

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

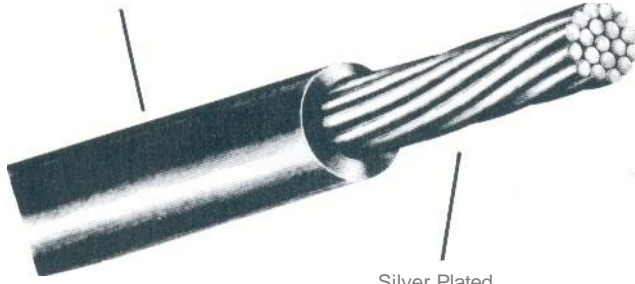
FOR EXAMPLE :

- 16 (19/29) SOLID RED IS 214-1612229
- 16 (19/29) WHT/GRN IS 214-1619959
- 24 (19/36) WHT/BLK/RED IS 214-24 19029

PHYSICAL CHARACTERISTICS

CATALOG NUMBER	AWG	STRANDING	NOM. CONDUCTOR DIA.		NOM. INSULATION WALL		NOM. FINISHED OD	
			INCHES	MM	INCHES	MM	INCHES	MM
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

Extruded PTFE Insulation



Silver Plated
Copper Conductor
(Nickel plated conductor
also available)

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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

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

PHYSICAL CHARACTERISTICS

CATALOG NUMBER	AWG	STRANDING	NOM. CONDUCTOR DIA.		NOM. INSULATION WALL		NOM. FINISHED OD	
			INCHES	MM	INCHES	MM	INCHES	MM
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

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