



Charlotte™
Wire & Cable Company Inc.

“Taking Care of Business”

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STRANDED BARE COPPER CONDUCTOR TYPES (SIZES 17 - 9 AWG)

AWG SIZE	Number of Strands	Strand Class	Individual Strand Diameter	Overall Stranded Wire Diameter		Cross Sectional Area		Direct Current Resistance at 68Deg F/20Deg C (Ohms/1000ft)	Approximate Net Weight (lbs/1000ft)
			(in.)	(in.)	(mm)	(circular mils)	(mm ²)		
17	7 x .0167"	B	.0167"	.050"	1.27	1952	.989	5.063	6.030
16	7 x .0192"	B	.0192"	.058"	1.47	2580	1.307	4.100	7.970
16	7 x 24awg		.0201"	.060"	1.52	2828	1.433	3.750	8.730
16	19 x 29awg		.0113"	.057"	1.45	2426	1.229	4.350	7.550
16	26 x 30awg	K	.0103"	.059"	1.50	2600	1.317	4.050	8.040
16	65 x 34awg	M	.0063"	.059"	1.50	2580	1.307	4.400	8.030
16	105 x 36awg		.0050"	.063"	1.60	2625	1.330	4.500	8.260
15	7 x .0214"	B	.0214"	.064"	1.63	3206	1.625	3.184	9.900
14	7 x .0242"	B	.0242"	.073"	1.85	4110	2.083	2.580	12.690
14	7 x 22awg		.0254"	.076"	1.93	4481	2.271	2.360	13.830
14	19 x .0147"	C	.0147"	.074"	1.88	4110	2.083	2.580	12.690
14	19 x 27awg		.0142"	.071"	1.80	3831	1.941	2.760	11.830
14	41 x 30awg	K	.0103"	.071"	1.80	4125	2.090	2.580	12.730
14	105 x 34awg	M	.0063"	.080"	2.03	4167	2.111	2.720	13.120
14	168 x 36awg		.0050"	.080"	2.03	4200	2.128	2.720	13.220
14	1050 x 44awg		.0020"	.082"	2.08	4200	2.128	2.720	13.350
13	7 x .0265"	B	.0265"	.080"	2.03	4916	2.491	2.003	15.180
12	7 x .0305"	B	.0305"	.092"	2.34	6530	3.309	1.620	20.160
12	7 x 20awg		.0320"	.096"	2.44	7168	3.632	1.530	22.130
12	19 x .0185"	C	.0185"	.093"	2.36	6530	3.309	1.620	20.160
12	19 x 25awg		.0179"	.090"	2.29	6088	3.085	1.740	18.800
12	65 x 30awg	K	.0103"	.088"	2.24	6539	3.313	1.630	20.190
12	168 x 34awg	M	.0063"	.101"	2.57	6667	3.378	1.620	20.990
12	1666 x 44awg		.0020"	.108"	2.74	6664	3.377	1.620	21.790
11	19 x 24awg	B	.0201"	.095"	2.41	7676	3.890	1.260	23.700
10	7 x .0385"	B	.0385"	.112"	2.84	10380	5.260	1.020	32.050
10	19 x .0234"	C	.0234"	.117"	2.97	10380	5.260	1.020	32.050
10	27 x 24awg	I	.0201"	.117"	2.97	10910	5.528	1.020	33.700
10	37 x 26awg	D	.0159"	.111"	2.82	9354	4.740	1.130	28.880
10	49 x 27awg	G	.0142"	.116"	2.95	9879	5.006	1.090	29.900
10	65 x 28awg		.0126"	.112"	2.84	10385	5.262	1.020	32.060
10	105 x 30awg	K	.0103"	.118"	3.00	10530	5.336	.980	32.060
10	259 x 34awg	M	.0063"	.125"	3.18	10279	5.208	1.050	32.360
10	1092 x 40awg		.0032"	.130"	3.30	10494	5.317	1.020	32.070
9	7 x .0432"	B	.0432"	.130"	3.30	13090	6.633	.780	40.400
9	19 x 22awg	C	.0254"	.123"	3.13	12162	6.163	.793	37.500