

# PVC

## (Type MW) MIL-W-76C-PVC 1000V, 80°C\*\*

### Product Description

Tinned copper, PVC insulation, medium wall. The extruded PVC insulation is flame and ozone resistant and inert to most chemicals, oils, and solvents. Covers single conductor, PVC insulation hook-up wire for internal wiring of electrical and electronic equipment.

### Solid Conductor



### Stranded Conductor



## (Type B) MIL-W-16878/1-PVC 600V, 105°C\*\*

### Product Description

Tinned copper, PVC insulation. Covers insulated wire for internal wiring of meters, panels, and electrical or electronic equipment. Temperatures to 105°C. For high-temperature MIL-Spec hook-up wire, see pages 3.9 to 3.11.



| Part No.                       | AWG (stranding) | Insulation Thickness |      | Nominal OD |      | Standard Lengths |       | Standard Unit Weight |      | Stock Colors (See Color Codes Chart on Page 3.29) |
|--------------------------------|-----------------|----------------------|------|------------|------|------------------|-------|----------------------|------|---|
|                                |                 | Inch                 | mm   | Inch       | mm   | Ft.              | m     | Lbs.                 | kg   |   |
| <b>1000V, 80°C (MIL-Spec)</b>  |                 |                      |      |            |      |                  |       |                      |      |   |
| <b>(Type MW) MIL-W-76C-PVC</b> |                 |                      |      |            |      |                  |       |                      |      |   |
| 8538                           | 24 (solid)      | .017                 | 0.43 | .055       | 1.40 | 100              | 30.5  | .3                   | .1   | 1-10  |
|                                | MW-C24 (1) A    |                      |      |            |      | 1000*            | 304.8 | 4.0                  | 1.8  | 1-10  |
| 8525                           | 24 (7x32)       | .017                 | 0.43 | .058       | 1.47 | 100              | 30.5  | .3                   | .1   | 1-21  |
|                                | MW-C24 (7) A    |                      |      |            |      | 1000             | 304.8 | 4.0                  | 1.8  | 1-13,* 14-21                                      |
| 8530                           | 22 (solid)      | .017                 | 0.43 | .059       | 1.50 | 100              | 30.5  | .4                   | .2   | 1-13  |
|                                | MW-C22 (1) A    |                      |      |            |      | 1000*            | 304.8 | 4.0                  | 1.8  | 1-13  |
| 8524                           | 22 (7x30)       | .017                 | 0.43 | .064       | 1.63 | 100              | 30.5  | .4                   | .2   | 1-30  |
|                                | MW-C22 (7) A    |                      |      |            |      | 1000             | 304.8 | 5.0                  | 2.3  | 1-13,* 14-30                                      |
| 8529                           | 20 (solid)      | .017                 | 0.43 | .066       | 1.68 | 100              | 30.5  | .7                   | .3   | 1-10, 13  |
|                                | MW-C20 (1) A    |                      |      |            |      | 1000*            | 304.8 | 6.0                  | 2.7  | 1-10, 13  |
| 8523                           | 20 (10x30)      | .017                 | 0.43 | .070       | 1.78 | 100              | 30.5  | .7                   | .3   | 1-24, 27, 29, 30                                  |
|                                | MW-C20 (10) A   |                      |      |            |      | 1000             | 304.8 | 6.0                  | 2.7  | 1-13,* 14-24, 30                                  |
| 8522                           | 18 (16x30)      | .017                 | 0.43 | .080       | 2.03 | 100              | 30.5  | .9                   | .4   | 1-30  |
|                                | MW-C18 (16) A   |                      |      |            |      | 1000             | 304.8 | 8.0                  | 3.6  | 1-13,* 14-24, 26, 28, 30                          |
| 8521                           | 16 (26x30)      | .019                 | 0.48 | .098       | 2.49 | 100              | 30.5  | 1.4                  | .6   | 1-22  |
|                                | MW-C16 (26) A   |                      |      |            |      | 1000             | 304.8 | 12.0                 | 5.5  | 1-13,* 14-22                                      |
| 8520                           | 14 (41x30)      | .018                 | 0.46 | .111       | 2.82 | 100              | 30.5  | 1.9                  | .9   | 1-11, 13-16, 18, 19                               |
|                                | MW-C14 (41) A   |                      |      |            |      | 1000             | 304.8 | 17.0                 | 7.7  | 1-10,* 13,* 14-17, 18, 20                         |
| 8527                           | 12 (65x30)      | .018                 | 0.46 | .128       | 3.25 | 100              | 30.5  | 3.3                  | 1.5  | 1-7, 9, 10  |
|                                | MW-C12 (65) A   |                      |      |            |      | 1000*            | 304.8 | 24.0                 | 10.9 | 1-10  |

\*Stripe colors on stock solid colors. Striping adder of \$8.00/1000 ft. for one or two stripes. 10,000 ft. minimum order for color combination. Put-up will be subject to two pieces ±10% per spool with a minimum length of 100 ft.

\*\*Certification available upon special request.

### 600V, 105°C (MIL-Spec)

| <b>(Type B) MIL-W-16878/1-PVC</b> |            |      |     |      |      |      |       |      |     |                     |
|-----------------------------------|------------|------|-----|------|------|------|-------|------|-----|---------------------|
| 8597                              | 28 (7x36)  | .010 | .25 | .035 | .89  | 100  | 30.5  | .1   | .1  | 1-10                |
|                                   | B-28       |      |     |      |      | 1000 | 304.8 | 1.0  | .5  | 1-10                |
| 8505                              | 26 (7x34)  | .010 | .25 | .039 | .99  | 100  | 30.5  | .2   | .1  | 1-10, 14-22         |
|                                   | B-26       |      |     |      |      | 1000 | 304.8 | 1.0  | .5  | 1-10,* 14-18, 20    |
| 8504                              | 24 (7x32)  | .010 | .25 | .044 | 1.12 | 100  | 30.5  | .2   | .1  | 1-10, 14-22         |
|                                   | B-24       |      |     |      |      | 1000 | 304.8 | 2.0  | .9  | 1-10,* 14-20, 22    |
| 8503                              | 22 (7x30)  | .010 | .25 | .050 | 1.27 | 100  | 30.5  | .3   | .1  | 1-10, 14-22         |
|                                   | B-22       |      |     |      |      | 1000 | 304.8 | 3.0  | 1.4 | 1-10,* 14-22        |
| 8502                              | 20 (7x28)  | .010 | .25 | .058 | 1.47 | 100  | 30.5  | .5   | .2  | 1-10, 14-16, 18-20  |
|                                   | B-20       |      |     |      |      | 1000 | 304.8 | 4.0  | 1.8 | 1-10,* 14-16, 18-20 |
| 8501                              | 18 (7x26)  | .010 | .25 | .068 | 1.73 | 100  | 30.5  | .9   | .4  | 1-10, 14-18, 20-22  |
|                                   | B-18       |      |     |      |      | 1000 | 304.8 | 7.0  | 3.2 | 1-10,* 14-18, 20-22 |
| 8500                              | 16 (19x29) | .010 | .25 | .079 | 2.01 | 100  | 30.5  | 1.2  | .5  | 1-10, 14-22         |
|                                   | B-16       |      |     |      |      | 1000 | 304.8 | 10.0 | 4.5 | 1-10,* 14-22        |

\*Stripe colors on stock solid colors. Striping adder of \$8.00/1000 ft. for one or two stripes. 10,000 ft. minimum order for color combination. Put-up will be subject to two pieces ±10% per spool with a minimum length of 100 ft.

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