


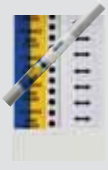

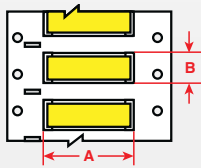


Material Comparison Chart

	Product Name	Description	Temp Range	Specs	Compliance	Rec. Ribbon Series	Printer Compatibility
	PS & 3PS: B-342	3:1 ratio heat shrinkable tubing	-55°C (-67°F) to +135°C (275°F)	MIL-STD-202, Method 215K, SAE-AMS-DTL-23053/5 (Class 1), SAE-AS-81531	RoHS UL Recognized	R4300 R6600	BMP®71 BBP®33 PR PLUS / IP BBP®72
	HX & 2HX: B-7642	2:1 ratio heat shrinkable tubing	-55°C (-67°F) to +135°C (275°F)	SAE-AMS-DTL-23053/5 (Class 1 & 3), SAE-AS-81531, MIL-STD-202, Method 215K	RoHS	R4300 R6400 R6600	BBP®33 PR PLUS BBP®72
	ZH & 2ZH: B-7641	2:1 ratio halogen-free heat shrinkable tubing	-30°C (-22°F) to +105°C (221°F)	SAE-AS-81531, MIL-STD-202, Method 215K, DIN VDE 0472 part 815	RoHS	R4300 R6000 R6600	PR-PLUS BBP®72
	3HT & 2HT: B-345	2:1 ratio low outgassing high temperature heat shrinkable tubing	-55°C (-67°F) to +225°C (437°F)	SAE-AS-81531, MIL-STD-202G, Method 215K, NASA SP-R-0022A, SAE-AMS-DTL-23053/18 (Class 2)	RoHS	R6000 R6600	BMP®71 BBP®33 PR PLUS / IP BBP®72
	DR & 3DR: B-7646	3:1 ratio diesel resistant heat shrinkable tubing	-55°C (-67°F) to +135°C (275°F)	MIL-STD-202, Method 215K, SAE-AS-81531, NF F 00-608 (Types A & H)	RoHS	R6600	PR PLUS BBP®72
	B-427	Self-laminating & self-extinguishing wire wrap label	-40°C (-40°F) to +70°C (158°F)		RoHS UL Recognized	R4300 R4500	BMP®71 BBP®33 PR PLUS / IP WRAPTOR™
	B-642	Teldar® self-extinguishing, self-laminating wire wrap	-70°C (-94°F) to +120°C (248°F)		RoHS	R4300 R6200 Dot Matrix: R2000 R5000	BMP®71 PR PLUS DOT MATRIX WRAPTOR™
	B-472	Matte finish self-extinguishing wire-wrap label	-70°C (-94°F) to +135°C (275°F)	AS81531, MIL-STD-202, Method 215k	RoHS	R4300 R6200 Dot Matrix: R2000	PR PLUS / IP WRAPTOR™ DOT MATRIX
	B-437	Tedlar® self extinguishing wire wrap label	-70°C (-94°F) to +135°C (275°F)	MIL-M-87958	RoHS	R4300 R6200	BMP®71 PR PLUS / IP
	B-637	Tedlar® self-extinguishing wire-wrap label	-70°C (-94°F) to +135°C (275°F)	MIL-M-87958	RoHS	Dot Matrix: R2000 R5000	DOT MATRIX
	B-498	Vinyl-cloth repositionable wire wrap label	-40°C (-40°F) to +80°C (176°F)		RoHS UL Recognized	R6200	BMP®71 BBP®33 PR PLUS / IP
	B-499	Nylon cloth wire-wrap label	-40°C (-40°F) to +90°C (194°F)	DIN VDE 0472 part 815	RoHS UL Recognized CSA	R4300 R4900 R6000 R6200	BMP®71 BBP®33 PR PLUS / IP WRAPTOR™
	B-330	Wire bundle and large conduit heat shrinkable wrap material	-70°C (-94°F) to +110°C (230°F)	MIL-STD-202, Method 215K, SAE-AS-81531		R4300 R6200 Dot Matrix: R2000 R5000	PR PLUS DOT MATRIX
	B-423	Glossy polyester flat-surface label	-70°C (-94°F) to +110°C (230°F)	DIN VDE 0472 part 815	RoHS UL Recognized CSA	R6000 R4400	BMP®71 BBP®33 PR PLUS / IP
	B-483	Glossy-polyester label for rough surfaces	-40°C (-40°F) to +120°C (248°F)		RoHS UL Recognized CSA	R6000 R4400 R4900	BMP®71 BBP®33 PR PLUS / IP
	B-593	Raised profile label	-20°C (-4°F) to +100°C (212°F)		UL Recognized, cUL Recognized, RoHS	R6000 R4400	BMP®71 BBP®33 PR PLUS / IP
	B-992	Glossy self-laminating fluid line tape	-40°C (-40°F) to +150°C (302°F)	LMA-MF099 LMA-MF092B LMA-MF093C LMA-MF094C FMS-3099A		R6000	PR PLUS
	B-999	Heat-activated fluid line tape	-65°C (-85°F) to +110°C (230°F)	Boeing BPS-T-151		R4900 R7961 Dot Matrix: R2000 R5000	PR PLUS WRAPTOR™ DOT MATRIX
	B-508	Nomex® low outgassing cable and harness marking tag	-70°C (-94°F) to +130°C (266°F)	SAE-AS-81531, MIL-STD-202, Method 215K	RoHS	R4300 Dot Matrix: R2000 R5000	PR PLUS DOT MATRIX



Available Colors

White (WT)	Orange (OR)
Yellow (YL)	Black (BK)
Pink (PK)	Brown (BR)
Red (RD)	Gray (GY)
Blue (BL)	Violet (VT)
Green (GR)	

Scan for Detailed Technical Information



Enter "B-342",
the material number.

PermaSleeve® PS/3PS Wire Markers: B-342

PermaSleeve® PS Wire Markers, B-342, fit snugly around wires for protection and permanent identification. They are fade-resistant, smudge-proof and provide full-circle insulation.

Shrink Ratio: 3:1

Temperature Range: -55°C (-67°F) to 135°C (275°F)

Splice Tape Color: Blue

Specifications*:

- SAE-AMS-DTL 23053/5 Class 1
- SAE-AS-81531
- MIL-STD-202, Method 215k
- RoHS compliant
- UL Recognized

Tested per:

- ASTM E162
- ASTM E662

* When printed with recommended ribbons below

PS/3PS Material Options (B-342)

Find the Sleeve Size for Your Wire Diameter

Outer Wire Diameter in (mm)	Wire Gauge	Sleeve Size (B)
0.023" - 0.080" (0.58 - 2.03)	28 to 20	3/32" (094)
0.046" - 0.110" (1.17 - 2.79)	22 to 16	1/8" (125)
0.062" - 0.150" (1.57 - 3.81)	20 to 10	3/16" (187)
0.094" - 0.215" (2.39 - 5.46)	16 to 8	1/4" (250)
0.125" - 0.320" (3.18 - 8.13)	12 to 4	3/8" (375)
0.187" - 0.450" (4.75 - 11.43)	8 to 1	1/2" (500)
0.250" - 0.700" (6.35 - 17.78)	6 to 4/0	3/4" (750)
0.333" - 0.950" (8.46 - 24.13)	2 to .950 dia	1" (1000)
0.500" - 1.450" (12.7 - 36.83)	Larger than 4/0	1-1/2" (1500)

Sleeve Widths (A)

- 1 1/2"
- 2"

Number of Printable Sides

- One Sided
- Two Sided

Slit and Perforation

- 2, 3 or 4 pieces



Example shows sleeve
split into 3 pieces

Roll Quantities

- Various roll quantity sizes available, including:
- Small (20% - 40% of a standard roll)
 - Standard
 - Jumbo (2x - 4x a standard roll)

Printer and Ribbon Compatibility



- Standard Black:
R4300 Series
- High Performance Black:
R6600 Series
- Standard White:
R6700 Series



- Standard Black:
R4300 Series
- High Performance Black:
R6600 Series
- Standard Silver:
R4500 Series



- Standard Black:
R4300 Series
- High Performance Black:
R6600 Series

Not all material options available for every printer.



PermaSleeve® ZH Wire Markers: B-7641

PermaSleeve® ZH Wire Markers, B-7641, are halogen-free and are available in a 2:1 shrink ratio. The wire markers offer outstanding fire safety properties and minimal smoke emission.

Shrink Ratio: 2:1

Temperature Range: -30°C (-22°F) to 105°C (221°F)

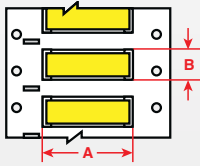
Splice Tape Color: Clear

Specifications*:

- SAE-AS-81531
- MIL-STD-202, Method 215k
- RoHS compliant
- Halogen-Free (DIN VDE 0472 part 815)

Tested per:

- ASTM E162
- ASTM E662



* When printed with recommended ribbons below

ZH/2ZH Material Options (B-7641)

Available Colors

White (WT)	Orange* (OR)
Yellow (YL)	Black (BK)
Red* (RD)	Gray* (GY)
Blue* (BL)	Violet* (VT)
Green* (GR)	

* Only available as special order

Scan for Detailed Technical Information



Enter "B-7641", the material number.

Find the Sleeve Size for Your Wire Diameter

Outer Wire Diameter in (mm)	Wire Gauge	Sleeve Size (B)
0.031" - 0.080" (0.60 - 2.03)	24 to 20	3/32" (094*)
0.063" - 0.110" (1.20 - 2.79)	20 to 16	1/8" (125)
0.094" - 0.150" (1.60 - 3.81)	16 to 10	3/16" (187)
0.125" - 0.215" (2.40 - 5.46)	12 to 8	1/4" (250)
0.187" - 0.320" (3.20 - 8.13)	8 to 4	3/8" (375)
0.250" - 0.450" (6.35 - 11.43)	6 to 1	1/2" (500)
0.375" - 0.700" (9.53 - 17.78)	2 to 4/0	3/4" (750)
0.450" - 0.950" (11.40 - 24.13)	2/0 to .950 dia	1" (1000)
0.750" - 1.450" (19.05 - 36.83)	Larger than 4/0	1-1/2" (1500)
1.000" - 1.900" (25.40 - 48.26)	N/A	2" (2000)

Sleeve Widths (A)

- 1 1/2"
- 2"
- 3" (for 1", 1 1/2" & 2" diameter sleeve sizes only)

Number of Printable Sides

- One Sided
- Two Sided

Slit and Perforation

2, 3 or 4 pieces



Example shows sleeve split into 3 pieces

Roll Quantities

- Various roll quantity sizes available, including:
- Small (20% - 40% of a standard roll)
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Printer and Ribbon Compatibility



Standard Black:
R4300, R6000 Series

High Performance Black:
R6600 Series

Standard Black:
R4300, R6000 Series

High Performance Black:
R6600 Series

Not all material options available for every printer.

PermaSleeve® HX Wire Markers: B-7642

PermaSleeve® HX Wire Markers, B-7642, fit snugly around wires for protection and permanent identification. The sleeves are highly flame retardant and very flexible.

Shrink Ratio: 2:1

Temperature Range: -40°C (-40°F) to 160°C (320°F)

Splice Tape Color: Red

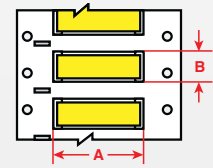
Specifications*:

- SAE-AS-81531
- SAE-AMS-DTL-23053/5, Class 1
- MIL-STD-202, Method 215k
- RoHS compliant

Tested per:

- ASTM E162
- ASTM E662

* When printed with recommended ribbons below



HX/2HX Material Options (B-7642)

Find the Sleeve Size for Your Wire Diameter

Outer Wire Diameter in (mm)	Wire Gauge	Sleeve Size (B)
0.047" - 0.080" (1.19 - 2.03)	24 to 20	3/32" (094*)
0.063" - 0.110" (1.20 - 2.79)	20 to 16	1/8" (125)
0.094" - 0.150" (1.60 - 3.81)	16 to 10	3/16" (187)
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0.375" - 0.700" (9.53 - 17.78)	2 to 4/0	3/4" (750)
0.450" - 0.950" (11.40 - 24.13)	2/0 to .950 dia	1" (1000)
0.750" - 1.450" (19.05 - 36.83)	Larger than 4/0	1-1/2" (1500)
1.000" - 1.900" (25.40 - 48.26)	N/A	2" (2000)

Available Colors

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Printer and Ribbon Compatibility



Standard Black:
R4300 Series

High Performance Black:
R6400, R6600 Series



Standard Black:
R4300 Series

High Performance Black:
R6400, R6600 Series



Standard Black:
R4300 Series

High Performance Black:
R6400, R6600 Series

Not all material options available for every printer.

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