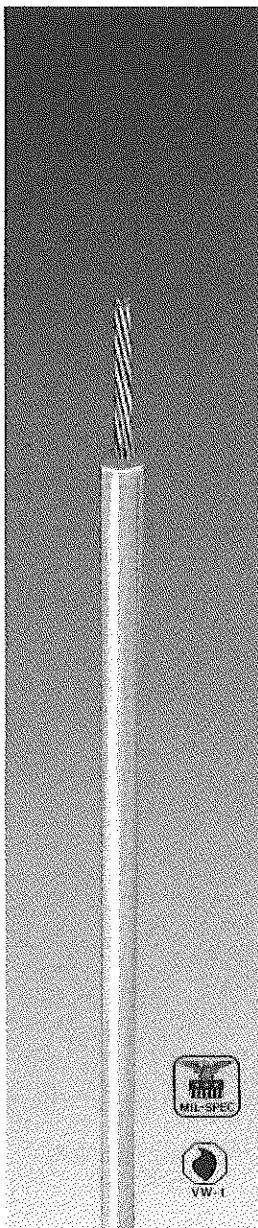


Hookup Wire



Standard Putups

100 ft., 1000 ft.

See color chart 8 in Technical Section.

Consult factory for availability of other colors and color combinations.

- POLYTETRAFLUOROETHYLENE (PTFE) INSULATION
- MIL-W-16878/4 (PREVIOUSLY TYPE "E")

Description

- **Conductor:** Silver-plated copper with 40 microinches minimum coating thickness per ASTM B-298. Also available on special order are constructions with nickel-plated copper, silver-plated or nickel-plated, high-strength high-conductivity copper alloy.
- **Insulation:** Extruded PTFE, nominal wall thickness .010" (0.25mm). Bondable treated or sodium-etched coatings can be supplied upon special request.
- **Color coding:** Insulation color coding to MIL-STD-104 is available in solid colors and stripes.

Characteristics

- **Voltage Rating:** 600 Volts rms.
- **Temperature Range:** -55°C to +200°C with silver-plated conductors. -55°C to +260°C with nickel-plated conductors.
- **Insulation Flaw Test (Spark Test):** 4,600 Volts rms @ 3.0 kHz.
- **Insulation Resistance:** Meets specification requirements.
- **Heat Resistance:** +290°C for 96 hours.
- **Cold Bend:** -65°C for 4 hours.

Features and Applications

- This wire insulated with PTFE is rated at 600 volts rms, with the corresponding DC potential at 1,500 volts. Suitable for high-frequency use at elevated temperatures in high-reliability programs where electrical and thermal stability are important. It provides excellent solder-iron resistance. Weight is greatly reduced compared to other insulation types. Certain strandings meet Class C of NAS 703 or MPD 1506 (Type "E").

Approvals

- Passes VW-1 Vertical Flame Test.
- OSHA Acceptable.
- MIL-W-16878/4 (previously Type "E").

Part Number	AWG	Stranding	Nom. Dia. of Conductor in.	mm.	Nom. O.D. in.	mm.	Color Code	Reference Military Number
13201	32	Solid	.008	0.20	.028	0.71	CF	M16878/4BAA
13207	32	7/40	.009	0.23	.029	0.74	CF	M16878/4BAB
13219	32	19/44	.010	0.25	.030	0.76	CF	N/A
13001	30	Solid	.010	0.25	.030	0.76	CF	M16878/4BBA
13007	30	7/38	.012	0.30	.032	0.81	CF	M16878/4BBB
13019	30	19/42	.012	0.30	.030	0.76	CF	N/A
12801	28	Solid	.013	0.33	.033	0.64	CF	M16878/4BCA
12807	28	7/36	.015	0.38	.035	0.89	0,2,5,9	M16878/4BCB
12819	28	19/40	.015	0.38	.035	0.89	CF	N/A
12601	26	Solid	.016	0.41	.036	0.91	0,2,5,9	M16878/4BDA
12607	26	7/34	.019	0.48	.039	0.99	0-9	M16878/4BDB
12619	26	19/38	.019	0.48	.039	0.99	0-9	M16878/4BDE
12401	24	Solid	.020	0.51	.040	1.02	0,2,5,9	M16878/4BEA
12407	24	7/32	.024	0.61	.044	1.12	0-9	M16878/4BEB
12419	24	19/36	.024	0.61	.044	1.12	0-9	M16878/4BEE
12201	22	Solid	.025	0.64	.045	1.14	0,2,5,9	M16878/4BFA
12207	22	7/30	.030	0.76	.050	1.27	0-9	M16878/4BFB
12219	22	19/34	.030	0.76	.050	1.27	0-9	M16878/4BFE
12001	20	Solid	.032	0.81	.052	1.32	0,2,5,9	M16878/4BGA
12007	20	7/28	.038	0.97	.058	1.47	0-9	M16878/4GBB
12019	20	19/32	.038	0.97	.058	1.47	0-9	M16878/4GBE
11801	18	Solid	.040	1.02	.060	1.52	CF	M16878/4BHA
11807	18	7/26	.048	1.22	.068	1.73	0-9	M16878/4BHB
11819	18	19/30	.047	1.19	.068	1.73	0-9	M16878/4BHE
11619	16	19/29	.053	1.35	.076	1.98	0-9	M16878/4BJE
11419	14	19/27	.067	1.70	.093	2.36	0-9	M16878/4BKE
11219	12	19/25	.084	2.13	.111	2.62	0,2,5,9	M16878/4BLE
11037	10	37/26	.110	2.79	.138	3.51	CF	M16878/4BMG

CF - Consult factory. N/A - Not available as M16878. *Also available in latest revision of MIL-W-22759/11.

Manufactured to latest available revision without surface marking.

Other AWG's and strandings available upon request (see NEMA HP-3).