

ALPHA WIRE Hook-up Wire



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.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
Solid Conductor									
3050/1	24	Solid	0.057	602-3050/1-100-__	20.75	19.43	602-3050/1-1000-__	90.29	86.24
3051/1	22	Solid	0.065	602-3051/1-100-__	20.31	18.36	602-3051/1-1000-__	94.27	90.05
3053/1	20	Solid	0.071	602-3053/1-100-__	29.45	27.16	602-3053/1-1000-__	119.69	114.33
3055/1	18	Solid	0.080	602-3055/1-100-__	38.22	34.89	602-3055/1-1000-__	141.84	135.49
3057/1	16	Solid	0.095	602-3057/1-100-__	47.54	44.52	602-3057/1-1000-__	211.65	202.17
Stranded Conductor									
3047	30	7/38	0.043	602-3047-100-__	25.46	22.53	602-3047-1000-__	115.87	105.80
3048	28	7/36	0.047	602-3048-100-__	22.88	19.94	602-3048-1000-__	113.35	98.85
3049	26	7/34	0.051	602-3049-100-__	24.69	21.91	602-3049-1000-__	108.77	103.90
3050	24	7/32	0.057	602-3050-100-__	25.41	23.80	602-3050-1000-__	110.13	105.20
3051	22	7/30	0.065	602-3051-100-__	28.64	24.99	602-3051-1000-__	125.98	115.93
3053	20	10/30	0.071	602-3053-100-__	34.75	29.34	602-3053-1000-__	159.85	147.21
3055	18	16/30	0.080	602-3055-100-__	38.22	34.89	602-3055-1000-__	189.55	174.47
3057	16	26/30	0.095	602-3057-100-__	57.80	49.51	602-3057-1000-__	283.54	260.39

UL1015 PVC INSULATION

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

Alpha Part No.	Conductor		Nominal O.D. (in.)	MOUSER STOCK NO.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
Solid Conductor									
3070	24	7/32	0.088	602-3070-100-__	28.73	25.42	602-3070-1000-__	135.39	128.52
3071	22	7/30	0.094	602-3071-100-__	32.15	28.82	602-3071-1000-__	110.25	102.21
3073	20	10/30	0.100	602-3073-100-__	38.02	36.21	602-3073-1000-__	184.24	175.99
3075	18	16/30	0.112	602-3075-100-__	52.21	46.20	602-3075-1000-__	244.16	233.23
3077	16	26/30	0.124	602-3077-100-__	67.00	59.30	602-3077-1000-__	352.54	336.75
3079	14	41/30	0.134	602-3079-100-__	89.70	79.39	602-3079-1000-__	419.63	397.87
3080	12	65/30	0.162	602-3080-100-*	163.68	155.74	602-3080-1000-__	928.28	886.64
3081	10	105/30	0.180	602-3081-100-*	277.04	243.96	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.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
Solid Conductor									
7053	26	7/34	0.040	602-7053-100-__	25.43	24.04	602-7053-1000-__	156.67	149.65
7054	24	7/32	0.045	602-7054-100-__	40.97	38.37	602-7054-1000-__	186.39	175.04
7055	22	7/30	0.051	602-7055-100-*	44.70	41.43	602-7055-1000-__	190.60	183.88
7056	20	7/28	0.059	602-7056-100-__	57.74	53.08	602-7056-1000-__	230.61	220.19
7057	18	7/26	0.070	602-7057-100-*	80.72	76.47	602-7057-1000-*	352.54	336.75

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.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
Stranded Conductor									
1850	32	7/40	0.028	602-1850-100-__	63.22	56.12	602-1850-1000-*	225.22	212.85
1852	28	7/36	0.034	602-1852-100-__	24.44	21.13	602-1852-1000-__	119.85	113.44
1853	26	7/34	0.038	602-1853-100-__	28.21	24.97	602-1853-1000-__	129.25	123.47
1854	24	7/32	0.043	602-1854-100-__	28.73	25.42	602-1854-1000-__	120.87	115.93
1854/19	24	19/36	0.043	602-1854/19-100-__	46.10	40.80	602-1854/19-1000-__	145.75	138.55
1855	22	7/30	0.050	602-1855-100-__	30.79	26.99	602-1855-1000-__	130.77	124.91
1855/19	22	19/34	0.050	602-1855/19-100-__	60.38	53.44	602-1855/19-1000-__	143.75	137.30
1856	20	7/28	0.058	602-1856-100-__	32.75	28.02	602-1856-1000-__	157.94	149.25
1856/19	20	19/32	0.058	602-1856/19-100-__	59.69	49.33	602-1856/19-1000-__	185.99	177.66
1857	18	7/26	0.068	602-1857-100-__	45.84	40.57	602-1857-1000-__	242.65	230.25
1857/19	18	19/30	0.068	602-1857/19-100-__	88.69	83.06	602-1857/19-1000-__	257.85	235.77
1858/19	16	19/29	0.077	602-1858/19-100-__	58.57	51.84	602-1858/19-1000-__	295.24	282.02
1859/19	14	19/27	0.091	602-1859/19-100-__	117.91	104.36	602-1859/19-1000-__	368.25	336.90

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.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
Stranded Conductor									
2840/7	32	7/40	0.021	602-2840/7-100-__	36.89	34.02	602-2840/7-1000-__	249.98	238.79
2841/7	30	7/38	0.024	602-2841/7-100-__	37.37	34.02	602-2841/7-1000-__	188.51	185.12
2841/1	30	Solid	0.022	602-2841/1-100-__	43.29	39.74	602-2841/1-1000-__	320.82	306.46
2842/7	28	7/36	0.027	602-2842/7-100-__	35.04	33.02	602-2842/7-1000-__	258.75	247.16
2842/1	28	Solid	0.025	602-2842/1-100-__	51.28	46.12	602-2842/1-1000-__	350.23	334.54
2842/19	28	19/40	0.027	602-2842/19-100-*	53.95	50.02	602-2842/19-1000-*	407.04	388.82
2843/7	26	7/34	0.031	602-2843/7-100-__	41.26	37.95	602-2843/7-1000-__	295.45	283.16
2843/19	26	19/38	0.032	602-2843/19-100-__	50.71	47.84	602-2843/19-1000-__	404.41	386.31
2843/1	26	Solid	0.028	602-2843/1-100-__	54.46	49.82	602-2843/1-1000-__	370.87	354.26
2844/7	24	7/32	0.036	602-2844/7-100-__	44.76	40.25	602-2844/7-1000-*	295.45	283.16
2844/19	24	19/36	0.037	602-2844/19-100-__	53.75	49.12	602-2844/19-1000-__	368.00	351.52
2845/7	22	7/30	0.042	602-2845/7-100-__	50.08	46.51	602-2845/7-1000-__	372.38	355.15
2845/19	22	19/34	0.044	602-2845/19-100-__	63.45	58.13	602-2845/19-1000-__	433.82	414.39

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.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
Solid Conductor									
2853/1	26	---	0.036	602-2853/1-100-*	51.13	46.15	602-2853/1-1000-__	344.97	328.14
2854/1	24	---	0.040	602-2854/1-100-__	62.65	57.15	602-2854/1-1000-__	428.40	408.87
2855/1	22	---	0.045	602-2855/1-100-*	74.45	72.12	602-2855/1-1000-__	482.51	458.92
2856/1	20	---	0.052	602-2856/1-100-*	102.33	95.12	602-2856/1-1000-*	620.99	564.12
2857/1	18	---	0.060	602-2857/1-100-*	300.25	295.45	602-2857/1-1000-*	2000.95	1728.05
Stranded Conductor									
5851	30	7/38	0.032	602-5851-100-__	38.54	38.54	602-5851-1000-__	250.70	239.47
5852	28	7/36	0.036	602-5852-100-__	39.21	35.96	602-5852-1000-__	250.70	239.47
5853	26	7/34	0.040	602-5853-100-__	42.17	38.69	602-5853-1000-__	269.50	251.44
5853/19	26	19/38	0.041	602-5853/19-100-__	50.25	48.25	602-5853/19-1000-__	348.51	330.41
5854	24	19/36	0.045	602-5854-100-__	52.32	48.01	602-5854-1000-__	356.76	340.79
5854/7	24	7/32	0.044	602-5854/7-100-__	45.38	40.88	602-5854/7-1000-*	290.14	277.15
5855	22	19/34	0.051	602-5855-100-__	53.11	48.91	602-5855-1000-__	362.74	344.65
5855/7	22	7/30	0.055	602-5855/7-100-__	65.17	60.67	602-5855/7-1000-__	425.53	404.83
5856	20	19/32	0.059	602-5856-100-__	75.69	69.81	602-5856-1000-__	515.16	491.75
5856/7	20	7/28	0.058	602-5856/7-100-__	72.59	69.54	602-5856/7-1000-__	466.89	440.98
5857	18	19/30	0.070	602-5857-100-__	108.04	99.05	602-5857-1000-__	730.07	675.34
5858	16	19/29	0.077	602-5858-100-__	140.02	126.13	602-5858-1000-__	900.70	859.36
5859	14	19/2							