

Kits Hook-Up Wire on Racks




No. of Spools	Cat. No.	Spool Lengths		Std. Unit Lbs. ea	Type of Wire	Colours in Kit
		ft.	m			
8	8816† 80°C	25	7.6	2.5	18 (16×30) Tinned PVC (8522-25)	1, 2, 3, 4, 5, 6, 9, 10
8	8824† 80°C	25	7.6	1.8	20 (10×30) Tinned PVC (8523-25)	1, 2, 3, 4, 5, 6, 9, 10
5	8825† 105°C	100	30.5	3.0	20 (7×28) Tinned PVC (8502-100)	2, 4, 5, 9, 10
5	9531† 80°C	100	30.5	2.8	22 (7×30) Tinned PVC (8524-100)	2, 5, 6, 9, 10

†Passes VW-1 Vertical Wire Flame Test.

R and D Labs... Engineers... Servicemen... Hobbyists, Specify Trade Number **8800** for Rack only.

Stock Colours: 1. Brown 2. Red 3. Orange 4. Yellow 5. Green 6. Light Blue 7. Violet (purple) 8. Grey (slate) 9. White 10. Black.

High-Temperature Teflon[®] Wire

Description U.L. Style	Cat. No.	Standard Lengths		Std. Unit Lbs. ea.	AWG (stranding)	Insulation Thickness		Nominal O.D.		Available Colours See Colour Chart No. 10
		ft.	m			Inch	mm	Inch.	mm	
STYLE 1371 105°C—TEFLON HOOK-UP WIRE (TYPE ET)—MIL-W-16878/6 TEFLON—250V, 200°C										
Stranded silver-coated copper conductor insulated with extruded TFE Teflon.  1371	83043†	100♦	30.5	.2	30 (7×38)	.006	.15	.024	.61	2, 5, 7-10
	83045†	100♦	30.5	.2	28 (7×36)	.006	.15	.027	.69	1, 2, 5, 6, 9, 10
	83046†	100♦ 1000♦	30.5 304.8	.3 1.6	26 (7×34)	.006	.15	.031	.79	1-4, 6-9 (100) 1-4, 6-10 (1000)
	83047†	100♦ 1000♦	30.5 304.8	.3 2.2	24 (7×32)	.006	.15	.036	.91	6, 8-10 (100) 2, 6, 8-10 (1000)
	83048†	100♦ 1000♦	30.5 304.8	.3 2.2	24 (19×36)	.006	.15	.036	.91	1-3, 5, 7, 8, 10
	83049†	100♦	30.5	.4	22 (7×30)	.006	.15	.042	1.07	1-10
	83050†	100♦	30.5	.4	22 (19×34)	.006	.15	.042	1.07	1-3, 5-9




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†Passes VW-1 Vertical Wire Flame Test.

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

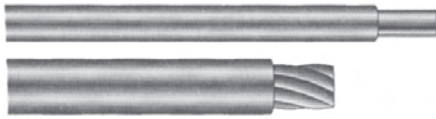
Multi-Conductor Unshielded Cables

AUDIO AND CONTROL CABLES

Description U.L. Style	Cat. No.	No. of Cond.	Standard Lengths		Std. Unit Lbs. ea.	Insulation Thickness		Jacket Thickness		Nominal O.D.	
			ft.	m		Inch	mm	Inch	mm	Inch	mm
22 GAUGE—SOLID CONDUCTORS—POLYETHYLENE INSULATED											
Bare copper, polyethylene insulated, conductors cabled. Rose Grey PVC jacket.											
 2093 300V 60°C	8794	3	1000	304.8	21.3	.018	.46	.022	.56	.178	4.52
	NEC CM FT 4					Colour code: Green, Red, Yellow.					
 2094 300V 60°C	9794	4	500 1000	152.4 304.8	10.5 19.0	.018	.46	.025	.64	.200	5.08
	NEC CM FT 1					Colour code: Green, Red, Yellow, Black.					
22 GAUGE—SOLID CONDUCTORS—POLYETHYLENE INSULATED											
Bare Copper, Polyethylene Insulated, Conductors Cabled. Rose Grey PVC jacket. Colour code: Red, Green.											
	8795	2	500 1000	152.5 304.8	9.4 18.0	.018	.46	.022	.56	.168	4.27
	NEC CM FT 1										

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For complete product selection please contact your Electro Sonic sales representative.



ALPHA HOOK-UP WIRE

DESCRIPTION: Conductor: Stranded or solid tinned copper. Insulation: Colour-coded PVC. **CHARACTERISTICS:** Operating Temperature: -40°C to 105°C—UL AWM 1569. 40°C to 90°C—CSA TR-64. 40°C to 80°C—UL AWM 1007. Voltage Rating: 300 volt.

80°C/105°C PVC INSULATION 300 VOLT UL 1007/1569 CSA TR-64

Cat. No.	Colour	Conductor		Diameter Inches	Net Price
		AWG	Strand		
3051-100-2	Black	22	7/30	0.065	\$8.24
3051-1000-2	Black	22	7/30	0.065	35.91
3055-100-2	Black	18	16/30	0.080	10.47
3055-1000-2	Black	18	16/30	0.080	57.36

NOTE: Specify colour using the suffix 1 = White, 3 = Red, 4 = Green. Standard Put-up: 100 ft & 1000 ft. Insulation thickness: 0.016. When ordering solid conductor add /1 to Cat. No. example = 3051/1-100-2.



ALPHA HOOK-UP WIRE

DESCRIPTION: Conductor: Stranded tinned copper. Insulation: Colour coded PVC. **CHARACTERISTICS:** Operating Temperature: -20°C to +105°C. Voltage Rating: 600 Volt. Flammability: Passes UL VW-1 flame test. Resistant to acids, alkalis, oil, flame, moisture and fungus.

105°C 600V UL1015 CSA TEW-105

Cat. No.	Colour	Conductor		Diameter Inches	Net Price
		AWG	Strand		
3070-100-2	Black	24	7/32	0.088	\$20.25
3070-1000-2	Black	24	7/32	0.088	86.45
3071-100-2	Black	22	7/30	0.094	21.65
3071-1000-2	Black	22	7/30	0.094	112.13
3075-100-2	Black	18	16/30	0.112	35.12
3075-1000-2	Black	18	16/30	0.112	75.46
3077-100-2	Black	16	26/30	0.124	14.43
3077-1000-2	Black	16	26/30	0.124	195.83
3079-100-2	Black	14	41/30	0.142	26.80
3079-1000-2	Black	14	41/30	0.142	199.52
3080-100-2	Black	12	65/30	0.155	48.98
3080-1000-2	Black	12	65/30	0.155	325.94
3081-100-2	Black	10	105/30	0.190	170.39
3081-1000-2	Black	10	105/30	0.190	511.67

NOTE: Specify colour using the suffix 1 = White, 3 = Red, 4 = Green. Standard Put-up: 100 ft & 1000 ft. Insulation thickness: 0.016. When ordering solid conductor add /1 to Cat. No. example = 3051/1-100-2.



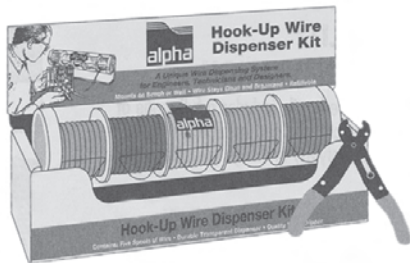
ALPHA HOOK-UP WIRE

DESCRIPTION: Conductor: Solid silver plated OFHC copper. Insulation: Kynar Wire Wrap: Colour-coded Kynar (polyvinylidene Fluoride). **CHARACTERISTICS:** Operating Temperature: -40°C to 125°C (UL 105°C).

KYNAR® 125°C SOLID CONDUCTOR UL1422, UL1423

Cat. No.	Colour	Conductor AWG	Insul. Thickness	Diameter Inches	Net Price
5953-1000-2	Black	26	0.0055	0.027	121.31

NOTE: Specify colour using the suffix 1 = White, 3 = Red, 4 = Green. Standard Put-up: 1000 ft.



ALPHA HOOK-UP WIRE KITS

Alpha's hook-up wire kits contain an assortment of 100 ft. (30.5mm) spools of hook-up wire suitable for military or UL/CSA applications. These kits have been designed for use by technicians, engineers, and designers in the R & D lab or maintenance shop. Each kit contains five spools of 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. **Choose hook-up wire for:** Convenient wire dispensing system. Five assorted hook-up wire colours. Includes cut and strip tool. Uses standard Alpha hook-up wire spools when refills are required. **CHARACTERISTICS:** Operating Temperature: -40°C to +80°C (HU-KIT-10, 30), -40°C to +105°C (HU-KIT-20, 40). Voltage Rating: 1000 V (HU-KIT-10, 30), 300 V (HU-KIT-20, 40). Product Description: Conductor: Stranded tinned copper. Insulation: Colour-coded PVC. **SPECIFICATIONS:** UL AWM Styles 1007 and 1569. CSA TR-64. MIL-W-76B, Type MW.

Cat. No.	Description	AWG	Length Per Spool		Net Price
			Ft.	mm	
HU-KIT-10	MIL-W-76B Type MW	22	100	30.5	\$104.81
HU-KIT-20	UL 1007/1569, CSA TR-64	22	100	30.5	104.81
HU-KIT-30	MIL-W-76B Type MW	24	100	30.5	139.76
HU-KIT-40	UL 1007/1569, CSA TR-64	24	100	30.5	139.76

NOTE: Each kit contains 5 spools: white, black, red, green, and blue with cut and strip tool.

RECOMMEND FIT®-600 OR FIT®-650 ALPHA HEAT SHRINK TUBING

ALPHA SERIES F HIGH PERFORMANCE, FLEXIBLE AUTOMOTIVE CONTROL CABLE

The Ultimate cable solution for severe flexing applications and superior resistance to oils and chemicals. Choose Series F for: Maximum flex life. Improved performance. Reduced cable cost. Abrasion resistance. Jacket durability. **PERFORMANCE FEATURES:** Series F cable are designed and manufactured to perform at: Over 9 million continuous rolling flex cycles at a minimum bend radius of 10X OD. Tic-Toc/Twist Test Per MIL-C-13777G. **DESCRIPTION:** Conductor: 16 AWG (1.50mm) 65/34, stranded bare copper. Insulation: Red PVC/nylon or blue PVC/nylon. Jacket: Specially-formulated thermoplastic elastomer. **APPLICATIONS:** High flexibility/high bend applications. Factory equipment interconnects. Robotics. Machine tools. Automotive assembly equipment. Conveyor systems. Control panels. Flex and static track. Transfer shuttles. **CHARACTERISTICS:** Operating Temperature: -25°C to +90°C. Voltage Rating: 600 Volts. Jacket colour: Black. **SPECIFICATIONS:** UL type TC (600V). CSA AWM II A/B 600V FT4. CE Marked.

Cat. No.	No. of Pairs	Jacket Thickness		Nominal Diameter		Net Price Per Ft.
		Inches	mm	Inches	mm	
RED INSULATION						
F16012RW-100	12	0.063	1.6	0.58	14.7	\$3.26
F16017RW-100	17	0.063	1.6	0.67	16.9	4.33
F16022RW-100	22	0.063	1.6	0.73	18.6	5.39
F16025RW-100	25	0.063	1.6	0.79	20.0	6.27
F16033RW-100	33	0.083	2.1	0.89	22.6	8.45
F16042RW-100	42	0.083	2.1	0.98	24.9	11.13
F16049RW-100	49	0.083	2.1	1.07	27.2	12.72
F16065RW-100	65	0.083	2.1	1.19	30.3	15.81
BLUE INSULATION						
F16012LW-100	12	0.063	1.6	0.58	14.7	3.26
F16017LW-100	17	0.063	1.6	0.67	16.9	4.33
F16022LW-100	22	0.063	1.6	0.73	18.6	5.39
F16025LW-100	25	0.063	1.6	0.79	20.0	6.27
F16033L-100	33	0.083	2.1	0.89	22.6	8.45
F16042L-100	42	0.083	2.1	0.98	24.9	11.13
F16049L-100	49	0.083	2.1	1.07	27.2	12.72
F16065L-100	65	0.083	2.1	1.19	30.3	15.81

NOTE: Also available in 1000 ft. lengths.