

# PVC Insulated material MIL -Spec Hook-Up Wire

## MIL-D-16878/1 Type B (M16878/1)

**Applications:** Military harnessing, power supply lead wire, appliance wiring, and medical electronic devices.

**Conductor:**

Stranded Tinned Copper

**Insulation:**

PVC (Polyvinylchloride) Insulation, .010 Nominal Wall Insulation Thickness.

**Characteristics:**

Rated temperature: 105°C

Rated Voltage: 600V

Passes UL VW-1 Flame Test

RoHS Compliant

**Specification :**

| Military Number | AWG Size | Stranding | Conductor Diameter |       | Insulated Thickness Nominal |      | Finished Wire Diameter |       |       |       |
|-----------------|----------|-----------|--------------------|-------|-----------------------------|------|------------------------|-------|-------|-------|
|                 |          |           |                    |       |                             |      | Min                    |       | Max   |       |
|                 |          |           | Inch               | mm    | Inch                        | mm   | Inch                   | mm    | Inch  | mm    |
| M16878/1BBB*    | 30       | 7/38      | .0120              | 0.305 | .0100                       | 0.25 | .0280                  | 0.711 | .0340 | 0.864 |
| M16878/1BCB*    | 28       | 7/36      | .0150              | 0.381 | .0100                       | 0.25 | .0310                  | 0.787 | .0370 | 0.94  |
| M16878/1BDB*    | 26       | 7/34      | .0190              | 0.483 | .0100                       | 0.25 | .0350                  | 0.889 | .0410 | 1.041 |
| M16878/1BDE*    | 26       | 19/38     | .0210              | 0.533 | .0100                       | 0.25 | .0350                  | 0.889 | .0410 | 1.041 |
| M16878/1BEB*    | 24       | 7/32      | .0240              | 0.61  | .0100                       | 0.25 | .0400                  | 1.016 | .0470 | 1.194 |
| M16878/1BEE*    | 24       | 19/36     | .0260              | 0.66  | .0100                       | 0.25 | .0400                  | 1.016 | .0470 | 1.194 |
| M16878/1BFB*    | 22       | 7/30      | .0300              | 0.762 | .0100                       | 0.25 | .0460                  | 1.168 | .0530 | 1.346 |
| M16878/1BFE*    | 22       | 19/34     | .0320              | 0.813 | .0100                       | 0.25 | .0460                  | 1.168 | .0530 | 1.346 |
| M16878/1BGB*    | 20       | 7/28      | .0380              | 0.965 | .0100                       | 0.25 | .0540                  | 1.372 | .0610 | 1.549 |
| M16878/1BGE*    | 20       | 19/32     | .0410              | 1.041 | .0100                       | 0.25 | .0540                  | 1.372 | .0610 | 1.549 |
| M16878/1BHB*    | 18       | 7/26      | .0490              | 1.245 | .0100                       | 0.25 | .0650                  | 1.651 | .0720 | 1.829 |
| M16878/1BHE*    | 18       | 19/30     | .0510              | 1.295 | .0100                       | 0.25 | .0650                  | 1.651 | .0720 | 1.829 |
| M16878/1BJE*    | 16       | 19/29     | .0590              | 1.499 | .0100                       | 0.25 | .0750                  | 1.905 | .0830 | 2.108 |
| M16878/1BKE*    | 14       | 19/27     | .0720              | 1.829 | .0100                       | 0.25 | .0880                  | 2.235 | .0960 | 2.438 |

