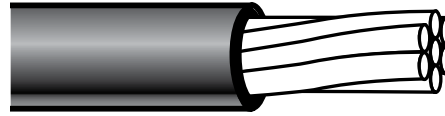


U/L RECOGNIZED WIRE



Thermoplastic
Insulation

Tinned Copper
Stranded

Wires recognized by the Underwriters' Laboratories, Inc for operation in an air or an oil environment, U.L. File #E35793.

U.L. AWM Style 1569

- U/L Recognized Appliance Wiring Material
- VW-1 Rated
- 80°C, 90°C or 105°C
- 1/64" Vinyl Insulation UL Rated
- 300 Volt Appliance 600 Volt Electronic

Meets MIL-W-16878/2 unless noted.
Also meets UL Style 1007, 80°C 300V

Agency Voltage Rating	300 V for appliance use, 600 V peak, for electronic use.
Factory Spark-Test Voltage	5000 VAC. 100% of all wire is tested at this voltage.
Insulation Breakdown Voltage	> 7000 volts, peak.
IR: Insulation Resistance, wet	> 2000 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
28	N303-69-736U	7	36	.0150	.300	.047	1.19	64.90	213	1.56	2.3
26	N303-69-126U	1	26	.0159	.404	.050	1.27	44.50	146	3.00	2.6
26	N303-69-734U	7	34	.0190	.483	.053	1.35	42.60	140	2.10	3.1
26	N303-69-1938U	19	38	.0190	.483	.053	1.35	40.10	132	2.20	3.3
24	N303-69-124U	1	24	.0201	.511	.054	1.37	27.20	89	2.50	3.7
24	N303-69-732U	7	32	.0240	.610	.058	1.47	26.20	86	2.60	3.9
24	N303-69-1936U	19	36	.0240	.610	.058	1.47	25.40	83	2.75	4.1
22	N303-69-122U	1	22	.0253	.643	.059	1.50	17.20	56	3.50	5.2
22	N303-69-730U	7	30	.0300	.762	.064	1.63	16.70	55	3.65	5.4
22	N303-69-1934U	19	34	.0300	.762	.064	1.63	15.90	52	3.75	5.6
20	N303-69-120U	1	20	.0320	.813	.066	1.68	10.70	35	5.30	7.9
20	N303-69-728U	7	28	.0380	.965	.072	1.83	10.40	34	5.40	8.0
20	N303-69-1030U	10	30	.0380	.965	.072	1.83	11.80	39	5.45	8.1
20	N303-69-1932U	19	32	.0380	.965	.072	1.83	9.76	32	5.50	8.2
18	N303-69-118U	1	18	.0403	1.02	.075	1.91	6.78	22	7.80	11.6
18	N303-69-726U	7	26	.0480	1.22	.082	2.00	6.54	21	7.90	11.8
18	N303-69-1630U*	16	30	.0450	1.14	.077	1.96	6.48	21	7.90	11.8
18	N303-69-1930U	19	30	.0480	1.22	.082	2.08	6.22	20	8.00	11.9
16	N303-69-116U	1	16	.0508	1.29	.085	2.16	4.26	14	8.50	12.7
16	N303-69-2630U	26	30	.0550	1.40	.094	2.39	4.59	15	10.50	15.6
14	N303-69-114U	1	14	.0641	1.63	.098	2.49	2.68	9.0	15.50	23.1
14	N303-69-4130U†	41	30	.0710	1.80	.112	2.84	2.94	9.7	14.50	21.5
12	N303-69-3728U‡	37	28	.0890	2.26	.124	3.15	2.01	6.6	25.00	37.2
12	N303-69-6530U‡	65	30	.0890	2.26	.132	3.35	1.85	6.1	25.30	37.7
10	N303-69-3726U‡	37	26	.1070	2.72	.139	3.53	1.26	4.1	32.00	47.26
10	N303-69-4927U‡	49	27	.1100	2.79	.142	3.61	1.09	3.6	33.70	50.0
10	N303-69-1053U‡	105	30	.1150	2.92	.149	3.79	.98	3.2	35.70	53.1

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

* Non-Military † Non-UL1007
‡ UL 1569 Only

U/L RECOGNIZED WIRE



U.L. AWM Style 1569

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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