

PermaSleeve® Wire Marking Sleeves

B-342 PermaSleeve® PS Polyolefin Wire Marking Sleeves

3:1 heat shrinkable sleeve fits snugly around wire for identification and protection. Fade resistant and flame retardant. Meets the following material and physical property specifications.

- SAE-AMS-DTL-23053/5C (Class 1)
- SAE-AS-81531
- MIL-STD-202
- RoHS Compliant
- UL Recognized
- **Tested per:** ASTM E162 and ASTM E662

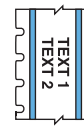


Figure 58

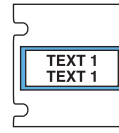


Figure 44



| Diagram | Catalog # | Sleeves Per Roll | Approx. Wire Gauge | Range of Wire Dia. Inch (mm) | | Supplied Diameter Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeve Width Inch (mm) | Rec. Ribbon |
|---|---------------------|------------------|--------------------|------------------------------|----------------|-----------------------------|------------------------------|------------------------------------|------------------------|-------------|
| B-342 PermaSleeve® PS Polyolefin Wire Marking Sleeves | | | | | | | | | | |
| Fig. 44 | M71-94-1-342 | 100 | 28 to 20 | 0.023 (0.6) | - 0.080 (2.0) | 0.094 (2.4) | 0.024 (0.6) | .024 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-94-1-342YL | 100 | 28 to 20 | 0.023 (0.6) | - 0.080 (2.0) | 0.094 (2.4) | 0.024 (0.6) | .024 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | BM71-94-175-342* | 2500 | 28 to 20 | 0.023 (0.6) | - 0.080 (2.0) | 0.094 (2.4) | 0.024 (0.6) | .024 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | BM71-94-175-342YL* | 2500 | 28 to 20 | 0.023 (0.6) | - 0.080 (2.0) | 0.094 (2.4) | 0.024 (0.6) | .024 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-94-175-342 | 100 | 28 to 20 | 0.023 (0.6) | - 0.080 (2.0) | 0.094 (2.4) | 0.024 (0.6) | .024 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-94-175-342YL | 100 | 28 to 20 | 0.023 (0.6) | - 0.080 (2.0) | 0.094 (2.4) | 0.024 (0.6) | .024 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 58 | BM71C-125-342* | 1 Roll (cont.) | 22 to 16 | 0.046 (1.2) | - 0.110 (2.8) | 0.125 (3.2) | 0.047 (1.2) | .020 (0.5) ± .003 (0.07) | 0.235 (6.0) | M71-R4300 |
| Fig. 44 | BM71-125-1-342* | 1000 | 22 to 16 | 0.046 (1.2) | - 0.110 (2.8) | 0.125 (3.2) | 0.047 (1.2) | .020 (0.5) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-125-1-342 | 100 | 22 to 16 | 0.046 (1.2) | - 0.110 (2.8) | 0.125 (3.2) | 0.047 (1.2) | .020 (0.5) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-125-1-342YL | 100 | 22 to 16 | 0.046 (1.2) | - 0.110 (2.8) | 0.125 (3.2) | 0.047 (1.2) | .020 (0.5) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | BM71-125-175-342* | 1000 | 22 to 16 | 0.046 (1.2) | - 0.110 (2.8) | 0.125 (3.2) | 0.047 (1.2) | .020 (0.5) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | BM71-125-175-342YL* | 1000 | 22 to 16 | 0.046 (1.2) | - 0.110 (2.8) | 0.125 (3.2) | 0.047 (1.2) | .020 (0.5) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-125-175-342 | 100 | 22 to 16 | 0.046 (1.2) | - 0.110 (2.8) | 0.125 (3.2) | 0.047 (1.2) | .020 (0.5) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-125-175-342YL | 100 | 22 to 16 | 0.046 (1.2) | - 0.110 (2.8) | 0.125 (3.2) | 0.047 (1.2) | .020 (0.5) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 58 | BM71C-187-342* | 1 Roll (cont.) | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 0.335 (8.5) | M71-R4300 |
| Fig. 44 | BM71-187-1-342* | 100 | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | BM71-187-1-342YL* | 1000 | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-187-1-342 | 100 | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-187-1-342YL | 100 | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | BM71-187-175-342* | 1000 | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | BM71-187-175-342YL* | 1000 | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-187-175-342 | 100 | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-187-175-342YL | 100 | 20 to 10 | 0.062 (1.6) | - 0.150 (3.8) | 0.187 (4.7) | 0.062 (1.6) | .020 (0.5) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 58 | BM71C-250-342* | 1 Roll (cont.) | 16 to 8 | 0.094 (2.4) | - 0.215 (5.5) | 0.250 (6.4) | 0.093 (2.4) | .025 (0.6) ± .003 (0.07) | 0.439 (11.2) | M71-R4300 |
| Fig. 44 | BM71-250-1-342* | 1000 | 16 to 8 | 0.094 (2.4) | - 0.215 (5.5) | 0.250 (6.4) | 0.093 (2.4) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-250-1-342 | 100 | 16 to 8 | 0.094 (2.4) | - 0.215 (5.5) | 0.250 (6.4) | 0.093 (2.4) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-250-1-342YL | 100 | 16 to 8 | 0.094 (2.4) | - 0.215 (5.5) | 0.250 (6.4) | 0.093 (2.4) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | BM71-250-175-342* | 1000 | 16 to 8 | 0.094 (2.4) | - 0.215 (5.5) | 0.250 (6.4) | 0.093 (2.4) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | BM71-250-175-342YL* | 1000 | 16 to 8 | 0.094 (2.4) | - 0.215 (5.5) | 0.250 (6.4) | 0.093 (2.4) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-250-175-342 | 100 | 16 to 8 | 0.094 (2.4) | - 0.215 (5.5) | 0.250 (6.4) | 0.093 (2.4) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-250-175-342YL | 100 | 16 to 8 | 0.094 (2.4) | - 0.215 (5.5) | 0.250 (6.4) | 0.093 (2.4) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 58 | BM71C-375-342* | 1 Roll (cont.) | 12 to 4 | 0.125 (3.2) | - 0.320 (8.1) | 0.375 (9.5) | 0.125 (3.1) | .025 (0.6) ± .003 (0.07) | 0.645 (16.4) | M71-R4300 |
| Fig. 44 | BM71-375-1-342* | 1000 | 12 to 4 | 0.125 (3.2) | - 0.320 (8.1) | 0.375 (9.5) | 0.125 (3.1) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-375-1-342 | 100 | 12 to 4 | 0.125 (3.2) | - 0.320 (8.1) | 0.375 (9.5) | 0.125 (3.1) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-375-1-342YL | 100 | 12 to 4 | 0.125 (3.2) | - 0.320 (8.1) | 0.375 (9.5) | 0.125 (3.1) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | BM71-375-175-342* | 1000 | 12 to 4 | 0.125 (3.2) | - 0.320 (8.1) | 0.375 (9.5) | 0.125 (3.1) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | BM71-375-175-342YL* | 1000 | 12 to 4 | 0.125 (3.2) | - 0.320 (8.1) | 0.375 (9.5) | 0.125 (3.1) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-375-175-342 | 100 | 12 to 4 | 0.125 (3.2) | - 0.320 (8.1) | 0.375 (9.5) | 0.125 (3.1) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-375-175-342YL | 100 | 12 to 4 | 0.125 (3.2) | - 0.320 (8.1) | 0.375 (9.5) | 0.125 (3.1) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 58 | BM71C-500-342* | 1 Roll (cont.) | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 0.851 (21.6) | M71-R4300 |
| Fig. 44 | BM71-500-1-342* | 1000 | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | BM71-500-1-342YL* | 1000 | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-500-1-342 | 100 | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-500-1-342YL | 100 | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | BM71-500-175-342* | 1000 | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | BM71-500-175-342YL* | 1000 | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-500-175-342 | 100 | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-500-175-342YL | 100 | 8 to 1 | 0.187 (4.8) | - 0.450 (11.4) | 0.500 (12.7) | 0.187 (4.7) | .025 (0.6) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-1000-1-342 | 50 | 2 to 0.950 dia. | 0.333 (8.5) | - 0.950 (24.1) | 1.000 (25.4) | 0.375 (9.5) | .036 (0.9) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 44 | M71-1000-1-342YL | 50 | 2 to 0.950 dia. | 0.333 (8.5) | - 0.950 (24.1) | 1.000 (25.4) | 0.375 (9.5) | .036 (0.9) ± .003 (0.07) | 1.015 (25.8) | M71-R4300 |
| Fig. 58 | BM71C-1000-342* | 1 Roll (cont.) | 2 to 0.950 dia. | 0.333 (8.5) | - 0.950 (24.1) | 1.000 (25.4) | 0.375 (9.5) | .036 (0.9) ± .003 (0.07) | 1.660 (42.2) | M71-R4300 |
| Fig. 44 | BM71-1000-175-342* | 500 | 2 to 0.950 dia. | 0.333 (8.5) | - 0.950 (24.1) | 1.000 (25.4) | 0.375 (9.5) | .036 (0.9) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-1000-175-342 | 50 | 2 to 0.950 dia. | 0.333 (8.5) | - 0.950 (24.1) | 1.000 (25.4) | 0.375 (9.5) | .036 (0.9) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |
| Fig. 44 | M71-1000-175-342YL | 50 | 2 to 0.950 dia. | 0.333 (8.5) | - 0.950 (24.1) | 1.000 (25.4) | 0.375 (9.5) | .036 (0.9) ± .003 (0.07) | 1.765 (44.8) | M71-R4300 |

* "B" indicates bulk roll.

Approx. wire gauge based on AWG for THHN wire.