



Standard Wire & Cable Co.

Bare Solid Soft Drawn Copper Wire QQ-W-343



CONDUCTOR: Electrolytic copper, fully annealed, smooth, bright finish.
USES: Conforms to Mil. Spec. QQ-W-343 & MIL-W-3861 Type S.

Catalog No.	Mil. Spec.	AWG Size	Diameter		Maximum Tensile Strength		Breaking Strength		Maximum DC Resistance		Weight	
			(in)	(mm)	(lbs / sq in)	(kgs / sq cm)	(max. lbs)	(max. kgs)	(ohms / 1000 ft)*	(ohms / km)*	(lbs / 1000 ft)	(kgs / km)
303-7	QQW343S30S1B	30	0.010	0.254	40,000	2,812	3.16	1.43	103	339	0.304	0.453
303-8	QQW343S28S1B	28	0.013	0.320	40,000	2,812	5.02	2.28	64.9	213	0.484	0.720
303-9	QQW343S26S1B	26	0.016	0.404	40,000	2,812	7.98	3.62	40.8	134	0.769	1.14
303-10	QQW343S24S1B	24	0.020	0.511	40,000	2,812	12.7	5.76	25.7	84.2	1.22	1.82
303-11	QQW343S22S1B	22	0.025	0.643	38,500	2,707	19.4	8.81	16.1	53.0	1.95	2.89
303-12	QQW343S20S1B	20	0.032	0.813	38,500	2,707	30.9	14.0	10.2	33.3	3.09	4.60
303-13	QQW343S18S1B	18	0.040	1.02	38,500	2,707	49.1	22.3	6.39	20.9	4.92	7.32
303-14	QQW343S16S1B	16	0.051	1.29	38,500	2,707	78.1	35.4	4.02	13.2	7.82	11.6
303-15	QQW343S14S1B	14	0.064	1.63	38,500	2,707	124	56.3	2.53	8.28	12.4	18.5
303-16	QQW343S12S1B	12	0.081	2.05	38,500	2,707	198	89.6	1.59	5.21	19.8	29.4
303-17	QQW343S10S1B	10	0.102	2.59	38,500	2,707	314	142	1.00	3.28	31.4	46.8
303-18	QQW343S08S1B	8	0.129	3.26	37,000	2,601	480	218	0.63	2.1	50.0	74.4

Tinned Solid Soft Drawn Copper Wire QQ-W-343



CONDUCTOR: Uniform thickness of pure tin coating, fully annealed, smooth, bright finish.
USES: Conforms to Mil. Spec. QQ-W-343 & MIL-W-3861 Type S.

Catalog No.	Mil. Spec.	AWG Size	Diameter		Maximum Tensile Strength		Breaking Strength		Maximum DC Resistance		Weight	
			(in)	(mm)	(lbs / sq in)	(kgs / sq cm)	(max. lbs)	(max. kgs)	(ohms / 1000 ft)*	(ohms / km)*	(lbs / 1000 ft)	(kgs / km)
302-3	QQW343S38S1T	38	0.004	0.102	40,000	2,812	0.494	0.224	708	2,323	0.048	0.072
302-4	QQW343S36S1T	36	0.005	0.127	40,000	2,812	0.785	0.356	445	1,461	0.076	0.113
302-5	QQW343S34S1T	34	0.006	0.160	40,000	2,812	1.25	0.567	280	919	0.120	0.179
302-6	QQW343S32S1T	32	0.008	0.203	40,000	2,812	1.99	0.901	176	578	0.191	0.285
302-7	QQW343S30S1T	30	0.010	0.254	40,000	2,812	3.16	1.43	111	364	0.304	0.453
302-8	QQW343S28S1T	28	0.013	0.320	39,000	2,742	5.02	2.28	68.9	226	0.484	0.720
302-9	QQW343S26S1T	26	0.016	0.404	39,000	2,742	7.98	3.62	43.3	142	0.769	1.14
302-10	QQW343S24S1T	24	0.020	0.511	39,000	2,742	12.7	5.76	27.3	89.4	1.22	1.82
302-11	QQW343S22S1T	22	0.025	0.643	38,500	2,707	19.4	8.81	17.0	55.7	1.95	2.89
302-12	QQW343S20S1T	20	0.032	0.813	38,500	2,707	30.9	14.0	10.6	34.6	3.09	4.60
302-13	QQW343S18S1T	18	0.040	1.02	38,500	2,707	49.1	22.3	6.64	21.8	4.92	7.32
302-14	QQW343S16S1T	16	0.051	1.29	38,500	2,707	78.1	35.4	4.18	13.7	7.82	11.6
302-15	QQW343S14S1T	14	0.064	1.63	38,500	2,707	124	56.3	2.63	8.62	12.4	18.5
302-16	QQW343S12S1T	12	0.081	2.05	38,500	2,707	198	89.6	1.65	5.42	19.8	29.4
302-17	QQW343S10S1T	10	0.102	2.59	38,500	2,707	314	142	1.04	3.41	31.4	46.8
302-18	QQW343S08S1T	8	0.129	3.26	37,000	2,601	480	218	0.646	2.12	50.0	74.4
302-19	QQW343S06S1T	6	0.162	4.11	37,000	2,601	783	355	0.407	1.33	79.4	118

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