks, assets and much more.

Catalog #	Description
ND-1USER	1 license
ND-5USER	5 licenses
ND-SITE	1000 licenses

▶ **Request a demo at BradyID.com/Netdoc**



Lockout Tagout

BradyID.com/s36

Lockout tagout: A critical safety regulation

Lockout tagout is an important safety component that is critical to safeguarding workers around the machinery and equipment they operate, service and maintain. This important safety practice involves de-energizing electrical circuits, closing valves, neutralizing extreme temperatures and securing moving parts so hazardous energy isn't re-introduced while equipment is being serviced.

An effective lockout tagout program is most successful when it includes the complete safety picture – locks, tags and devices — as well as proper lockout procedures, program documentation, employee training, periodic inspections or other procedural elements.

Benefits of a lockout tagout program

- **Saving lives:** Preventing an estimated 250,000 incidents, 50,000 injuries and 120 fatalities annually
- **Cutting costs:** Significantly decreasing lost employee time and insurance costs
- **Improving productivity:** Reducing equipment downtime



Regulatory requirements

OSHA 29CFR 1910.147 – Control of Hazardous Energy

General industry workers performing servicing and/or maintenance on machines or equipment and who are exposed to the unexpected energization, startup or release of hazardous energy.

OSHA 29CFR 1910.333 – Electrical Safety

Safety-related work practices shall be employed to prevent electric shock or other injuries resulting from either direct or indirect electrical contacts, when work is performed near or on equipment or circuits which are or may be energized.

ANSI Z244.1 (2016) – Lockout Tagout and Alternative Methods

A voluntary national consensus standard that represents several industry hazardous energy control best practices and also promotes greater flexibility through the use of alternative methods based on risk assessments and application of the hazard control hierarchy.

Lockout tagout is the fifth most cited OSHA violation, with 2,944 violations during fiscal year 2018

Top violations involve:

1910.147(c)(4)(i)	Requirements for General Procedures
1910.147(c)(1)	Program Requirements
1910.147(c)(6)(i)	Inspecting Procedures
1910.147(c)(7)(i)	Training Requirements
1910.147(d)	Notifying affected employees

Go beyond compliance with the *Expanded Guide to Lockout Tagout*

Download the guidebook to learn more about the six essential elements of lockout tagout.

▶ Download at BradyID.com/lockouttagout



Six Essential Elements of Lockout Tagout



1. Program and policy

A written lockout document establishes and explains the elements of your program. It's important to take into account not only OSHA's guidelines, but also custom requirements for your employees that ensure they can understand and apply the program to their workday.



2. Machine- or task-specific procedures

Lockout procedures should be formally documented and should easily identify the equipment covered. They should also detail the specific steps necessary for shutting down, isolating, blocking and securing equipment to control hazardous energy, and include steps for the placement, removal and transfer of lockout tagout devices.



3. Identifying and marking energy isolation points

Locate and identify all energy control points, including valves, switches, breakers and plugs, with permanently placed and standardized labels or tags.



4. Training and periodic inspections and audits

Train authorized, affected and other employees, communicate processes and conduct periodic inspections. Training should include OSHA requirements and specific program elements, such as your machine-specific procedures.



5. Provide proper lockout devices

Provide employees with the necessary devices to keep them safe. There are many products on the market, and selecting the most appropriate solution for your application is the key to lockout effectiveness. It's important to document and use devices that best fit each lockout point.



6. Sustainability

Annually review, revise and update your program and procedures to create a safety culture that proactively addresses lockout tagout. This allows your company to focus on maintaining a world-class program, instead of starting from scratch each year and reacting only when something goes wrong.

Lockout Tagout Procedures

BradyID.com/s36

Lockout Tagout Procedures

There are a variety of components in a visual lockout tagout procedure that will help ensure your employees will get home safe. Use this helpful guide to determine what elements are required for compliance, and best practices to complete an even safer lockout procedure.

OSHA Regulation

29 CFR 1910.147 (c)(4)

Machine-specific lockout tagout procedures are required for equipment having more than one energy source, as well as for much equipment having a single energy source.

Lockout Tagout

Lockout/Tagout Posted Procedure

ID#: 5679
Created: 7/6/2018
Revised: 7/6/2018

Facility: Brady Good Hope - Production
Description: Boiler #1

Location: Boiler Room

4 Lockout Points

Note: This machine is capable of generating extremely high temperatures. Allow it to return to room temperature before proceeding. Confined Space. Authorized personnel only. Permits are required before entering. Follow all Confined Space procedures. Piping systems can store energy hydraulically. Ensure pressures are isolated and/or have been relieved before proceeding.

MCC 3 Column 3 Bucket A

EAST VIEW

NORTH VIEW

Step #	Action	Info	Verification
1	Electrical The E-1 Disconnect is located on the East side of the machine on the MCC panel Column 3 bucket A. Turn Disconnect to the off position and lock out.	Use a Lock and hasp device.	Attempt to restart at control panel.
2	Gas The G-1 Ball Valve is located on the East side of the machine. Turn Valve to the off position and lock out.	Use a Ball valve lockout device.	Verify pressure has bled off.
3	Water The W-1 Butterfly Valve Lockout is located on the East side of the machine. Turn the valve to the closed position and lock out.	Use a Lock and hasp device.	Verify pressure has bled off.
4	Water The W-2 Butterfly Valve Lockout is located on the East side of the machine. Turn the valve to the closed position and lock out.	Use a Lock and hasp device.	Verify pressure has bled off.

Lockout Tagout Procedure

Purpose: To protect authorized employees against unexpected or unplanned activation of equipment or energy while servicing equipment.
Scope: Utilize this procedure for all scheduled PM shutdowns, any maintenance task that requires you to place your body in harms way of the equipment, or if you have to leave the area while the equipment is in service.
Enforcement: Failure to properly follow lockout-tagout procedure will result in corrective action.

#	STEP	DESCRIPTION
1	Notify Employees	Notify all affected employees that servicing or maintenance is required on a machine or equipment, and that the machine or equipment must be shut down and locked out to perform the servicing or maintenance.
2	Review Lockout Procedure	The authorized employee shall refer to the company procedure to identify the type and magnitude of the energy that the machine or equipment utilizes, shall understand the hazards of the energy, and shall know the methods to control the energy.
3	Perform Machine Stop	If the machine or equipment is operating, shut it down by the normal stopping procedure (depress the stop button, open switch, close valve, etc.). Reference machine operating procedure for normal shutdown.
4	Isolate Energy	Follow graphical lockout-tagout procedure from top to bottom to de-activate the energy isolating device(s) so that the machine or equipment is isolated from the energy source(s). NOTE: It may be necessary to displace the non-isolable energy sources before isolating the lockable energy sources. (i.e. lower the machine to lowest position before locking out.)
5	Lockout Energy	Lockout and tagout the energy isolating device(s) with assigned lock(s) and tag(s).
6	Disipate Energy	Stored or residual energy (such as that in capacitors, springs, elevated machine members, rotating flywheels, hydraulic systems as well as air, gas, steam, or water pressure, etc.) must be dissipated or restrained by methods such as grounding, repositioning, blocking, bleeding down, etc.
7	Attempt Restart	Ensure that the equipment is disconnected from the energy sources by first checking that no personnel are exposed, then verify the isolation of the equipment by operating the push button or other normal operating controls or by testing to make certain the equipment will not operate. Caution: Return operating controls to neutral or "off" position after verifying the isolation of the equipment.

#	STEP	DESCRIPTION
1	Check Machine	Check the machine or equipment and the immediate area around the machine to ensure that nonessential items have been removed and that the machine or equipment components are operationally intact.
2	Check Area	Check the work area to ensure that all employees have been safely positioned or removed from the area.
3	Verify Machine	Verify that the controls are in neutral.
4	Remove Lockout	Remove the locks, tags and lockout devices and re-energize the machine or equipment. In reverse order, follow all of the steps from the visual lockout-tagout procedure found on the previous page. Note: The removal of some forms of blocking may require re-energization of the machine before safe removal.
5	Notify Employees	Notify affected employees that the servicing or maintenance is completed and the machine or equipment is ready for use.

- 1 Best practice:** Company logo
- 2 Best practice:** Machine-specific equipment ID number
- 3 Required:** Facility name, location, equipment name
- 4 Best practice:** Number of lockout points
- 5 Best practice:** The caution statement is where additional hazards and noteworthy information can be communicated
- 6 Best practice:** Pictures of equipment displaying location of each energy source.
- 7 Required:** While having corresponding energy source tags mounted on equipment and indicated on the lockout procedure is considered "best practice," lockout procedures are required to identify energy sources and magnitude. (OSHA 1910.147(d)(1))
- 8 Required:** Action steps to isolate energy and location of isolation points. These must include procedural steps for shutting down, isolating, blocking and securing equipment to control hazardous energy. They also must include steps for the use of lockout devices and their responsibility. 1910.147(c)(4)(ii)(B-C)
- 9 Required:** Verification is required on every step of your lockout procedure. This is how your employees will know whether or not the energy source is truly isolated and at a zero energy state. 1910.147(c)(4)(ii)(D)
- 10 Required:** Purpose, scope and enforcement of lockout tagout procedure must be included on Physical procedure. 1910.147(c)(4)(ii)
- 11 Required:** A sequential procedure for shutdown, locking/tagging and testing must be included on the lockout procedure. 1910.147 App A
- 12 Required:** A sequential procedure to restore equipment to service must be included on the lockout procedure. 1910.147 App A

Lockout Tagout Services through Brady Safety Services



With a continually changing workforce, and frequent enhancements to processes and technology, there is a need in the industry to efficiently develop and train new workers to keep operations running smoothly. Having a sustainable lockout/tagout program in place allows you to bridge the knowledge gap and improve safety throughout your facility.

Lockout Services include:

- Lockout/tagout machine inventory
- Visual lockout procedure writing
- Lockout/tagout procedure audit
- Lockout/tagout training, including general / affected, authorized and train-the-trainer programs
- Alternative method procedures/minor servicing
- Job safety analysis
- Lockout/tagout program development
- Lockout/tagout gap analysis
- Time- and material-based services

► For more information visit BradyID.com/Services



► Request a demo at BradyID.com/Services



► Download a 30-day trial at Workstation.BradleyID.com

Create Your Own Procedures

LINK360® Software

Brady's LINK360® cloud based software offers procedure creation, procedure maintenance, audit reminders and more in order to manage, store and sustain machine safety and procedural information. It includes three centers that address common areas of focus when operating your equipment safely: Lockout Tagout, Confined Space and Reliability / Maintenance.

With Link360 software, you can:

- Create and update procedures and permits
- Facilitate reviews, comments and approvals
- Setup regularly scheduled audit processes and reminders
- Time-stamping and record keeping
- Print lockout tags containing equipment-specific information

The LINK360 advantage:

- Cloud-based software allows for program scalability and access from mobile and tablet devices
- User-defined permission for viewing, editing and approving helps ensure the correct people are doing the correct activities
- Pre-defined templates and standardized procedures for multi-site standardization
- Workflow and responsibility assignments for sites, areas and equipment improves employee accountability around machine safety and productivity
- Audit alerts, notification and detailed reporting help companies keep information up to date

Brady Workstation Lockout Writer App

Desktop app for simple lockout procedures

Save time and keep employees safe with the Brady Workstation Lockout Writer app. This intuitive tool allows you to create, store and print simple lockout procedures, associated tags and energy source labels quickly and easily.

Lockout Tagout Procedures

BradyID.com/s36

Lockout Tagout Procedure Accessories



Fluorescent Protective Envelopes

- Clear envelopes with fluorescent edging, great for color-coding lockout procedures and other shop information
- Durable 8 gauge vinyl construction withstands harsh environments
- Ideal for indoor or outdoor use

Catalog #	Color	Size	Qty.
56941	Fluorescent Green	9 in. x 9 in.	25
56945	Fluorescent Green	9 in. x 12 in.	25
56942	Fluorescent Orange	9 in. x 9 in.	25
56946	Fluorescent Orange	9 in. x 12 in.	25
56944	Fluorescent Yellow	9 in. x 9 in.	25
56948	Fluorescent Yellow	9 in. x 12 in.	25



Magnetic Backed
Open-End



Adhesive Backed
Open-End

Adhesive and Magnetic Backed Envelopes

- Made of non-glare clear vinyl material
- Protects tags and cards on machinery, valves, switches, controls, and more
- Size: 8.5 in. x 11 in.

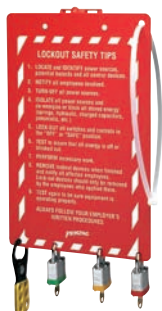
Catalog #	Color	Qty.
50961	Adhesive Backed Envelopes	10
50962	Magnetic Backed Envelopes	10



Lockout Procedure Station

- Silk-screened backboard made from durable polystyrene
- Includes pre-drilled holes and hardware for wall mounting
- 1.5 in. 3-ring binder
- Size: 20 in. x 14 in. x 4.5 in.

Catalog #	Description
LOSP22	Lockout Procedure Station With Binder and 25 Forms
99289	Lockout Procedure Station With Binder Only
LOSB1	Lockout Procedure Binder Only
LOSF5	Lockout Procedure Forms (25/pk)

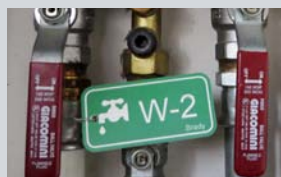


Lockout Clip Board

- Heavy-duty, clipboard conveniently carries procedures and hardware directly to the lockout location
- Clipboard can also be hung in place using attached strap
- Lockout safety tips on the back
- Procedures, locks and hasps sold separately

Catalog #	Color	Qty.
LOCB	Lockout Clip Board	1

May we also suggest:



Energy Source Tags

View page 206



Lockout Tagout Signs

View page 504

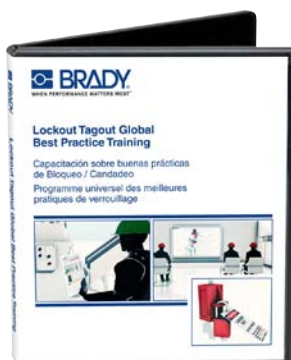


Lockout Safety Labels

View page 392

Lockout Training and Awareness Aids

BradyID.com/s36



Lockout Tagout Safety Training Video: Global Best Practice Training

- Comprehensive training video features targeted regulatory and compliance content
- 5 languages included: English, Spanish, French, Portuguese and Simplified Chinese
- Includes instructor's guide, employee quiz and 25 min video that:
 - Clearly defines and explains lockout tagout
 - Overviews compliance standards and regulations from countries around the world
 - Outlines an effective four-step lockout tagout program for employers
 - Covers important subtopics in-depth such as handling group lockout and shift changeovers
 - Bonus feature: 19 short installation videos on how to use some of the most common lockout devices

Catalog #	Description
132427	LOTO Global Training Video USB
833918	LOTO Global Training Video USB - European Supplies information in English, French, Dutch, German, Portuguese, Italian, Spanish, Turkish, Polish and Russian



Lockout Tagout Handbook

- 16-page training booklet with quiz instructs workers how to protect themselves from hazardous energy

Catalog #	Description	Qty.
66219	Lockout Tagout Handbook	10



Lockout Safety Training Booklet

- 16-page training booklet covers the basics of lockout tagout safety

Catalog #	Description	Qty.
2112-TEN	Lockout Safety	10
2112	Lockout Safety	25
2112SP-TEN	Lockout Safety - Spanish	10
2112SP	Lockout Safety - Spanish	25



Wallet Safety Cards

- Wallet size card contains important reminders for lockout safety

Catalog #	Description	Qty.
LOSC13	English Wallet Card	10
LOSC13 BI	English/Spanish Wallet Card	10

Lockout Tagout

OSHA Training Requirements:

Authorized Employees

Those who perform servicing or maintenance must be trained to:

- Recognize hazardous energy sources and understand the energy type and magnitude
- Identify and properly operate the applicable energy-isolating devices
- Safely apply and remove lockout tagout devices
- Authorized employees must undergo an annual review to ensure they fully understand their responsibilities under the program

Affected Employees

Those who operate the machinery or work in the area where LOTO is performed must be trained to:

- Recognize when lockout tagout activities are in progress
- Understand the purpose of the energy control program and the importance of not tampering with lockout tagout devices when encountered in the workplace

Additional Requirements

- Employers must document when training took place, who attended, and the topics covered
- Employees must be retrained under the following situations:
 - Employee assigned to new job
 - Change made to energy control policies or procedures
 - Machinery installed or modified, presenting a new hazard
 - Whenever the employer has reason to believe that there are problems with the employee's understanding or use of the procedures
- Additional training is required when using tagout instead of lockout. See Section (C)(7)(ii) in the 1910.147 standard.

Lockout Padlocks

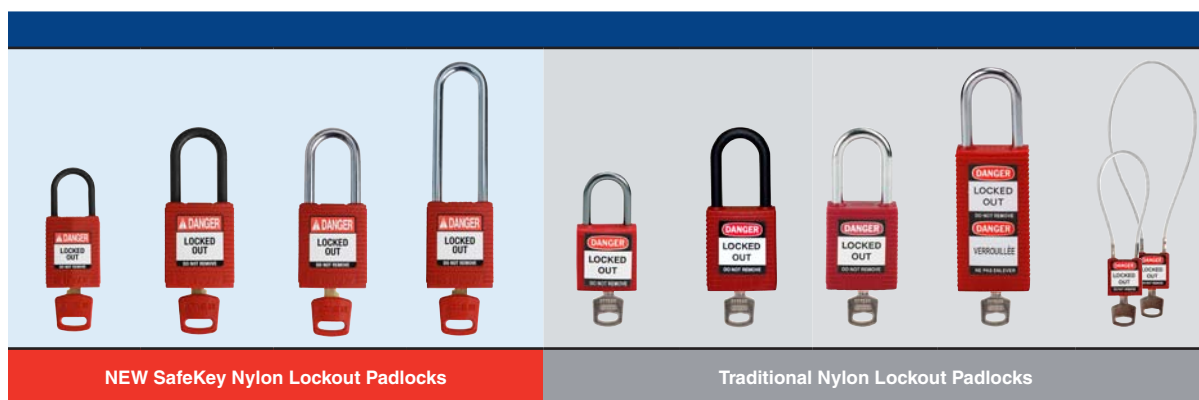
BradyID.com/s36

Lockout Padlocks

Although padlocks may seem like a commonplace device, the durability and reliability of your padlocks is critical to the safety of your employee. Brady provides a full line of padlocks that withstand harsh environmental conditions, rough handling and provide maximum safety.



Nylon Lockout Padlocks



	NEW SafeKey Nylon Lockout Padlocks				Traditional Nylon Lockout Padlocks				
	SafeKey Compact Padlocks	SafeKey Padlock with Nylon Shackle	SafeKey Padlock with Steel Shackle	SafeKey Padlock with 3 in. Shackle	Compact Nylon Padlocks	Nylon Padlock with Nylon Shackle	Nylon Padlock with Steel Shackle	Long-Body Nylon Padlock	Compact Cable Nylon Padlocks
Features	Advanced security locking mechanism, color matched keys, compact size	Advanced security locking mechanism, color matched keys, non-conductive nylon body and shackle	Advanced security locking mechanism, color matched keys, standard size	Advanced security locking mechanism, color matched keys, 3 inch shackle	Traditional pin tumbler locking mechanism, chrome / nickel plated keys, compact size	Traditional pin tumbler locking mechanism, chrome / nickel plated keys, non-conductive nylon body and shackle	Traditional pin tumbler locking mechanism, chrome / nickel plated keys, standard size	Traditional pin tumbler locking mechanism, chrome / nickel plated keys, 3 in. body to display additional identification	Traditional pin tumbler locking mechanism, chrome / nickel plated keys, compact body and flexible cable shackle
Main application	Electrical applications and small spaces	General safety and electrical applications	General safety applications	General safety applications requiring a large shackle clearance	Electrical applications and small spaces	General safety and electrical applications	General safety applications	General safety applications	Small spaces and multi-locking points in electrical applications
Non-conductive	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Non-sparking	Yes	Yes	No	No	No	Yes	No	No	No
Body (H x W)	Nylon body 1.7 in. x 1.25 in.	Nylon body 1.8 in. x 1.5 in.	Nylon body 1.8 in. x 1.5 in.	Nylon body 1.8 in. x 1.5 in.	Nylon body 1.4 in. x 1.2 in.	Nylon body 1.75 in. x 1.5 in.	Nylon body 1.75 in. x 1.5 in.	Nylon body 3 in. x 1.5 in.	Nylon body 1.4 in. x 1.2 in.
Shackle	Plastic polymer shackle Height: 1.0 in. Diameter: 0.17 in.	Plastic polymer shackle Height: 1.5 in. Diameter: 0.25 in.	Steel shackle Height: 1.5 in. Diameter: 0.25 in.	Steel shackle Height: 3.0 in. Diameter: 0.25 in.	Aluminum shackle Height: 1.0 in. Diameter: 0.19 in.	Nylon shackle Height: 3.0 in. Diameter: 0.25 in.	Steel shackle Height: 1.5 in. Diameter: 0.25 in.	Steel shackle Height: 1.5 in. Diameter: 0.25 in.	Flexible cable 7.87 in. or 15.75 in. length
Colors	9 colors	9 colors	9 colors	9 colors	9 colors	9 colors	9 colors	9 colors	9 colors
Key Retaining	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Key Codes	100,000+	100,000+	100,000+	100,000+	Up to 15,000	Up to 15,000	Up to 15,000	Up to 15,000	Up to 15,000
Keying	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*
Engraving Available	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key
Includes	1 key and labels (EN, FR, SP)	1 key and labels (EN, FR, SP)	1 key and labels (EN, FR, SP)	1 key and labels (EN, FR, SP)	1 key and labels (EN, FR, SP)	1 key and labels (EN, FR, SP)	1 key and labels (EN, FR, SP)	1 key and labels (EN, FR, SP)	1 key and labels (EN, FR, SP)

*Available as custom.

Regulations

1910.147(c)(5) OSHA Lockout Device Requirements state that lockout devices must:

- Be provided by the employer and be standardized by size, shape or color
- Be distinguishable from locks used for other purposes. Lockout locks should only be used for lockout
- Identify the individual who applied the lock (both tags and lock labels are acceptable for this purpose)
- Be capable of withstanding the usage environment and be strong enough to prevent removal except by using excessive force with special tools, such as bolt cutters
- Most importantly, whenever lockout devices are applied, they must remain under the exclusive control of the individual who attached them. No employee should be able to open a lock attached by someone else

Aluminum and Steel Lockout Padlocks



	SafeKey Aluminum Padlocks	Compact Aluminum Padlocks	Aluminum Padlocks	Laminated Steel Padlocks	Key-Retaining Laminated Steel Padlocks
Features	Advanced security locking mechanism, color matched keys, superior corrosion resistance	Traditional pin tumbler locking mechanism, chrome / nickel plated keys, compact, superior corrosion resistance	Traditional pin tumbler locking mechanism, chrome / nickel plated keys, superior corrosion resistance	Traditional pin tumbler locking mechanism, chrome / nickel plated keys, superior physical and corrosion resistance	Traditional key-retaining pin tumbler locking mechanism, chrome / nickel plated keys, superior physical and corrosion resistance
Main application	Ideal for indoor and outdoor use and heavy-duty applications	Small space applications	Outdoor, industrial safety, food and beverage applications (FDA approved lubricant in cylinder)	Industrial safety and severe physical environments	Industrial safety and severe physical environments
Non-conductive	No	No	No	No	No
Non-sparking	No	No	No	No	No
Body (H x W)	Aluminum body 1.8 in. x 1.5 in.	Aluminum body 1.25 in.	Aluminum body 1.6 in.	Steel body 1.33 in.	Steel body 1.2 in.
Shackle	Steel shackle Height: 1.5 in. or 3.0 in. Diameter: 0.25 in.	Steel shackle Height: 1.0 in. Diameter: 0.25 in.	Steel shackle Height: 1 in., 1.5 in. or 3 in. Diameter: 0.25 in.	Steel shackle Height: 0.75 in. or 2 in. Diameter: 0.27 in.	Steel shackle Height: 0.75 in., 2 in. or 3 in. Diameter: 0.27 in.
Colors	9 colors	9 colors	9 colors	9 colors	9 colors
Key Retaining	No	No	No	No	Yes
Key Codes	100,000+	Up to 15,000	Up to 15,000	Up to 15,000	Up to 15,000
Keying	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*	Keyed Different Keyed Alike Master Keyed* Grand Master Keyed*
Engraving Available	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key	Body (4 sides) and key
Includes	1 key (labels sold separately)	2 keys (labels sold separately)	2 keys (labels sold separately)	2 keys (labels sold separately)	1 key (labels sold separately)

*Available as custom.

Lockout Padlocks

BradyID.com/s36

new

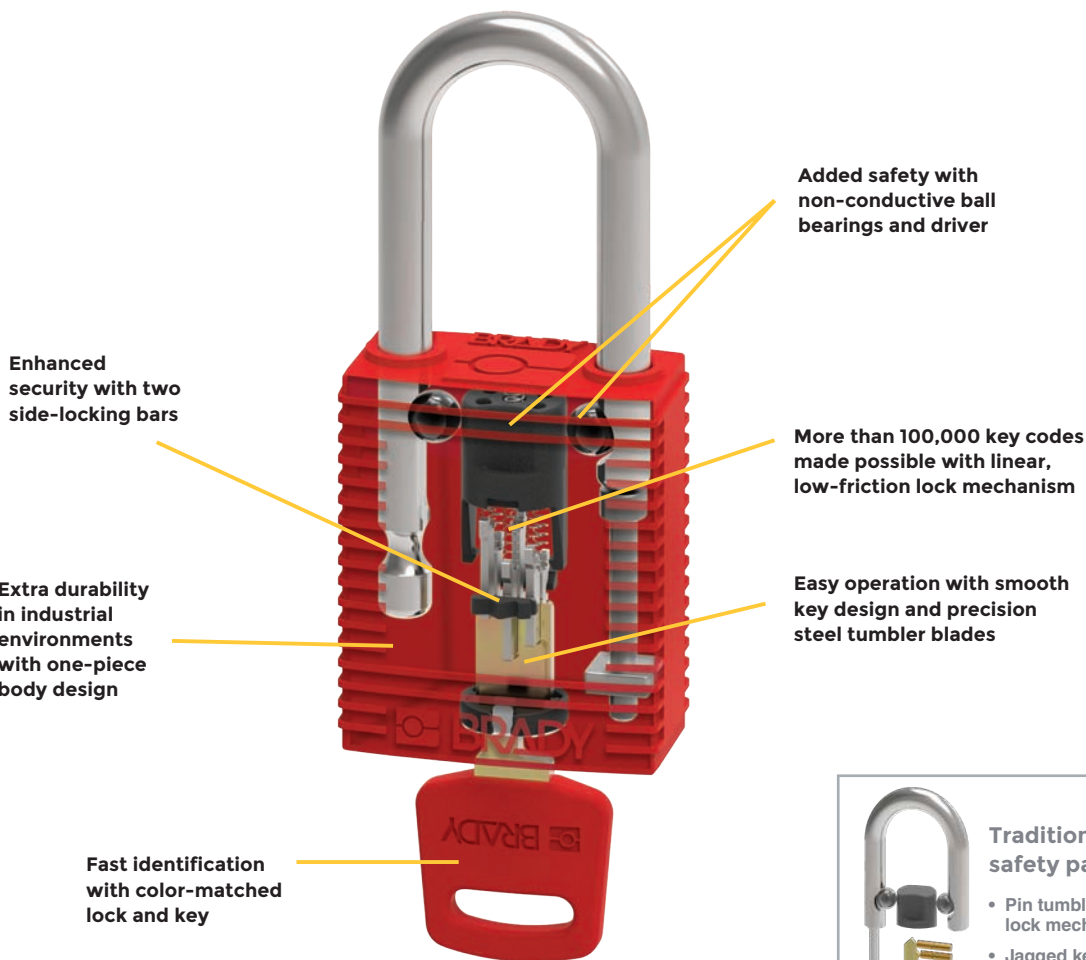
Brady SafeKey Lockout Padlocks

With this innovatively designed padlock, you get up to 700% more unique key possibilities than a standard safety padlock, without sacrificing a secure lockout. It's all in the forward-thinking design of the locking mechanism and unique key blade that gives you more precision and control in your lockout program. With that level of precision, you're covered from your simple to highly complex lockout needs. You also get:

- Fast identification with the color-matched key
- Easy operation with extra smooth key insertion and removal — even when wearing gloves!
- Years of use with the low-friction locking mechanism that helps maintain key integrity
- Excellent durability in industrial environments



Lockout Tagout

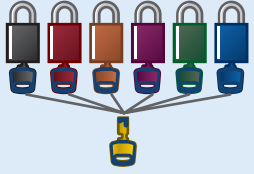
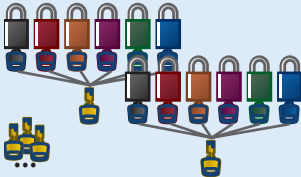


Traditional safety padlocks

- Pin tumbler lock mechanism
- Jagged key design
- Up to 15,000 key codes

More really means more with SafeKey

In your lockout scenario, here's what you get with up to 700% more unique key codes:

	Other Nylon Padlocks	SafeKey Lockout Padlocks	
Keyed Different	15,000 Key Codes	100,000+ Key Codes	
1 Master Key	3,250 Key Codes	15,000+ Key Codes	
25 Master Keys	150 Key Codes	600+ Key Codes	

Lockout Tagout

Keying options for SafeKey and traditional lockout padlocks

Standard options



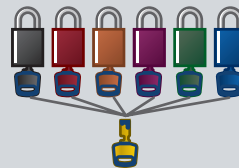
Keyed Different (KD)

Each lock is opened by its own unique key. Perfect for simple lockout applications and a manageable number of energy isolation points.

Keyed Alike (KA)

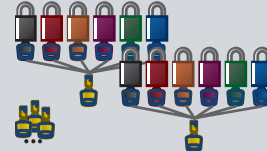
Each lock in the group can be opened with the same key, reducing the number of keys needed. Ideal for employees who work on multiple machines or isolation points.

Custom options



Master Keyed (MK)

Each grouping of locks (whether keyed alike or different) can be opened with a master key. Useful for larger, complex systems when supervisory access may be required.



Grand Master Keyed (GMK)

The grand master key can open all locks grouped into two or more master keyed systems. Useful when supervisory or managerial access to all locks is needed.

Key Charting

Brady will keep a record of and "chart" all key numbers to ensure there's no unwanted key duplication on current or future orders, depending on your unique requirements.

Lockout Padlocks

BradyID.com/s36

new

Brady SafeKey Lockout Padlocks

SafeKey Nylon Lockout Padlocks

- Key retaining feature within a lightweight nylon body is ideal for electrical and general lockout applications
- Two shackle options available; durable, steel shackle or polymer plastic shackle that is non-conductive and non-sparking
- Each padlock includes one key and lock labels in English, Spanish and French; additional keys can be ordered if needed
- Body: 1.8 in. H x 1.5 in. W x 0.75 in. D; shackle diameter: 0.25 in.

SafeKey Nylon Lockout Padlocks with 1.5 in. (38 mm) steel shackle

Color	Keyed Different 1/Pack	Keyed Different 6/Pack	Keyed Alike 3/Pack	Keyed Alike 6/Pack
Red	NYL-RED-38ST-KD	NYL-RED-38ST-KD6PK	NYL-RED-38ST-KA3PK	NYL-RED-38ST-KA6PK
Green	NYL-GRN-38ST-KD	NYL-GRN-38ST-KD6PK	NYL-GRN-38ST-KA3PK	NYL-GRN-38ST-KA6PK
Orange	NYL-ORG-38ST-KD	NYL-ORG-38ST-KD6PK	NYL-ORG-38ST-KA3PK	NYL-ORG-38ST-KA6PK
Blue	NYL-BLU-38ST-KD	NYL-BLU-38ST-KD6PK	NYL-BLU-38ST-KA3PK	NYL-BLU-38ST-KA6PK
Yellow	NYL-YLW-38ST-KD	NYL-YLW-38ST-KD6PK	NYL-YLW-38ST-KA3PK	NYL-YLW-38ST-KA6PK
Brown	NYL-BRN-38ST-KD	NYL-BRN-38ST-KD6PK	NYL-BRN-38ST-KA3PK	NYL-BRN-38ST-KA6PK
White	NYL-WHT-38ST-KD	NYL-WHT-38ST-KD6PK	NYL-WHT-38ST-KA3PK	NYL-WHT-38ST-KA6PK
Purple	NYL-PRP-38ST-KD	NYL-PRP-38ST-KD6PK	NYL-PRP-38ST-KA3PK	NYL-PRP-38ST-KA6PK
Black	NYL-BLK-38ST-KD	NYL-BLK-38ST-KD6PK	NYL-BLK-38ST-KA3PK	NYL-BLK-38ST-KA6PK



SafeKey Nylon Lockout Padlocks with 1.5 in. (38 mm) plastic shackle

Color	Keyed Different 1/Pack	Keyed Different 6/Pack	Keyed Alike 3/Pack	Keyed Alike 6/Pack
Red	NYL-RED-38PL-KD	NYL-RED-38PL-KD6PK	NYL-RED-38PL-KA3PK	NYL-RED-38PL-KA6PK
Green	NYL-GRN-38PL-KD	NYL-GRN-38PL-KD6PK	NYL-GRN-38PL-KA3PK	NYL-GRN-38PL-KA6PK
Orange	NYL-ORG-38PL-KD	NYL-ORG-38PL-KD6PK	NYL-ORG-38PL-KA3PK	NYL-ORG-38PL-KA6PK
Blue	NYL-BLU-38PL-KD	NYL-BLU-38PL-KD6PK	NYL-BLU-38PL-KA3PK	NYL-BLU-38PL-KA6PK
Yellow	NYL-YLW-38PL-KD	NYL-YLW-38PL-KD6PK	NYL-YLW-38PL-KA3PK	NYL-YLW-38PL-KA6PK
Brown	NYL-BRN-38PL-KD	NYL-BRN-38PL-KD6PK	NYL-BRN-38PL-KA3PK	NYL-BRN-38PL-KA6PK
White	NYL-WHT-38PL-KD	NYL-WHT-38PL-KD6PK	NYL-WHT-38PL-KA3PK	NYL-WHT-38PL-KA6PK
Purple	NYL-PRP-38PL-KD	NYL-PRP-38PL-KD6PK	NYL-PRP-38PL-KA3PK	NYL-PRP-38PL-KA6PK
Black	NYL-BLK-38PL-KD	NYL-BLK-38PL-KD6PK	NYL-BLK-38PL-KA3PK	NYL-BLK-38PL-KA6PK



SafeKey Nylon Lockout Padlocks with 3.0 in. (76 mm) steel shackle

Color	Keyed Different 1/Pack
Red	NYL-RED-76ST-KD
Green	NYL-GRN-76ST-KD
Orange	NYL-ORG-76ST-KD
Blue	NYL-BLU-76ST-KD
Yellow	NYL-YLW-76ST-KD
Brown	NYL-BRN-76ST-KD
White	NYL-WHT-76ST-KD
Purple	NYL-PRP-76ST-KD
Black	NYL-BLK-76ST-KD



Engraving

SafeKey padlocks can be laser-engraved on one to four surfaces to identify individuals, departments, work areas, serial numbers and company logos. Additionally, SafeKey keys can be engraved with up to 10 characters.

Design-Your-Own Padlock Online

Create a custom SafeKey padlock with exactly the options you need, including engraving, in one easy-to-use online tool. Try it today at BradyID.com/CustomPadlocks



SafeKey Padlock Labels

- Labels help send a clear message when machine is down for service or maintenance
- Keep track of your Brady SafeKey Lockout Padlocks by writing who owns that padlock on the label

Catalog #	Description	Size	Qty.
150556	English, French, Spanish	Compact 0.89 in x 1 in	6 cards
150555	English, French, Spanish	Standard 1.12 in x 1 in	6 cards
65508	Lock Label Overlamine	1 in. x 6 in.	40

Lockout Tagout