

## PermaSleeve<sup>®</sup> FR Fluid Resistant Wire Marking Sleeves (B-344)

**Military/Industrial Grade. 3:1 Shrink ratio.**

- Designed for labeling wires in applications where they will be exposed to fuels, lubricants and harsh chemicals such as in the installation of hydrogen fuel cells in aerospace
- Resistant to harsh chemicals including JP8 Jet Fuel, Skydrol<sup>®</sup> and DOT 3 brake fluid
- Meets the following industry specifications:
  - SAE-AMS-DTL-23053/6 (class 1)
  - MIL-STD-202G method 215K

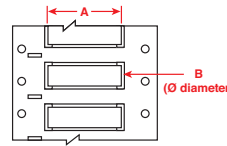


Figure 20



Service temp: -94°F to 267°F  
Agency Approvals for: **RoHS**

Fits Printer Model	Diagram	Catalog #	Material	Color	For Wire Gauge (approx.)	For Wire Diameters Inch (mm) Min. Max.	Supplied Diameter B Inch (mm)	Recovered Diameter Inch (mm)	Recovered Wall Thickness Inch (mm)	Sleeves Per Row	Per Roll	Rec. Ribbon
<b>3:1 Shrink ratio double-side printable, 2" sleeve width (dimension A):</b>												
BBP33	Fig. 20	B33D-94-2-344	B-344	White	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	0.024 (0.6) +/- 0.003 (0.1)	1	1000	B30-R6600
BBP33	Fig. 20	B33D-125-2-344	B-344	White	22 to 16	0.046 (1.2) - 0.111 (2.8)	0.125 (3.1)	0.047 (1.2)	0.020 (0.5) +/- 0.003 (0.1)	1	1000	B30-R6600
BBP33	Fig. 20	B33D-187-2-344	B-344	White	20 to 10	0.062 (1.6) - 0.15 (3.81)	0.187 (4.8)	0.062 (1.6)	0.020 (0.5) +/- 0.003 (0.1)	1	750	B30-R6600
BBP33	Fig. 20	B33D-250-2-344	B-344	White	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.35)	0.093 (2.4)	0.025 (0.6) +/- 0.003 (0.1)	1	500	B30-R6600
BBP33	Fig. 20	B33D-375-2-344	B-344	White	12 to 4	0.125 (3.2) - 0.320 (8.1)	0.375 (9.5)	0.125 (3.2)	0.025 (0.6) +/- 0.003 (0.1)	1	500	B30-R6600
BBP33	Fig. 20	B33D-500-2-344	B-344	White	8 to 1	0.187 (4.8) - 0.450 (11.4)	0.500 (12.7)	0.119 (3.0)	0.025 (0.6) +/- 0.003 (0.1)	1	350	B30-R6600
BBP33	Fig. 20	B33D-750-2-344	B-344	White	6 to 4/0	0.250 (6.4) - 0.700 (17.8)	0.750 (19.05)	0.250 (6.35)	0.025 (0.6) +/- 0.003 (0.1)	1	250	B30-R6600
BBP33	Fig. 20	B33D-1000-2-344	B-344	White	2 to 0.950 dia	0.333 (8.5) - 0.950 (24.1)	1.000 (25.4)	0.375 (9.5)	0.036 (0.9) +/- 0.003 (0.1)	1	250	B30-R6600
BBP33	Fig. 20	B33D-1500-2-344	B-344	White	n/a	0.500 (12.7) - 1.400 (35.6)	1.500 (38.1)	0.500 (12.7)	0.035 (0.9) +/- 0.003 (0.1)	1	150	B30-R6600
BBP33	Fig. 20	B33D-94-2-344YL	B-344	Yellow	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	0.024 (0.6) +/- 0.003 (0.1)	1	1000	B30-R6600
BBP33	Fig. 20	B33D-125-2-344YL	B-344	Yellow	22 to 16	0.046 (1.2) - 0.111 (2.8)	0.125 (3.1)	0.047 (1.2)	0.020 (0.5) +/- 0.003 (0.1)	1	1000	B30-R6600
BBP33	Fig. 20	B33D-187-2-344YL	B-344	Yellow	20 to 10	0.062 (1.6) - 0.15 (3.81)	0.187 (4.8)	0.062 (1.6)	0.020 (0.5) +/- 0.003 (0.1)	1	750	B30-R6600
BBP33	Fig. 20	B33D-250-2-344YL	B-344	Yellow	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.35)	0.093 (2.4)	0.025 (0.6) +/- 0.003 (0.1)	1	500	B30-R6600
BBP33	Fig. 20	B33D-375-2-344YL	B-344	Yellow	12 to 4	0.125 (3.2) - 0.320 (8.1)	0.375 (9.5)	0.125 (3.2)	0.025 (0.6) +/- 0.003 (0.1)	1	500	B30-R6600
BBP33	Fig. 20	B33D-500-2-344YL	B-344	Yellow	8 to 1	0.187 (4.8) - 0.450 (11.4)	0.500 (12.7)	0.119 (3.0)	0.025 (0.6) +/- 0.003 (0.1)	1	350	B30-R6600
BBP33	Fig. 20	B33D-750-2-344YL	B-344	Yellow	6 to 4/0	0.250 (6.4) - 0.700 (17.8)	0.750 (19.05)	0.250 (6.35)	0.025 (0.6) +/- 0.003 (0.1)	1	250	B30-R6600
BBP33	Fig. 20	B33D-1000-2-344YL	B-344	Yellow	2 to 0.950 dia	0.333 (8.5) - 0.950 (24.1)	1.000 (25.4)	0.375 (9.5)	0.036 (0.9) +/- 0.003 (0.1)	1	250	B30-R6600
BBP33	Fig. 20	B33D-1500-2-344YL	B-344	Yellow	n/a	0.500 (12.7) - 1.400 (35.6)	1.500 (38.1)	0.500 (12.7)	0.035 (0.9) +/- 0.003 (0.1)	1	150	B30-R6600
BBP33	Fig. 20	B33D-94-2-344BK	B-344	Black	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	0.024 (0.6) +/- 0.003 (0.1)	1	1000	B30-R6700-WT
BBP33	Fig. 20	B33D-125-2-344BK	B-344	Black	22 to 16	0.046 (1.2) - 0.111 (2.8)	0.125 (3.1)	0.047 (1.2)	0.020 (0.5) +/- 0.003 (0.1)	1	1000	B30-R6700-WT
BBP33	Fig. 20	B33D-187-2-344BK	B-344	Black	20 to 10	0.062 (1.6) - 0.15 (3.81)	0.187 (4.8)	0.062 (1.6)	0.020 (0.5) +/- 0.003 (0.1)	1	750	B30-R6700-WT
BBP33	Fig. 20	B33D-250-2-344BK	B-344	Black	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.35)	0.093 (2.4)	0.025 (0.6) +/- 0.003 (0.1)	1	500	B30-R6700-WT
BBP33	Fig. 20	B33D-375-2-344BK	B-344	Black	12 to 4	0.125 (3.2) - 0.320 (8.1)	0.375 (9.5)	0.125 (3.2)	0.025 (0.6) +/- 0.003 (0.1)	1	500	B30-R6700-WT
BBP33	Fig. 20	B33D-500-2-344BK	B-344	Black	8 to 1	0.187 (4.8) - 0.450 (11.4)	0.500 (12.7)	0.119 (3.0)	0.025 (0.6) +/- 0.003 (0.1)	1	350	B30-R6700-WT
BBP33	Fig. 20	B33D-750-2-344BK	B-344	Black	6 to 4/0	0.250 (6.4) - 0.700 (17.8)	0.750 (19.05)	0.250 (6.35)	0.025 (0.6) +/- 0.003 (0.1)	1	250	B30-R6700-WT
BBP33	Fig. 20	B33D-1000-2-344BK	B-344	Black	2 to 0.950 dia	0.333 (8.5) - 0.950 (24.1)	1.000 (25.4)	0.375 (9.5)	0.036 (0.9) +/- 0.003 (0.1)	1	250	B30-R6700-WT
BBP33	Fig. 20	B33D-1500-2-344BK	B-344	Black	n/a	0.500 (12.7) - 1.400 (35.6)	1.500 (38.1)	0.500 (12.7)	0.035 (0.9) +/- 0.003 (0.1)	1	150	B30-R6700-WT

View all BBP<sup>®</sup>33 and BBP<sup>®</sup>33 Print Ribbon parts on page 379.

