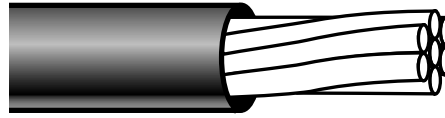


MIL-W-76 TYPE LW



Thermoplastic
Insulation

Tinned Copper
Stranded or Solid

For internal wiring of meters, panels and electronic equipment .

Electronic Hookup Wire

- Vinyl Primary Insulation
- Nominal .010" Wall (no outer covering)
- -40°C to +80°C
- 300 Volts. R.M.S. (working)
- Insulation is same as MIL-W-16878/1

Meets UL Style 1061 and CSA AWM II A/B (previously T2 S-R PVC).,

Military Voltage Rating	600 volts.
Factory Spark-Test Voltage	3400 VAC. 100% of all wire is tested at this voltage.
Insulation Breakdown Voltage	> 5000 volts, peak.
IR: Insulation Resistance, wet	> 1500 megohm/100 meter, metal to water bath at +20°C
Insulation Surface Resistance	> 5 megohm-inch (>1.97 megohm-cm) @ 500 VDC.
Nominal Dielectric Constant value	4.
Flame Properties	Self extinguishing. Meets UL VW-1
Cold Bending for gauges 26 to 32	Bends over 1 inch mandrel while at -54°C.
Cold Bending for gauges 14 to 24	Bends over 2 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
28	NLW128U	1	28	.0126	.320	.033	.838	70.8	232	1.00	1.49
28	NLW736U	7	36	.0180	.381	.035	.889	58.2	224	1.00	1.49
26	NLW126U	1	26	.0159	.404	.036	.914	44.5	146	1.35	2.00
26	NLW734U	7	34	.0190	.483	.039	.991	42.6	140	1.50	2.23
26	NLW1938U	19	38	.0190	.483	.039	.991	40.1	132	1.50	2.23
24	NLW124U	1	24	.0201	.511	.040	1.02	27.2	89	1.80	2.67
24	NLW732U	7	32	.0240	.610	.044	1.12	26.2	86	2.00	2.97
24	NLW1936U	19	36	.0240	.610	.044	1.12	25.4	83	2.00	2.97
22	NLW122U	1	22	.0253	.643	.046	1.17	17.2	56	2.60	3.87
22	NLW730U	7	30	.0300	.762	.050	1.27	16.7	55	3.00	4.46
22	NLW1934U	19	34	.0300	.762	.050	1.27	15.9	52	3.00	4.46
20	NLW120U	1	20	.0320	.813	.062	1.32	10.7	35	3.50	5.80
20	NLW728U	7	28	.0380	.965	.058	1.47	10.4	34	4.40	6.55
20	NLW1932U	19	32	.0380	.965	.058	1.47	9.76	32	4.50	6.70

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"