

ALPHA WIRE Hook-up and Bus Bar Wire



Cables you trust. Service you deserve.

AlphaWire ECOWIRE™

RoHS Compliant This product is RoHS compliant.

The EcoWire hook-up wires use Flexible Noryl insulation to provide an environmentally friendly alternative to PVC. Noryl is a modified polyphenylene ether (mPPE) thermoplastic that is inherently lighter, tougher, and more flame resistant than PVC. Noryl® insulation contains no halogens and can be fully recycled.

• Temperature Range: -40°C to +105°C • Voltage Rating: 600V



Color Code Chart			
To order replace	with applicable code for color desired.		
01=White	04=Green	07=Brown	10=Violet
02=Black	05=Yellow	08=Orange	28=Grr/Ylw
03=Red	06=Blue	09=Slate	31=Dk Blue

Alpha Part No.	Conductor		Nominal O.D. (in.)	100 ft. Spools			1000 ft. Spools		
	AWG	Strand		MOUSER STOCK NO.	Price Per Spool		MOUSER STOCK NO.	Price Per Spool	
					1	5		1	5
6710	28	7/36	.034	602-6710-100-	23.35	21.40	602-6710-1000-	121.95	115.75
6711	26	7/34	.038	602-6711-100-	28.86	26.73	602-6711-1000-	137.02	132.30
6712	24	7/32	.043	602-6712-100-	31.33	28.58	602-6712-1000-	157.50	149.30
6713	22	7/30	.049	602-6713-100-	37.37	34.09	602-6713-1000-	187.90	165.32
6714	20	10/30	.055	602-6714-100-	41.80	38.32	602-6714-1000-	212.82	188.12
6715	18	16/30	.067	602-6715-100-	50.87	47.69	602-6715-1000-	295.20	250.75
6715S	18	Solid	.059	602-6715S-100-	50.87	47.69	602-6715S-1000-	295.20	250.75
6716	16	26/30	.081	602-6716-100-	77.91	71.08	602-6716-1000-	391.80	337.54
6717	14	41/30	.096	602-6717-100-	111.55	105.78	602-6717-1000-	517.97	487.05
6717S	14	Solid	.086	602-6717S-100-	111.55	105.78	602-6717S-1000-	517.97	487.05
6718	12	65/30	.117	602-6718-100-	168.40	162.59	602-6718-1000-	737.33	717.26
6719	10	105/30	.142	602-6719-100-	262.90	254.14	602-6719-1000-	1192.26	1085.00

AlphaWire ECOWIRE™ PLUS

A 100% recyclable alternative to XLPEinsulated wire, with all the benefits of standards EcoWire with added resistance to the hazardous oils and chemicals common in industrial environments.

• Temperature Range: -40°C to +105°C • Voltage Rating: 300V



Color Code Chart			
To order replace	with applicable code for color desired.		
01=White	04=Green	07=Brown	
02=Black	05=Yellow	08=Orange	
03=Red	06=Blue	09=Slate	

Alpha Part No.	Conductor		Nominal O.D. (in.)	100 ft. Spools			1000 ft. Spools		
	AWG	Strand		MOUSER STOCK NO.	Price Per Spool		MOUSER STOCK NO.	Price Per Spool	
					1	5		1	5
6820	28	7/36	0.031	602-6820-100-	25.69	24.34	602-6820-1000-	108.41	105.46
6821	26	7/34	0.035	602-6821-100-	28.86	27.34	602-6821-1000-	121.82	118.50
6822	24	7/32	0.040	602-6822-100-	32.58	30.86	602-6822-1000-	137.52	133.78
6823	22	7/30	0.046	602-6823-100-	38.86	36.81	602-6823-1000-	164.05	159.59
6824	20	7/28	0.054	602-6824-100-	45.99	43.57	602-6824-1000-	194.17	188.89
6825	18	19/0.0092	0.062	602-6825-100-	61.04	57.83	602-6825-1000-	257.74	250.72
6826	17	19/30	0.066	602-6826-100-	71.04	67.30	602-6826-1000-	299.91	291.75
6827	16	19/29	0.077	602-6827-100-	81.02	76.76	602-6827-1000-	342.10	332.79
6828	15	19/28	0.083	602-6828-100-	101.86	96.50	602-6828-1000-	430.08	418.38
6829	14	19/27	0.095	602-6829-100-	122.71	116.25	602-6829-1000-	518.07	503.97

AlphaWire HOOK-UP WIRE

MIL-W-76B Type MW PVC Insulation

• Temperature Range: -40°C to 80°C • Voltage Rating: 1000V



Color Code Chart			
To order replace	with applicable code for color desired.		
01=White	04=Green	07=Brown	10=Violet
02=Black	05=Yellow	08=Orange	*Not available in all colors
03=Red	06=Blue	09=Slate	

Alpha Part No.	Conductor		Nominal O.D. (in.)	100 ft. Spools			1000 ft. Spools		
	AWG	Strand		MOUSER STOCK NO.	Price Per Spool		MOUSER STOCK NO.	Price Per Spool	
					1	5		1	5
1550	24	7/32	.056	602-1550-100-	33.08	31.94	602-1550-1000-	126.26	120.61
1551	22	7/30	.062	602-1551-100-	36.33	35.07	602-1551-1000-	154.59	143.03
1553	20	10/30	.069	602-1553-100-	43.16	41.68	602-1553-1000-	167.56	156.57
1555	18	16/30	.079	602-1555-100-	54.39	52.55	602-1555-1000-*	228.97	219.19
1557	16	26/30	.092	602-1557-100-	78.82	76.10	602-1557-1000-*	327.13	312.72
1559	14	41/30	.106	602-1559-100-*	113.08	109.18	602-1559-1000-*	622.09	594.23
1560	12	65/30	.125	602-1560-100-	178.82	169.53	602-1560-1000-	1116.20	1082.70
1561/24	24	Solid	.052	602-1561/24-100-*	31.56	30.47	602-1561/24-1000-*	123.23	119.54
1561	22	Solid	.057	602-1561-100-*	31.56	30.47	602-1561-1000-*	131.63	128.60
1563	20	Solid	.064	602-1563-100-*	30.38	27.80	602-1563-1000-*	161.94	152.77
1565	18	Solid	.072	602-1565-100-*	75.10	70.34	602-1565-1000-*	300.58	287.77

UL1430 Irradiated PVC Insulation

• Temperature Range: -55°C to 105°C • Voltage Rating: 300V

Alpha Part No.	Conductor		Nominal O.D. (in.)	100 ft. Spools			1000 ft. Spools		
	AWG	Strand		MOUSER STOCK NO.	Price Per Spool		MOUSER STOCK NO.	Price Per Spool	
					1	5		1	5
7130	24	7/32	.056	602-7130-100-	62.59	56.47	602-7130-1000-	251.11	232.37
7131	22	7/30	.062	602-7131-100-*	99.83	96.39	602-7131-1000-*	312.52	292.99
7132	20	7/28	.070	602-7132-100-*	96.79	90.65	602-7132-1000-*	334.64	316.69
7133	18	7/26	.080	602-7133-100-	57.78	53.12	602-7133-1000-*	469.58	458.47
7134	16	19/0.117	.088	602-7134-100-	172.27	162.28	602-7134-1000-	626.35	595.14

PVDF Insulation for Wire Wrap (UL 1422, UL1423)

Wire wrapping is an automatic or semi-automatic termination method generally used in large scale wiring of computer backpanels. It involves the helical wrapping of a solid conductor around a rectangular post under controlled tension. Alpha PVDF wire wrap is manufactured with Silver-Plated OFHC (Oxygen-Free High Conductivity) conductor.

Color Code Chart			
To order replace	with applicable code for color desired.		
01=White	04=Green	07=Brown	10=Violet
02=Black	05=Yellow	08=Orange	
03=Red	06=Blue	09=Slate	

Alpha Part No.	AWG Size	Nominal O.D. (in.)	1000 ft. Spools		
			MOUSER STOCK NO.	Price Per Spool	
				1	5
5951	30	.019	602-5951-1000-	328.00	312.01
5952	28	.024	602-5952-1000-	390.88	373.37
5953	26	.027	602-5953-1000-	397.75	376.68
5954	24	.030	602-5954-1000-	537.71	511.37

ETFE Insulation for Wire Wrap (UL 1516, UL1523)

• Solid Silver Plated OFHC (Oxygen-Free High Conductivity) conductor
• Color-Coded ETFE (Ethylene-Tetrafluoroethylene Copolymer)
• High abrasion, heat and cut-through resistance

Color Code Chart			
To order replace	with applicable code for color desired.		
01=White	04=Green	07=Brown	10=Violet
02=Black	05=Yellow	08=Orange	
03=Red	06=Blue	09=Slate	

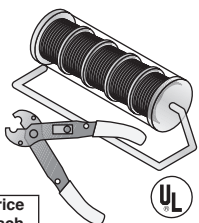
Alpha Part No.	AWG Size	Nominal O.D. (in.)	100 ft. Spools		1000 ft. Spools	
			MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Price Per Spool
1805	30	.020	602-1805-100-	147.01	602-1805-1000-	954.21
1806	28	.024	602-1806-100-	193.37	602-1806-1000-	1050.58
1807	26	.027	-	-	602-1807-1000-	1076.27
1808	24	.030	-	-	602-1808-1000-	1184.63

AlphaWire HOOK-UP WIRE KITS

Hook-Up Wire Kits contain an assortment of 100' spools suitable for military or UL/CSA applications. Each kit contains five spools of stranded hook-up wire in a unique, rack-mounted, transparent dispensing tube. The tube and rack system keeps hook-up wire neat, clean, and conveniently at hand.

Features:

- Operating Temp.: -40°C to 105°C
- Includes cut and strip tool
- Voltage Rating: 300V
- Five assorted hook-up wire colors: White, Black, Red, Green, and Blue



MOUSER STOCK NO.	Alpha Part No.	AWG Size	Price Each
602-HU-KIT-20	HU-KIT-20	22	205.23
602-HU-KIT-40	HU-KIT-40	24	205.23

AlphaWire BUS BAR WIRE

• Solid Tin Plated Copper
• AA-59551

Alpha Part No.	Cond. AWG	Dia. (in.)	100 ft. Spools		
			MOUSER STOCK NO.	Price Per Spool	
				1	5
299/3	30	.01	602-299/3-100-	33.64	31.71
299/2	28	.013	602-299/2-100-	33.64	31.71
299/1	26	.016	602-299/1-100-	33.39	30.50
299	24	.02	602-299-100-	35.60	32.44
298	22	.025	602-298-100-	35.11	32.50
297	20	.032	602-297-100-	45.33	42.47
296	18	.04	602-296-100-	51.41	46.60
295	16	.051	602-295-100-	93.42	90.14
286	14	.064	602-286-100-	133.34	124.66
289	12	.081	602-289-100-	187.74	173.89

Wire & Cable
Alpha Wire