chanhvinh.com



## MIL-W-16878E TYPE B
## 105°C, 600 VOLT

## PVC INSULATION

### CHARACTERISTICS

**OPERATING TEMPERATURE:**
- –55°C to 105°C

**VOLTAGE RATING:**
- 600 Volt

**PRODUCT DESCRIPTION:**
- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded PVC

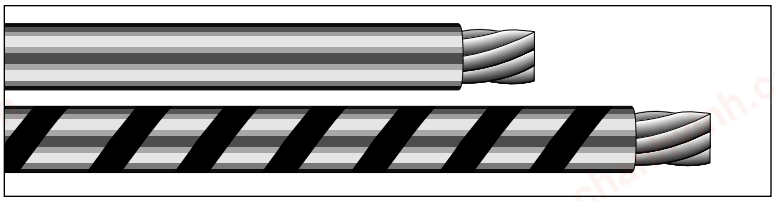
### SPECIFICATIONS

- MIL-W-16878E Type B

Passes VW-1 Flame Test

### AVAILABILITY

- 100 ft (30,5m), 1000 ft (305m) put-ups



| Alpha Part No. | Type Designation | Conductor AWG | Conductor Strand | Insul. Thickness Inches | Insul. Thickness mm | Diameter Inches | Diameter mm | Stock Colors* |
|---|---|---|---|---|---|---|---|---|
| **1850** | B-32 | 32 | 7/40 | 0.010 | 0,25 | 0.028 | 0,71 | 1–6 |
| **1851†** | B-30 | 30 | 7/38 | 0.010 | 0,25 | 0.032 | 0,81 | 1–6 |
| **1852†** | B-28 | 28 | 7/36 | 0.010 | 0,25 | 0.034 | 0,86 | 1–10 |
| **1853†** | B-26 | 26 | 7/34 | 0.010 | 0,25 | 0.038 | 0,96 | 1–19 |
| **1854†** | B-24 | 24 | 7/32 | 0.010 | 0,25 | 0.043 | 1,09 | 1–19 |
| **1854/19** | B-24 | 24 | 19/36 | 0.010 | 0,25 | 0.043 | 1,09 | 1–19 |
| **1855†** | B-22 | 22 | 7/30 | 0.010 | 0,25 | 0.050 | 1,27 | 1–19 |
| **1855/19** | B-22 | 22 | 19/34 | 0.010 | 0,25 | 0.050 | 1,27 | 1–19 |
| **1856†** | B-20 | 20 | 7/28 | 0.010 | 0,25 | 0.058 | 1,47 | 1–19 |
| **1856/19** | B-20 | 20 | 19/32 | 0.010 | 0,25 | 0.058 | 1,47 | 1–19 |
| **1857** | B-18 | 18 | 7/26 | 0.010 | 0,25 | 0.068 | 1,73 | 1–19 |
| **1857/19** | B-18 | 18 | 19/30 | 0.010 | 0,25 | 0.068 | 1,73 | 1–19 |
| **1858/19** | B-16 | 16 | 19/29 | 0.010 | 0,25 | 0.077 | 1,96 | 1–19 |
| **1859/19** | B-14 | 14 | 19/27 | 0.010 | 0,25 | 0.091 | 2,31 | 1–10 |

† Also meets MIL-W-76B Type LW
*See color chart below



## UL 1015, CSA TEW-105
## 105°C, 600 VOLT

## PVC INSULATION

### CHARACTERISTICS

**OPERATING TEMPERATURE:**
- –20°C to 105°C

**VOLTAGE RATING:**
- 600 Volt

**PRODUCT DESCRIPTION:**
- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded PVC

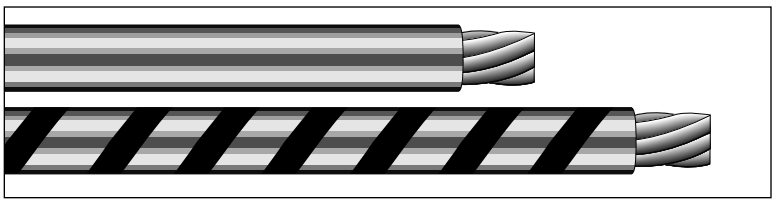
### SPECIFICATIONS

- UL AWM Style 1015
- CSA TEW-105

Recognized Component — Underwriters Laboratories Inc.
Passes UL VW-1 Flame Test — Underwriters Laboratories Inc.
Certified — Canadian Standards Association

### AVAILABILITY

- 100 ft (30,5m), 1000 ft (305m) put-ups



| Alpha Part No. | Conductor AWG | Conductor Strand | Insul. Thickness Inches | Insul. Thickness mm | Diameter Inches | Diameter mm | Stock Colors* |
|---|---|---|---|---|---|---|---|
| **3070** | 24 | 7/32 | 0.032 | 0,81 | 0.088 | 2,24 | 1–10+28 |
| **3071** | 22 | 7/30 | 0.032 | 0,81 | 0.094 | 2,38 | 1–10+28,29 |
| **3073** | 20 | 10/30 | 0.032 | 0,81 | 0.100 | 2,54 | 1–10+28 |
| **3075** | 18 | 16/30 | 0.032 | 0,81 | 0.112 | 2,85 | 1–10+28,29 |
| **3077** | 16 | 26/30 | 0.032 | 0,81 | 0.124 | 3,14 | 1–10+28,29 |
| **3079** | 14 | 41/30 | 0.032 | 0,81 | 0.134 | 3,61 | 1–10+28,29 |
| **3080** | 12 | 65/30 | 0.032 | 0,81 | 0.162 | 3,93 | 1–4 |
| **3081** | 10 | 105/30 | 0.032 | 0,81 | 0.180 | 4,83 | 1–4 |

*See color chart below

***STOCK COLOR CHART**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1–White | 3–Red | 5–Yellow | 7–Brown | 9–Gray | 11–White/Black | 13–White/Green | 15–White/Blue | 17–White/Orange | 19–White/Violet | 29–Yellow/Green |
| 2–Black | 4–Green | 6–Blue | 8–Orange | 10–Violet (purple) | 12–White/Red | 14–White/Yellow | 16–White/Brown | 18–White/Gray | 28–Green/Yellow | 30–Pink |

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