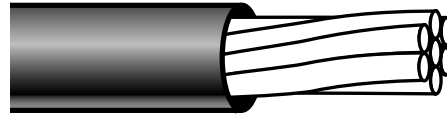


MIL-W-76 TYPE MW



Thermoplastic
Insulation

Tinned Copper
Stranded or Solid

For internal wiring of meters, panels and electronic equipment .

Electronic Hookup Wire

- Vinyl Primary Insulation
- Nominal .015" Wall (no outer covering)
- -40°C to +80°C
- 1000 Volts. R.M.S. (working)
- Insulation is same as MIL-W-16878/2

Meets UL Style 1007, 1569 and CSA TR-64 except where noted.

Military Voltage Rating	1000 volts.
Sine-wave Spark-Test Voltage	5000 VAC.
Impulse Spark Test Voltage	10000 V pulse-peak, or 7100 V @3 kHz
Insulation Breakdown Voltage	> 7000 volts, peak.
IR: Insulation Resistance, wet	> 2000 megohm/100 meter, metal to water bath at +20°C
Nominal Dielectric Constant value	4.
Flame Properties	Self extinguishing. Meets UL VW-1
Cold Bending for gauges 16 to 26	Bends over 2 inch mandrel while at -54°C.
Cold Bending for gauges 12 to 14	Bends over 3 inch mandrel while at -54°C.
Fungus	Fungus Resistant

GAUGE (AWG)	PART NO.	NUMBER OF STRANDS (AWG)	GAUGE OF STRANDS (AWG)	NOM. DIAM. OF STRANDED CONDUCTOR		NOM. FIN. WIRE DIAM.		MAX. RESISTANCE (dc at 20° C) Ω /per		NOM. WT.	
				IN.	mm	IN.	mm	1000-ft	Km	LBS per 1000-ft	Kg/Km
24	NMW124U	1	24	.0201	.511	.054	1.37	27.20	89	2.50	3.7
24	NMW732U	7	32	.0240	.610	.058	1.47	26.20	86	2.60	3.9
24	NMW1936U	19	36	.0240	.610	.058	1.47	25.40	83	2.75	4.1
22	NMW122U	1	22	.0253	.643	.059	1.50	17.20	56	3.50	5.2
22	NMW730U	7	30	.0300	.762	.064	1.63	16.70	55	3.65	5.4
22	NMW1934U	19	34	.0380	.762	.064	1.63	15.90	52	3.75	5.6
20	NMW120U	1	20	.0320	.813	.066	1.68	10.70	35	5.30	7.9
20	NMW728U	7	28	.0380	.965	.072	1.83	10.40	34	5.40	8.0
20	NMW1030U	10	30	.0380	.965	.072	1.83	11.80	39	5.45	8.1
20	NMW1932U	19	32	.0380	.965	.072	1.83	9.76	32	5.50	8.2
18	NMW118U	1	18	.0403	1.02	.075	1.91	6.78	22	7.80	11.6
18	NMW1630U	16	30	.0408	1.22	.082	2.08	6.54	21	7.90	11.8
18	NMW1930U	19	30	.0480	1.22	.082	2.08	6.22	20	8.00	11.9
16	NMW116U	1	16	.0602	1.29	.085	1.16	4.26	14	8.50	12.7
16	NMW1929U*	19	29	.0540	1.37	.091	2.31	4.82	16	10.00	14.9
16	NMW2630U	26	30	.0550	1.40	.094	2.39	4.59	15	10.50	15.6
14	NMW114U	1	14	.0641	1.53	.098	2.49	2.68	9.0	15.50	23.1
14	NMW1927U*	19	27	.0690	1.75	.105	2.67	3.05	10	15.00	22.3
14	NMW4130U	41	30	.0710	1.80	.112	2.84	2.94	9.7	14.50	21.5
12	NMW1925U*	19	25	.0890	2.26	.124	3.15	1.92	6.3	24.00	35.7
12	NMW6530U	65	30	.0890	2.26	.132	3.35	1.85	6.1	25.30	37.7

Standard basic insulation color numbers are: Black: 0, Brown: 1, Red: 2, Orange: 3, Yellow: 4, Green: 5, Blue: 6, Violet: 7, Gray: 8, White: 9. The insulation color code number, per MIL-STD-681, may be 1, 2 or 3 digits depending on the number or absence of stripes. The 1st number is color of Insulation, 2nd number is color of first stripe; 3rd number is color of the second stripe. Example: White wire(9) + Red stripe(2) + Black stripe(0) makes a color code number of "920". That color number, "920" is appended to the part number. Sample part number might be "xxxxxx-xxx-920"

* Not C.S.A. Certified