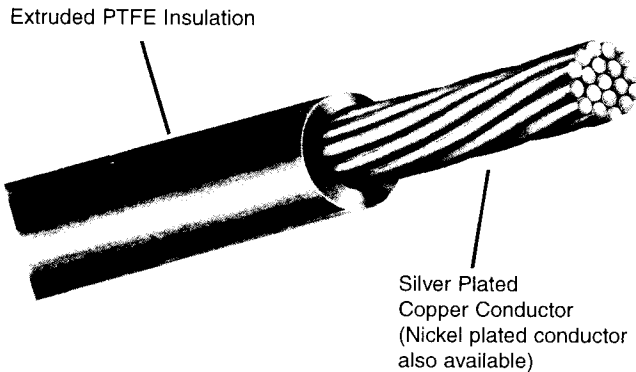


# PTFE MILITARY HOOK-UP WIRE TYPE E



## Type E 600 Volts

### CONSTRUCTION SPECIFICATIONS

Conductors: Silver Plated Copper or Nickel Plated Copper  
 Insulation: Extruded PTFE

### PROPERTIES:

Specification: MIL-W-16878/4  
 TEMPERATURE: 200°C (SPC Conductor)  
 Rating: 260°C (NPC Conductor)  
 Voltage Rating: 600 Volts RMS

### APPLICATION

High temperature electronic hook-up wire for use in military equipment, scientific equipment, business machines, computers, and appliances.

### ADVANTAGES

PTFE insulated hook-up wire with silver or nickel plated copper conductors is virtually unaffected by fluids or solvents. It has excellent thermal and electrical properties. PTFE will not melt when accidentally touched by a hot soldering device and is resistant to mechanical deformation.

### COLOR CODING

This wire is manufactured in ten standard colors and is available with up to three stripes in any combination of contrasting colors.

### INSULATION COLOR CODE:

- 1) WHERE XXX = 000 IF WIRE IS BLACK
- 2) WHERE XXX = 111 IF WIRE IS BROWN
- 3) WHERE XXX = 222 IF WIRE IS RED
- 4) WHERE XXX = 333 IF WIRE IS ORANGE
- 5) WHERE XXX = 444 IF WIRE IS YELLOW
- 6) WHERE XXX = 555 IF WIRE IS GREEN
- 7) WHERE XXX = 666 IF WIRE IS BLUE
- 8) WHERE XXX = 777 IF WIRE IS VIOLET
- 9) WHERE XXX = 888 IF WIRE IS GRAY
- 10) WHERE XXX = 999 IF WIRE IS WHITE

### FOR EXAMPLE:

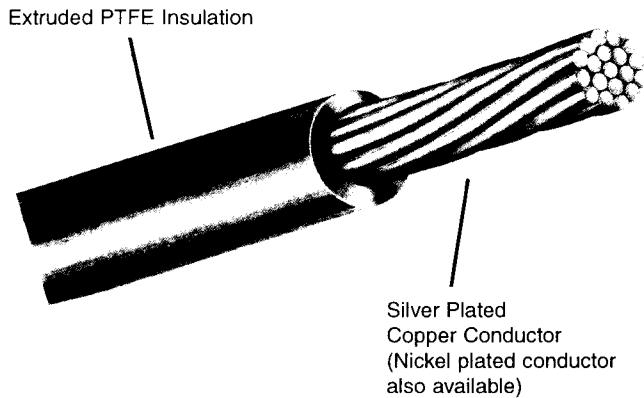
- 16 (19/29) SOLID RED IS 214-1612229
- 16 (19/29) WHT/GRN IS 214-1619959
- 24 (19/36) WHT/BLK/RED IS 214-2419029

### PHYSICAL CHARACTERISTICS

CATALOG NUMBER	AWG	STRANDING	NOM. CONDUCTOR DIA.		NOM. INSULATION WALL		NOM. FINSHED OD	
			INCHES	MM	INCHES	MM	INCHES	MM
214-305XXX9	30	SOLID	.010	.254	.010	.254	.030	.762
214-302XXX9	30	7 x 38	.012	.305	.010	.254	.032	.813
214-285XXX9	28	SOLID	.013	.330	.010	.254	.033	.838
214-282XXX9	28	7 x 36	.015	.381	.010	.254	.035	.889
214-281XXX9	28	19 x 40	.015	.381	.010	.254	.035	.889
214-265XXX9	26	SOLID	.016	.406	.010	.254	.036	.914
214-262XXX9	26	7 x 34	.019	.483	.010	.254	.039	.991
214-261XXX9	26	19 x 38	.019	.483	.010	.254	.039	.991
214-245XXX9	24	SOLID	.020	.508	.010	.254	.040	1.016
214-242XXX9	24	7 x 32	.024	.610	.010	.254	.044	1.118
214-241XXX9	24	19 x 36	.024	.610	.010	.254	.044	1.118
214-225XXX9	22	SOLID	.025	.635	.010	.254	.045	1.143
214-222XXX9	22	7 x 30	.030	.762	.010	.254	.050	1.270
214-221XXX9	22	19 x 34	.030	.762	.010	.254	.050	1.270
214-205XXX9	20	SOLID	.032	.813	.010	.254	.052	1.321
214-202XXX9	20	7 x 28	.038	.965	.010	.254	.058	1.473
214-201XXX9	20	19 x 32	.038	.965	.010	.254	.058	1.473
214-182XXX9	18	7 x 26	.048	1.219	.010	.254	.068	1.727
214-181XXX9	18	19 x 30	.048	1.219	.010	.254	.068	1.727
214-161XXX9	16	19 x 29	.053	1.346	.011	.279	.075	1.905
214-141XXX9	14	19 x 27	.067	1.702	.011	.279	.089	2.261
214-121XXX9	12	19 x 25	.084	2.134	.012	.305	.108	2.743
214-103XXX9	10	37 x 26	.108	2.743	.012	.305	.132	3.353

\* Note: When ordering, 214 prefix designates Silver plated conductor, 314 prefix designates Nickel plated conductor.





# Type EE 1000 Volts

## CONSTRUCTION SPECIFICATIONS

Conductors: Silver Plated Copper or Nickel Plated Copper  
 Insulation: Extruded PTFE

## PROPERTIES:

Specification: MIL-W-16878/5  
 TEMPERATURE: 200°C (SPC Conductor)  
 Rating: 260°C (NPC Conductor)  
 Voltage Rating: 1000 Volts RMS

## APPLICATION

High temperature electronic hook-up wire for use in military equipment, scientific equipment, business machines, computers, and appliances.

## ADVANTAGES

PTFE insulated hook-up wire with silver or nickel plated copper conductors is virtually unaffected by fluids or solvents. It has excellent thermal and electrical properties. PTFE will not melt when accidentally touched by a hot soldering device and is resistant to mechanical deformation.

## COLOR CODING

This wire is manufactured in ten standard colors and is available with up to three stripes in any combination of contrasting colors.

## INSULATION COLOR CODE:

- 1) WHERE XXX = 000 IF WIRE IS BLACK
- 2) WHERE XXX = 111 IF WIRE IS BROWN
- 3) WHERE XXX = 222 IF WIRE IS RED
- 4) WHERE XXX = 333 IF WIRE IS ORANGE
- 5) WHERE XXX = 444 IF WIRE IS YELLOW
- 6) WHERE XXX = 555 IF WIRE IS GREEN
- 7) WHERE XXX = 666 IF WIRE IS BLUE
- 8) WHERE XXX = 777 IF WIRE IS VIOLET
- 9) WHERE XXX = 888 IF WIRE IS GRAY
- 10) WHERE XXX = 999 IF WIRE IS WHITE

## FOR EXAMPLE:

- 26 (7/34) SOLID RED IS 234-2622229  
 22 (19/34) WHT/BLK IS 234-2219909  
 16 (19/29) WHT/BLK/RED IS 234-1619029

## PHYSICAL CHARACTERISTICS

CATALOG NUMBER	AWG	STRANDING	NOM. CONDUCTOR DIA.		NOM. INSULATION WALL		NOM. FINISHED OD	
			INCHES	MM	INCHES	MM	INCHES	MM
234-305XXX9	30	SOLID	.010	.254	.015	.381	.040	1.016
234-302XXX9	30	7 x 38	.012	.305	.015	.381	.042	1.067
234-285XXX9	28	SOLID	.013	.330	.015	.381	.043	1.092
234-282XXX9	28	7 x 36	.015	.381	.015	.381	.045	1.143
234-281XXX9	28	19 x 40	.015	.381	.015	.381	.045	1.143
234-265XXX9	26	SOLID	.016	.406	.015	.381	.046	1.168
234-262XXX9	26	7 x 34	.019	.483	.015	.381	.049	1.245
234-261XXX9	26	19 x 38	.019	.483	.015	.381	.049	1.245
234-245XXX9	24	SOLID	.020	.508	.015	.381	.050	1.270
234-242XXX9	24	7 x 32	.024	.610	.015	.381	.054	1.372
234-241XXX9	24	19 x 36	.024	.610	.015	.381	.054	1.372
234-225XXX9	22	SOLID	.025	.635	.015	.381	.055	1.397
234-222XXX9	22	7 x 30	.030	.762	.015	.381	.060	1.524
234-221XXX9	22	19 x 34	.030	.762	.015	.381	.060	1.524
234-205XXX9	20	SOLID	.032	.813	.015	.381	.062	1.575
234-202XXX9	20	7 x 28	.038	.965	.015	.381	.068	1.727
234-201XXX9	20	19 x 32	.038	.965	.015	.381	.068	1.727
234-182XXX9	18	7 x 26	.048	1.219	.016	.406	.080	2.032
234-181XXX9	18	19 x 30	.048	1.219	.016	.406	.080	2.032
234-161XXX9	16	19 x 29	.053	1.346	.017	.432	.087	2.210
234-141XXX9	14	19 x 27	.067	1.702	.017	.432	.101	2.565
234-121XXX9	12	19 x 25	.084	2.134	.017	.432	.118	2.997
234-103XXX9	10	37 x 26	.108	2.743	.017	.432	.142	3.607

\* Note: When ordering, 234 prefix designates Silverplated conductor, 334 prefix designates Nickel plated conductor.

