

# ALPHA WIRE Hook-up Wire



Cables you trust. Service you deserve.

## UL1007 PVC INSULATION

COLOR CODE CHART  
Colors = Ordering Suffix



This product is RoHS compliant.

White=01	Black=02	Red=03	Green=04	Yellow=05	Blue=06	Brown=07
Orange=08	Gray=09	Violet=10	White/Black=11	White/Red=12	White/Green=13	White/Yellow=14
White/Blue=15	White/Brown=16	White/Orange=17	White/Gray=18	White/Violet=19	Green/Yellow=28	Pink=30

• Temperature Voltage: -40°C to 105°C (UL AWM 1007) • Voltage Rating: 300V

Alpha Part No.	Conductor		Nominal O.D. (in.)	MOUSER STOCK NO.	Pool Price		MOUSER STOCK NO.	Pool Price	
	AWG	Strand			1	5		1	5
<b>Solid Conductor</b>									
3050/1	24	Solid	0.057	602-3050/1-100-__			602-3050/1-1000-__		
3051/1	22	Solid	0.065	602-3051/1-100-__			602-3051/1-1000-__		
3053/1	20	Solid	0.071	602-3053/1-100-__			602-3053/1-1000-__		
3055/1	18	Solid	0.080	602-3055/1-100-__			602-3055/1-1000-__		
3057/1	16	Solid	0.095	602-3057/1-100-__			602-3057/1-1000-__		
<b>Stranded Conductor</b>									
3047	30	7/38	0.043	602-3047-100-__			602-3047-1000-__		
3048	28	7/36	0.047	602-3048-100-__			602-3048-1000-__		
3049	26	7/34	0.051	602-3049-100-__			602-3049-1000-__		
3050	24	7/32	0.057	602-3050-100-__			602-3050-1000-__		
3051	22	7/30	0.065	602-3051-100-__			602-3051-1000-__		
3053	20	10/30	0.071	602-3053-100-__			602-3053-1000-__		
3055	18	16/30	0.080	602-3055-100-__			602-3055-1000-__		
3057	16	26/30	0.095	602-3057-100-__			602-3057-1000-__		

## UL1015 PVC INSULATION

• Temperature Voltage: -20°C to 105°C • Voltage Rating: 600V

Alpha Part No.	Conductor		Nominal O.D. (in.)	MOUSER STOCK NO.	Pool Price		MOUSER STOCK NO.	Pool Price	
	AWG	Strand			1	5		1	5
<b>Solid Conductor</b>									
3070	24	7/32	0.088	602-3070-100-__			602-3070-1000-__		
3071	22	7/30	0.094	602-3071-100-__			602-3071-1000-__		
3073	20	10/30	0.100	602-3073-100-__			602-3073-1000-__		
3075	18	16/30	0.112	602-3075-100-__			602-3075-1000-__		
3077	16	26/30	0.124	602-3077-100-__			602-3077-1000-__		
3079	14	41/30	0.134	602-3079-100-__			602-3079-1000-__		
3080	12	65/30	0.162	602-3080-100-__			602-3080-1000-__		
3081	10	105/30	0.180	602-3081-100-__			602-3081-1000-__		

## UL1429 SOLDER IRON RESISTANT IRRADIATED PVC INSULATION

• Operating Temperature: -55°C to 105°C (CSA AWM I A/B FT1) -55°C to 105°C (MIL-W-16878E); -55°C to 80°C (UL AWM 1429)

Alpha Part No.	Conductor		Nominal O.D. (in.)	MOUSER STOCK NO.	Pool Price		MOUSER STOCK NO.	Pool Price	
	AWG	Strand			1	5		1	5
<b>Solid Conductor</b>									
7053	26	7/34	0.040	602-7053-100-__			602-7053-1000-__		
7054	24	7/32	0.045	602-7054-100-__			602-7054-1000-__		
7055	22	7/30	0.051	602-7055-100-__			602-7055-1000-__		
7056	20	7/28	0.059	602-7056-100-__			602-7056-1000-__		
7057	18	7/26	0.070	602-7057-100-__			602-7057-1000-__		

## MIL-W-16878E PVC INSULATION

• Temperature Voltage: -55°C to 105°C • Voltage Rating: 600V

Alpha Part No.	Conductor		Nominal O.D. (in.)	MOUSER STOCK NO.	Pool Price		MOUSER STOCK NO.	Pool Price	
	AWG	Strand			1	5		1	5
<b>Stranded Conductor</b>									
1850	32	7/40	0.028	602-1850-100-__			602-1850-1000-__		
1852	28	7/36	0.034	602-1852-100-__			602-1852-1000-__		
1853	26	7/34	0.038	602-1853-100-__			602-1853-1000-__		
1854	24	7/32	0.043	602-1854-100-__			602-1854-1000-__		
1854/19	24	19/36	0.043	602-1854/19-100-__			602-1854/19-1000-__		
1855	22	7/30	0.050	602-1855-100-__			602-1855-1000-__		
1855/19	22	19/34	0.050	602-1855/19-100-__			602-1855/19-1000-__		
1856	20	7/28	0.058	602-1856-100-__			602-1856-1000-__		
1856/19	20	19/32	0.058	602-1856/19-100-__			602-1856/19-1000-__		
1857	18	7/26	0.068	602-1857-100-__			602-1857-1000-__		
1857/19	18	19/30	0.068	602-1857/19-100-__			602-1857/19-1000-__		
1858/19	16	19/29	0.077	602-1858/19-100-__			602-1858/19-1000-__		
1859/19	14	19/27	0.091	602-1859/19-100-__			602-1859/19-1000-__		

## MIL-W-16878E TFE TEFLON® INSULATION

• Voltage Rating: 250V • Temp. Voltage: -60°C to 200°C

Alpha Part No.	Conductor		Nominal O.D. (in.)	MOUSER STOCK NO.	Pool Price		MOUSER STOCK NO.	Pool Price	
	AWG	Strand			1	5		1	5
<b>Solid Conductor</b>									
2840/7	32	7/40	0.021	602-2840/7-100-__			602-2840/7-1000-__		
2841/7	30	7/38	0.024	602-2841/7-100-__			602-2841/7-1000-__		
2841/1	30	Solid	0.022	602-2841/1-100-__			602-2841/1-1000-__		
2842/7	28	7/36	0.027	602-2842/7-100-__			602-2842/7-1000-__		
2842/1	28	Solid	0.025	602-2842/1-100-__			602-2842/1-1000-__		
2842/19	28	19/40	0.027	602-2842/19-100-__			602-2842/19-1000-__		
2843/7	26	7/34	0.031	602-2843/7-100-__			602-2843/7-1000-__		
2843/19	26	19/38	0.032	602-2843/19-100-__			602-2843/19-1000-__		
2843/1	26	Solid	0.028	602-2843/1-100-__			602-2843/1-1000-__		
2844/7	24	7/32	0.036	602-2844/7-100-__			602-2844/7-1000-__		
2844/19	24	19/36	0.037	602-2844/19-100-__			602-2844/19-1000-__		
2845/7	22	7/30	0.042	602-2845/7-100-__			602-2845/7-1000-__		
2845/19	22	19/34	0.044	602-2845/19-100-__			602-2845/19-1000-__		

## UL 1213 TFE TEFLON® INSULATION

• Temperature Voltage: -60°C to 200°C (UL 105°C) • Voltage Rating: 600V

Alpha Part No.	Conductor		Nominal O.D. (in.)	MOUSER STOCK NO.	Pool Price		MOUSER STOCK NO.	Pool Price	
	AWG	Strand			1	5		1	5
<b>Solid Conductor</b>									
2853/1	26	---	0.036	602-2853/1-100-__			602-2853/1-1000-__		
2854/1	24	---	0.040	602-2854/1-100-__			602-2854/1-1000-__		
2855/1	22	---	0.045	602-2855/1-100-__			602-2855/1-1000-__		
2856/1	20	---	0.052	602-2856/1-100-__			602-2856/1-1000-__		
2857/1	18	---	0.060	602-2857/1-100-__			602-2857/1-1000-__		
<b>Stranded Conductor</b>									
5851	30	7/38	0.032	602-5851-100-__			602-5851-1000-__		
5852	28	7/36	0.036	602-5852-100-__			602-5852-1000-__		
5853	26	7/34	0.040	602-5853-100-__			602-5853-1000-__		
5853/19	26	19/38	0.041	602-5853/19-100-__			602-5853/19-1000-__		
5854	24	19/36	0.045	602-5854-100-__			602-5854-1000-__		
5854/7	24	7/32	0.044	602-5854/7-100-__			602-5854/7-1000-__		
5855	22	19/34	0.051	602-5855-100-__			602-5855-1000-__		
5855/7	22	7/30	0.055	602-5855/7-100-__			602-5855/7-1000-__		
5856	20	19/32	0.059	602-5856-100-__			602-5856-1000-__		
5856/7	20	7/28	0.058	602-5856/7-100-__			602-5856/7-1000-__		
5857	18	19/30	0.070	602-5857-100-__			602-5857-1000-__		
5858	16	19/29	0.077	602-5858-100-__			602-5858-1000-__		
5859	14	19/27	0.094	602-5859-100-__			602-5859-1000-__		

## UL 1180 TFE TEFLON® INSULATION

• Voltage Rating: 1000V • Temperature Voltage: -60°C to 200°C

Alpha Part No.	Conductor		Nominal O.D. (in.)	MOUSER STOCK NO.	Pool Price		MOUSER STOCK NO.	Pool Price	
	AWG	Strand			1	5		1	5
<b>Stranded Conductor</b>									
5874	24	19/36	0.052	602-5874-100-__			602-5874-1000-__		
5875	22	19/34	0.059	602-5875-100-__			602-5875-1000-__		
5876	20	19/32	0.067	602-5876-100-__			602-5876-1000-__		
5877	18	19/30	0.078	602-5877-100-__			602-5877-1000-__		

