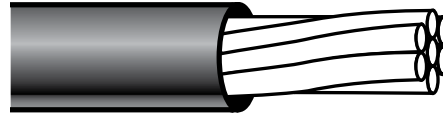


# U/L RECOGNIZED WIRE



Thermoplastic  
Insulation

Tinned Copper  
Stranded

Wires recognized by the Underwriters' Laboratories, Inc for operation in an air environment, U.L. File #E35793. Intended use: for further processing in cables for electronic equipment.

## U.L. AWM Style 1731

- U/L Recognized Appliance Wiring Material
- 105°C Service
- .009" Semi-Rigid Vinyl Insulation
- U.L. Rated: 300 Volt Service

Meets MIL-W-16878/1 and CSA Type I A/B (previously S-R PVC) for 80° Service, except where noted

Agency Voltage Rating	300 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 mtr, metal to water bath at +20°C
Nominal Dielectric Constant value	4
Flame Properties	Self extinguishing. Meets UL VW-1
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
30	N304-31-130U	1	30	.0100	.254	.030	.762	114.00	374	0.72	1.07
30	N304-31-738U	7	38	.0120	.305	.032	.813	108.00	354	0.75	1.12
28	N304-31-128U	1	28	.0126	.320	.033	.838	70.80	232	1.00	1.49
28	N304-31-736U	7	36	.0150	.381	.035	.889	68.20	224	1.00	1.49
28	N304-31-1940U*	19	40	.0150	.381	.036	.914	56.70	186	1.40	2.08
26	N304-31-126U	1	26	.0159	.404	.036	.914	44.50	146	1.35	2.00
26	N304-31-734U	7	34	.0190	.483	.039	.991	42.60	140	1.50	2.23
26	N304-31-1938U	19	38	.0190	.483	.039	.991	40.10	132	1.50	2.23
24	N304-31-124U	1	24	.0201	.511	.040	1.02	27.20	89	1.80	2.67
24	N304-31-732U	7	32	.0240	.610	.044	1.12	26.20	86	2.00	2.97
24	N304-31-1936U	19	36	.0240	.610	.044	1.12	25.40	83	2.00	2.97
22	N301-31-122U	1	22	.0253	.643	.046	1.17	17.20	56	2.60	3.87
22	N304-31-730U	7	30	.0300	.762	.050	1.27	16.70	55	3.00	4.46
22	N304-31-1934U	19	34	.0300	.762	.050	1.27	15.90	52	3.00	4.46
20	N304-31-120U	1	20	.0320	.813	.052	1.32	10.70	35	3.90	5.80
20	N304-31-728U	7	28	.0380	.965	.058	1.47	10.40	34	4.40	6.55
20	N304-31-1030U*	10	30	.0380	.965	.058	1.47	11.80	39	4.30	6.40
20	N304-31-1932U	19	32	.0380	.965	.058	1.47	9.76	32	4.50	6.70
18	N304-31-118U	1	18	.0403	1.02	.060	1.52	6.78	22	5.70	8.48
18	N304-31-726U	7	26	.0480	1.22	.068	1.73	6.54	21	6.10	9.08
18	N304-31-1630U*	16	30	.0450	1.14	.066	1.68	6.48	21	6.40	9.52
18	N304-31-1930U	19	30	.0480	1.22	.068	1.73	6.22	20	6.50	9.67
16	N304-31-116U	1	16	.0508	1.29	.071	1.80	4.26	14	9.50	14.10
16	N304-31-2630U*	26	30	.0550	1.40	.076	1.93	4.59	15	9.50	14.10

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, 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 "9-2-0". That color number, "9-2-0" is appended to the part number. Sample part number might be "xxxxxx-xxx-9-2-0"

\* Non-Military

# U/L RECOGNIZED WIRE

U.L. AWM Style 1731



## RoHS COMPLIANT PRODUCTS:

all RoHS products have the letter "R" written into the second position of the Part No.

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.	
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