

Standard Concentric & Unilay Constructions



The cables shown on this page are most commonly produced in either bare or tin-plated copper. Cables made with silver-plated or nickel-plated copper are also offered. Please consult our design team for your specific requirements.

Tin-plated copper and nickel-plated copper are not available for constructions using 48 or 50 AWG wire.

New England Part Number	Equivalent AWG Size	Number of Wires	Wire AWG	Nominal OD	Circular Mil Area	Direct Current Resistance OHMS/1000 FT	LBS/1000 FT
NEC750B	42	7	50	.003	7.00	1692.00	.021
NEC748B	40	7	48	.004	10.08	1079.00	.034
NEC746B	38	7	46	.005	17.92	672.90	.054
NEC744B	36	7	44	.006	28.00	423.90	.087
NEC742B	34	7	42	.008	43.75	264.90	.136
NEC740B	32	7	40	.009	67.57	169.60	.210
NEC738B	30	7	38	.012	112.00	100.30	.349
NEC736B	28	7	36	.015	175.00	63.56	.546
NEC734B	26	7	34	.019	277.83	39.40	.866
NEC732B	24	7	32	.024	448.00	24.45	1.397
NEC730B	22	7	30	.030	700.00	15.57	2.182



New England Part Number*	Equivalent AWG Size	Number of Wires	Wire AWG	Nominal OD	Circular Mil Area	Direct Current Resistance OHMS/1000 FT	LBS/1000 FT
NEU1950B	38	19	50	.005	19.00	629.600	.059
NEU1948B	36	19	48	.006	27.36	401.300	.092
NEU1946B	34	19	46	.007	48.64	250.300	.147
NEU1944B	32	19	44	.010	76.00	157.700	.239
NEU1942B	30	19	42	.012	118.75	98.550	.374
NEU1940B	28	19	40	.015	182.59	63.080	.575
NEU1938B	26	19	38	.019	304.00	37.320	.957
NEU1936B	24	19	36	.024	475.00	23.640	1.50
NEU1934B	22	19	34	.030	754.11	14.770	2.38
NEU1932B	20	19	32	.038	1216.00	9.096	3.83
NEU1930B	18	19	30	.048	1900.00	5.793	5.98

*Preferred stranding.

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NEC1950B	38	19	50	.005	19.00	629.600	.059
NEC1948B	36	19	48	.006	27.36	401.300	.092
NEC1946B	34	19	46	.008	48.64	250.300	.147
NEC1944B	32	19	44	.010	76.00	157.700	.239
NEC1942B	30	19	42	.013	118.75	98.550	.374
NEC1940B	28	19	40	.016	182.59	63.080	.575
NEC1938B	26	19	38	.020	304.00	37.320	.957
NEC1936B	24	19	36	.025	475.00	23.640	1.50
NEC1934B	22	19	34	.032	754.11	14.770	2.38
NEC1932B	20	19	32	.040	1216.00	9.096	3.83
NEC1930B	18	19	30	.050	1900.00	5.793	5.98

All measurements are in inches unless otherwise stated.

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