

# PVC

## UL AWM Style 1061 300V, 80°C (CSA AWM)

### Product Description

Tinned copper, semi-rigid PVC insulated (solid conductors suitable for wire wrap applications).

#### Solid Conductor



#### Stranded Conductor



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>300V, 80°C (UL &amp; CSA)</b>										
<b>UL AWM Style 1061 • CSA AWM</b>										
9978	30 (solid)	.010	.25	.030	.76	100	30.5	.1	.05	1-5, 7-10, 13
						1000	304.8	1.0	.50	1-5, 7-10, 13
9987	30 (7x38)	.010	.25	.032	.81	100	30.5	.1	.05	2, 7-10
						1000	304.8	3.0	1.40	2, 7-10
9977	28 (solid)	.010	.25	.033	.84	100	30.5	.1	.05	1-5, 7-10, 13
						1000	304.8	1.0	.50	1-5, 7-10, 13
9986	28 (7x36)	.010	.25	.035	.89	100	30.5	.1	.05	1-5, 7-10, 13
						1000	304.8	3.0	1.40	1-5, 7-10, 13
						10000	3048.0	10.0	4.50	1-5, 7-10, 13
9976	26 (solid)	.010	.25	.036	.91	100	30.5	.2	.10	1-5, 7-10, 13
						1000	304.8	2.0	.90	1-5, 7-10, 13
9985	26 (7x34)	.010	.25	.039	.99	100	30.5	.2	.10	1-5, 7-10, 13
						1000	304.8	2.0	.90	1-5, 7-10, 13
						5000	1524.0	10.0	4.50	1-5, 7-10, 13
						10000	3048.0	20.0	9.10	1-5, 7-10, 13
9975	24 (solid)	.010	.25	.040	1.02	100	30.5	.2	.10	1-5, 7-10, 13
						1000	304.8	4.0	1.80	1-5, 7-10, 13
						5000	1524.0	10.0	4.50	1-5, 7-10, 13
						10000	3048.0	20.0	9.10	1-5, 7-10, 13
9984	24 (7x32)	.010	.25	.044	1.12	100	30.5	.2	.10	1-5, 7-10, 13
						1000	304.8	3.0	1.40	1-5, 7-10, 13
						5000	1524.0	10.0	4.50	1-5, 7-10, 13
						10000	3048.0	20.0	9.10	1-5, 7-10, 13
9979	22 (solid)	.010	.25	.047	1.19	1000	304.8	4.0	1.80	1-5, 7-10, 13
						5000	1524.0	15.0	6.80	1-5, 7-10, 13
						10000	3048.0	30.0	13.60	1-5, 7-10, 13
9983	22 (7x30)	.010	.25	.050	1.27	100	30.5	.3	.10	1-5, 7-10, 13
						1000	304.8	4.0	1.80	1-5, 7-10, 13
						5000	1524.0	15.0	6.80	1-5, 7-10, 13
						10000	3048.0	30.0	13.60	1-5, 7-10, 13
9982	20 (7x28)	.010	.25	.057	1.45	100	30.5	.5	.20	1-5, 7-10, 13
						1000	304.8	5.0	2.30	1-5, 7-10, 13
						5000	1524.0	25.0	11.40	1-5, 7-10, 13
9917	20 (10x30)	.010	.25	.056	1.42	1000	304.8	5.0	2.30	1-5, 7-10, 13
						5000	1524.0	20.0	9.10	1-5, 7-10, 13
9911	18 (16x30)	.010	.25	.067	1.70	1000	304.8	7.0	3.20	1-5, 7-10, 13
						5000	1524.0	35.0	15.90	1-5, 7-10, 13
9981	18 (19x30)	.010	.25	.066	1.68	100	30.5	.8	.40	1-5, 7-10, 13
						1000	304.8	7.0	3.20	1-5, 7-10, 13
9980	16 (19x28)	.010	.25	.078	1.98	100	30.5	1.3	.60	1-5, 7-10, 13
						1000	304.8	12.0	5.50	1-5, 7-10, 13
9909	16 (26x30)	.010	.25	.080	2.03	100	30.5	1.2	.50	1-5, 7-10, 13
						1000	304.8	12.0	5.50	1-5, 7-10, 13
						5000	1524.0	50.0	22.70	1-5, 7-10, 13



# PVC

## UL AWM Style 1007 300V, 80°C

(JQA-F-)  
VW-1

### Product Description

Tinned copper, PVC insulated. Rated 80°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.



## UL and CSA Dual-Rated Wire

UL AWM Style 1007 — 300V, 80°C  
(CSA Type TR-64, 90°C)

UL AWM Style 1569 — 300V, 105°C  
(CSA Type TRSR-64, 105°C)

(JQA-F- [except 9989])  
VW-1

### Product Description

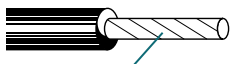
Tinned copper, PVC insulated. Rated 105°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.



## UL AWM Style 1007 300V, 80°C

(CSA Type TR-64, 90°C)  
(JQA-F-)  
VW-1

Recommended maximum baking cycles:  
24 hours @ 300°F (149°C)



Stranded tinned copper conductor  
(Uni-Strand™)

Part No.	AWG (stranding) [sq. mm] (stranding in mm)	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	

### 300V, 80°C (UL)

UL AWM Style 1007 • JQA-F-										
9930	30 (7x38)	.015	.38	.044	1.12	100	30.5	.2	.1	1-5, 7-10, 13
						1000	304.8	2.0	.9	1-5, 7-10, 13

### Dual-Rated • 300V, 80°C and 300V, 105°C (UL & CSA)

UL AWM Style 1007 and 1569 • CSA Types TR-64 and TRSR-64 • JQA-F-										
9928	28 (7x36)	.015	.38	.047	1.19	100	30.5	.2	.1	1-5, 7, 9, 10, 13
						1000	304.8	2.0	.9	1-5, 7-10, 13
						5000	1524.0	10.0	4.5	1-5, 7-10, 13
9926	26 (7x34)	.015	.38	.051	1.30	100	30.5	.2	.1	1-5, 7-10, 13
						1000	304.8	3.0	1.4	1-5, 7-10, 13
						5000	1524.0	10.0	4.5	1-5, 7-10, 13
9923	24 (7x32)	.015	.38	.056	1.42	100	30.5	.3	.1	1-5, 7-10, 13
						1000	304.8	4.0	1.8	1-5, 7-10, 13
						5000	1524.0	15.0	6.8	1-5, 7-10, 13
9921	22 (7x30)	.015	.38	.062	1.57	100	30.5	.4	.2	1-10, 13
						1000	304.8	5.0	2.3	1-10, 13
						5000	1524.0	20.0	9.1	1-10, 13
9919	20 (7x28)	.015	.38	.069	1.75	100	30.5	.7	.3	1-5, 7-10, 13
						1000	304.8	6.0	2.7	1-5, 7-10, 13
9920	20 (10x30)	.015	.38	.067	1.70	1000	304.8	6.0	2.7	1-10, 13
						5000	1524.0	25.0	11.4	1-10, 13
9918	18 (16x30)	.015	.38	.079	2.01	100	30.5	.9	.4	1-10, 13
						1000	304.8	8.0	3.6	1-10, 13
						5000	1524.0	40.0	18.2	1-10, 13
9916	16 (26x30)	.015	.38	.092	2.34	100	30.5	1.3	.6	1-5, 7-10, 13
						1000	304.8	12.0	5.5	1-5, 7-10, 13
						5000	1524.0	55.0	25.0	1-5, 7-10, 13
UL AWM Style 1569 • CSA Type TR-64 and TRSR-64										
9989	14 (41x30)	.015	.38	.110	2.79	1000	304.8	17.0	7.7	1-5, 7-10, 13
						5000	1524.0	85.0	38.6	1-5, 7-10, 13

### 300V, 80°C (UL) • 300V, 90°C (CSA)

UL AWM Style 1007 • CSA Type TR-64 • JQA-F-										
32822	22 (7x30) [.36 (7x.25)]	.015	.38	.062	1.58	5000 <sup>†</sup>	1524.0	25.0	11.4	1-5, 7-9, 10, 13
						32820	20 (7x28) [.56 (7x.32)]	.015	.38	.068

<sup>†</sup>Spools may contain more than one piece. Length may vary ±10% from length shown.



# PVC

## UL AWM Style 1015 600V, 105°C

(CSA Type TEW)  
(JQA-F-)

VW-1

### Product Description

Tinned copper, PVC insulated. Rated 105°C, 600V. Rated 2500V peak for electronic circuits, and internal wiring of electronic and electrical equipment.



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	

### 600V, 105°C (UL & CSA)

#### UL AWM Style 1015 • CSA Type TEW • JQA-F-

9924	24 (7x32)	.030	.76	.088	2.24	100	30.5	.7	.3	1-5, 9, 10, 13
						1000	304.8	6.0	2.7	1-5, 7-10, 13
						5000	1524.0	25.0	11.4	1-5, 7-10, 13
8920	22 (7x30)	.030	.76	.093	2.36	100	30.5	.8	.4	1-5, 9, 10, 13
						1000	304.8	7.0	3.2	1-5, 7-10, 13
						5000	1524.0	30.0	13.6	1-5, 7-10, 13
8919	20 (10x30)	.030	.76	.100	2.54	100	30.5	.9	.4	1-5, 9, 10, 13
						1000	304.8	8.0	3.6	1-5, 7-10, 13
						5000	1524.0	40.0	18.2	1-5, 7-10, 13
8918	18 (16x30)	.030	.76	.110	2.79	100	30.5	1.2	.5	1-5, 9, 10, 13, 189
						1000	304.8	10.0	4.5	1-5, 7-10, 13, 189
						5000	1524.0	50.0	22.7	1-5, 7-10, 13
8915	18 (solid)	.030	.76	.105	2.67	1000	304.8	10.0	4.5	1-5, 7-10, 13
						5000	1524.0	50.0	22.7	1-5, 7-10, 13
8917	16 (26x30)	.030	.76	.123	3.12	100	30.5	2.2	1.0	1-5, 9, 10, 13, 189
						500	152.4	8.0	3.6	1-5, 9, 10, 13
						1000	304.8	14.0	6.4	1-5, 7-10, 13, 189
8916	14 (41x30)	.030	.76	.138	3.51	5000	1524.0	70.0	31.8	1-5, 7-10, 13
						100	30.5	2.8	1.3	1-5, 7-10, 13, 189
						500	152.4	10.5	4.8	1-5, 7-10, 13, 189
9912	12 (65x30)	.030	.76	.158	4.01	4000	1219.2	80.0	36.4	1-5, 7-10, 13
						100	30.5	3.7	1.7	1-5, 7-10, 13
						250	76.2	7.8	3.5	1-5, 7-10, 13
9910	10 (65x28)	.030	.76	.180	4.57	2000	609.6	60.0	27.3	1-5, 7-10, 13
						100	30.5	5.1	2.3	2, 4, 9, 10
						250	76.2	11.8	5.3	2, 4, 9, 10
8910	10 (105x30)	.030	.76	.186	4.72	2000	609.6	86.0	39.1	2, 9, 10
						500	152.4	23.5	10.7	1-5, 7-10, 13
						2000	609.6	92.0	41.8	1-5, 7-10, 13

## UL AWM Style 1015 600V, 105°C

(CSA Type TEW)  
(JQA-F-)

VW-1

### Product Description

Uni-Strand® conductors.

**Recommended maximum baking cycles:**  
48 hours @ 275°F (135°C) • 24 hours @ 300°F (149°C)



Stranded tinned copper conductor (Uni-Strand®)

Part No.	AWG (stranding) [sq. mm] (stranding in mm)	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	

### 600V, 105°C (UL & CSA)

#### UL AWM Style 1015 • CSA Type TEW • JQA-F-

32722	22 (7x30) [.36 (7x.25)]	.030	.76	.093	2.36	5000	1524.0	30.0	13.6	2, 4, 8, 9, 10, 13
						32720	20 (7x28) [.56 (7x.32)]	.030	.76	.099
32718	18 (7x26) [.90 (7x.40)]	.030	.76	.108	2.74	4000	1219.2	44.0	20.0	2-5, 7, 9, 10, 13



# PVC

## UL AWM Style 1028 and 1015 600V, 105°C

(CSA Type TEW)

VW-1

### Product Description

Tinned copper, PVC insulated.



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	

### 600V, 105°C (UL & CSA)

UL AWM Style 1028 and 1015 • CSA Type TEW										
9908	8 (84x27)	.045	1.14	.250	6.35	100	30.5	8.4	3.8	2, 4, 9, 10
						250	76.2	19.0	8.7	2, 4, 9, 10
8908	8 (133x29)	.045	1.14	.262	6.65	250	76.2	20.0	9.1	1-5, 7-10, 13
						1500	457.2	114.0	51.8	2-5, 7-10, 13

### 600V, 105°C (UL & CSA)

UL AWM Style 1283 and 1015 • CSA Type TEW										
9906	6 (133x27)	.060	1.52	.331	8.41	100	30.5	13.5	6.1	1-5, 7-10, 13
						1000	304.8	122.0	55.5	1-5, 7-10, 13
9904	4 (133x25)	.060	1.52	.392	9.96	50	15.2	11.2	5.1	1-5, 7-10, 13
						500	152.4	100.5	45.7	1-5, 7-10, 13

## UL AWM Style 1283 and 1015 600V, 105°C

(CSA Type TEW)

VW-1

### Product Description

Tinned copper, PVC insulated.



# PVC

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

### Product Description

Tinned copper, PVC insulated, medium wall. The extruded PVC insulation is flame and ozone resistant and inert to most chemicals, oils, and solvents. Covers single conductor, PVC insulated 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 insulated. 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	1-13
	MW-C24 (1) A					1000	304.8	3.0	1.4	1-10
8525	24 (7x32)	.017	0.43	.058	1.47	100	30.5	.3	.1	1-22
	MW-C24 (7) A					1000	304.8	4.0	1.8	1-22
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	1-22, 24-30
	MW-C22 (7) A					1000	304.8	5.0	2.3	1-30
8529	20 (solid)	.017	0.43	.066	1.68	100	30.5	.7	.3	1-10, 12, 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	1-25, 27, 29, 30
	MW-C20 (10) A					1000	304.8	6.0	2.7	1-24, 29, 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	1-30
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	1-22
8520	14 (41x30)	.018	0.46	.111	2.82	100	30.5	1.9	.9	1-11, 13-16, 18, 19, 22
	MW-C14 (41) A					1000	304.8	17.0	7.7	1-10, 13-22
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	25.0	11.4	1-10

\*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	.05	1-10
	B-28					1000	304.8	1.0	.50	1-10
8505	26 (7x34)	.010	.25	.039	.99	100	30.5	.2	.10	1-10, 14-22
	B-26					1000	304.8	4.0	1.80	1-10, 14-22
8504	24 (7x32)	.010	.25	.044	1.12	100	30.5	.2	.10	1-10, 14-22
	B-24					1000	304.8	3.0	1.40	1-10, 14-22
8503	22 (7x30)	.010	.25	.050	1.27	100	30.5	.3	.10	1-10, 14-22
	B-22					1000	304.8	4.0	1.80	1-10, 14-22
8502	20 (7x28)	.010	.25	.058	1.47	100	30.5	.5	.20	1-10, 14-16, 18-20
	B-20					1000	304.8	5.0	2.30	1-10, 14-16, 18-20
8501	18 (7x26)	.010	.25	.068	1.73	100	30.5	.9	.40	1-10, 14-22
	B-18					1000	304.8	8.0	3.60	1-10, 14-22
8500	16 (19x29)	.010	.25	.079	2.01	100	30.5	1.2	.50	1-10, 14-22
	B-16					1000	304.8	11.0	5.00	1-10, 14-22

\*Certification available upon special request.



# PVC

## Hook-Up Wire on Racks

### Wire Dispenser Kits

#### Product Description

Great for R and D labs, engineers, servicemen and hobbyists.

Specify Part No. 8800 for Rack only.



Part No.	No. of Spools	Type of Wire (Part No.)	Temp. Rating	AWG (stranding)	Spool Lengths		Standard Unit Weight		Colors in Kits (See Color Codes Chart on Page 3.29)
					Ft.	m	Lbs.	kg	
<b>Wire Dispenser Kits</b>									
<b>Hook-Up Wire on Racks</b>									
<b>8816</b>	8	Tinned PVC (8522)	80°C	18 (16x30)	25	7.6	2.5	1.1	1,2,3,4,5,6,9,10
<b>8824</b>	8	Tinned PVC (8523)	80°C	20 (10x30)	25	7.6	2.1	1.0	1,2,3,4,5,6,9,10
<b>8825</b>	5	Tinned PVC (8502)	105°C	20 (7x28)	100	30.5	3.1	1.4	2,4,5,9,10
<b>9531</b>	5	Tinned PVC (8524)	80°C	22 (7x30)	100	30.5	2.7	1.2	2,5,6,9,10



# Teflon®

## High-Temperature

**UL AWM Style 1180**  
**300V, 200°C**  
 (Type EE) MIL-W-16878/5  
 Teflon — 1000V, 200°C

VW-1

### Product Description

Stranded silver-coated copper conductor insulated with extruded TFE Teflon.



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>300V, 200°C (UL) • 1000V, 200°C (MIL-Spec)</b>										
<b>UL AWM Style 1180 • (Type EE) MIL-W-16878/5 — Teflon</b>										
83023*	24 (19x36)	.015	.38	.053	1.35	100 <sup>†</sup>	30.5	.4	.2	1-10
						500 <sup>†</sup>	152.4	3.0	1.4	2, 4, 5, 9, 10
						1000 <sup>†</sup>	304.8	4.0	1.8	1-10
83025	22 (7x30)	.015	.38	.060	1.52	100 <sup>†</sup>	30.5	.5	.2	1-7, 9, 10
						500 <sup>†</sup>	152.4	3.0	1.4	2, 9, 10
						1000 <sup>†</sup>	304.8	5.0	2.3	1-7, 9, 10
83026*	22 (19x34)	.015	.38	.059	1.50	100 <sup>†</sup>	30.5	.5	.2	1-10
						500 <sup>†</sup>	152.4	3.0	1.4	2, 9, 10
						1000 <sup>†</sup>	304.8	5.0	2.3	1-10
83027*	20 (19x32)	.015	.38	.068	1.73	100 <sup>†</sup>	30.5	.8	.4	1-10
						500 <sup>†</sup>	152.4	4.0	1.8	2, 9, 10
						1000 <sup>†</sup>	304.8	7.0	3.2	1-10
83028	20 (7x28)	.015	.38	.068	1.73	100 <sup>†</sup>	30.5	.8	.4	1-10
						500 <sup>†</sup>	152.4	4.0	1.8	2, 9, 10
						1000 <sup>†</sup>	304.8	7.0	3.2	1-10
83029*	18 (19x30)	.015	.38	.077	1.96	100 <sup>†</sup>	30.5	1.1	.5	1-10
						500 <sup>†</sup>	152.4	5.5	2.5	2, 5, 6, 9, 10
						1000 <sup>†</sup>	304.8	10.0	4.5	1-10
83030*	16 (19x29)	.015	.38	.088	2.24	100 <sup>†</sup>	30.5	1.3	.6	1-10
						500 <sup>†</sup>	152.4	6.5	3.0	2, 9, 10
						1000 <sup>†</sup>	304.8	13.0	5.9	1-10

\*Complies with MIL-W-16878 except stranding.

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

