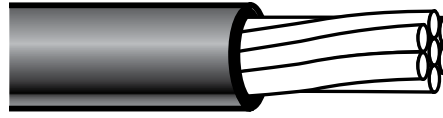


UL/CSA RECOGNIZED WIRE

SYNOPOSIS OF POPULAR UNDERWRITERS & CANADIAN STANDARDS ASSN. ELECTRONIC HOOK UP WIRES UNDERWRITERS APPLIANCE WIRING MATERIAL (AWM) HOOKUP WIRES

U.L. STYLE NUMBER	UL RATING		WIRE INSULATION TYPE	SIZE RANGE (AWG)	USAGE	
	VOLTAGE	TEMP °C				
1004 1005 1006	none none none	80 90 105	.008" PVC + nylon .008" PVC + nylon .008" PVC + nylon	30 - 16 30 - 16 30 - 16	General purpose appliance wiring.	
1503	150	85	.010" PVC + shid + jkt	26 - 20		
1007	300	80	1/64" PVC	32 - 16	600 volt rating for electronic use. Rated 300 volts for appliance usage.	
1569	300	105	1/64" PVC	30 - 10		
1008	300	80	1/64" PVC + nylon	28 - 12		
1009 1010	300 300	90 105	1/64" PVC + nylon 1/64" PVC + nylon	28 - 12 28 - 12		
1195 1208	300 300	80 80	.015" PVC .013" PVC	30 - 14 30 - 16	Internal wiring in electric bookkeeping, accounting or time-recording machine.	
1011 1013 1015 1015 1015 1015	600 600 600 600 600 600	80 90 105 105 105 105	1/32" PVC 1/32" PVC 1/32" PVC 1/32" PVC 1/32" PVC 1/32" PVC	28 - 9 28 - 9 28 - 9 8 - 7 6 - 2 1 - 3/0	Rated 600 volts for general appliance use, 2500 volts for electronic use.	
1012 1014 1016	600 600 600	80 90 105	1/32" PVC + nylon 1/32" PVC + nylon 1/32" PVC + nylon	28 - 9 28 - 9 28 - 9	General purpose appliance wiring 2500 volt electronic use.	
1017 1018 1019	600 600 600	80 80 80	3/64" PVC 3/64" PVC 1/16" PVC	22 - 8 8 - 6 8 - 2	General purpose appliance wiring.	
1020 1021 1022 1023	600 600 600 600	80 80 80 80	5/64" PVC 3/32" PVC 7/64" PVC 1/8" PVC	1 - 4/0 225 - 500 MCM 525 - 1M, MCM 1.1 - 2M, MCM		
1024 1025 1026 1027	600 600 600 600	90 90 90 90	3/64" PVC 1/16" PVC 1/16" PVC 5/64" PVC	22 - 8 8 - 6 8 - 2 1 - 4/0		
1028 1029	600/2500 600/2500	105 105	3/64" PVC 3/64" PVC + nylon	22 - 8 8 - 6		General purpose appliance wiring 2500 volts electronic use.
1316 1317 1318 1319 1320 1321	600 600 600 600 600 600	105 105 105 105 105 105	.015" + nylon .020" + nylon .030" + nylon .040" + nylon .050" + nylon .060" + nylon	26 - 12 10 8 - 6 4 - 2 1 - 4/0 250 - 100 MCM		General purpose appliance wiring. Similar to THHN.
1731	300	105	.009" PVC (semi-rigid)	32 - 16		For further processing in cables for electronic equipment.
1061	300	80	.009" PVC (semi-rigid)	30 - 16		Business machine and electronic equipment
1354	30	80 - 60	.002" - .125" P.E.	40 AWG Min.	Coaxial cable.	
1434	30	60	.009" - .012" F.R.P.E. + nylon	30 - 20	Flame retardant coaxial cable	
10493 10493 10493	300 300 300	80 80 80	.008" PP .010" PP .012" PP	32 - 20 18 - 16 14 - 10	For further processing in cables for electronic equipment or appliances	
CANADIAN STANDARDS ASSOCIATION CERTIFIED HOOKUP WIRES						
U.L. STYLE NUMBER	UL RATING		WIRE INSULATION TYPE	SIZE RANGE (AWG)	USAGE	
	VOLTAGE	TEMP °C				
TR-64 Radio Wire	300	90	1/64" PVC	28 - 14	General radio and electronic usage. Wires having both CSA and U.L. approval are available.	
TR-32 Radio Wire and AWM	600	90	1/32" PVC	24 - 10		
1 A/B	300	90	.009" PVC	30 - 16	(Previously S-R PVC, T2) Internal wiring of process control computers and business machines	
TEW	600	105	various PVC, walls 1/32" min.	26 - 4/0	Thermoplastic equipment wire	
1722	600	125	.031 TPR	28 - 10	600V Appliance 2500V Electronic Use	

CSA CERTIFIED WIRE



Thermoplastic
Insulation

Tinned Copper
Stranded

Wires certified by the Canadian Standards Association for radio or electronic use. Case File No. LL-32511, LR-39099.

CSA-Certified

- Type TEW Thermoplastic Equipment Wire
- 105°C, 600 Volt
- 1/32" Vinyl Insulation
- Also certified as CSA Type TR-32 Radio Wire 90°C, 600 Volt and AWM I A/B 105°C, 600 Volt

Agency Voltage Rating	600 Volts
Factory Spark-Test Voltage	8000 VAC. 100% of all wire is tested at this voltage.
Insulation Breakdown Voltage	> 11000 volts, peak.
IR: Insulation Resistance, wet	> 2900 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

Meets UL AWM style 1015 and MIL-W-16878/3, except where noted.

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	N307-124U	1	24	.0201	.511	.082	2.08	27.20	89	4.2	6.25
24	N307-732U	7	32	.0204	.610	.086	2.18	26.20	86	4.0	5.95
24	N307-1936U	19	36	.0240	.610	.086	2.18	25.40	83	4.1	6.10
22	N307-122U	1	22	.0253	.643	.088	2.24	17.20	56	5.0	7.44
22	N307-730U	7	30	.0300	.762	.092	2.34	16.70	55	5.2	7.74
22	N307-1934U	19	34	.0300	.762	.092	2.34	15.90	52	5.3	7.88
20	N307-120U	1	20	.0320	.813	.094	2.39	10.70	35	6.8	10.11
20	N307-728U	7	28	.0380	.965	.100	2.54	10.40	34	7.3	10.86
20	N307-1030U*	10	30	.0380	.965	.100	2.54	11.80	39	7.4	11.01
20	N307-1932U	19	32	.0380	.965	.100	2.54	9.76	32	7.3	10.86
18	N307-118U	1	18	.0403	1.02	.102	2.59	6.78	22	9.3	13.64
18	N307-726U	7	26	.0480	1.22	.110	2.79	6.54	21	9.7	14.43
18	N307-1630U*	16	30	.0450	1.22	.107	2.99	6.48	21	9.8	14.58
18	N307-1930U	19	30	.0480	1.22	.110	2.79	6.22	20	10.0	14.88
16	N307-116U	1	16	.0508	1.29	.113	2.87	4.26	14	12.6	18.75
16	N307-2630U	26	30	.0550	1.40	.117	2.97	4.59	15	12.5	18.60
14	N307-114U*	1	14	.0641	1.63	.126	3.20	2.68	9.0	16.9	25.15
14	N307-4130U	41	30	.0710	1.80	.134	3.40	2.94	9.7	17.9	26.64
12	N307-6530U	65	30	.0890	2.26	.165	4.19	1.85	6.1	28.5	42.41
10	N307-1053U*	105	30	.1150	2.92	.179	4.55	0.98	3.2	41.5	61.75

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

CSA CERTIFIED WIRE



Type TEW Thermoplastic Equipment Wire

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.	
				IN.	mm	IN.	mm	1000-ft	Km	LBS per 1000-ft	Kg/Km
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24	NR307-732U	7	32	.0204	.610	.086	2.18	26.20	86	4.0	5.95
24	NR307-1936U	19	36	.0240	.610	.086	2.18	25.40	83	4.1	6.10
22	NR307-122U	1	22	.0253	.643	.088	2.24	17.20	56	5.0	7.44
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