

BARE COPPER—continued.

(D.) 7/064 in. (7/16 S.W.G.).

Constants.—Area, 0.0225 sq. in.; diameter, 0.192 in.; loading factor, 3.42; maximum tension in conductor, 562 lb.; weight, 0.0885 lb. per foot.

Span.	Datum.		Degrees Fahrenheit above Datum.									
	0.		20.		40.		60.		80.		100.	
	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.
Ft.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
180 ..	425	0 10	360	1 0	298	1 2	245	1 5	202	1 9	170	2 1
220 ..	371	1 5	313	1 8	263	2 0	225	2 5	192	2 10	169	3 2
260 ..	319	2 4	273	2 9	237	3 2	206	3 7	186	4 0	167	4 6
300 ..	276	3 7	244	4 1	218	4 7	197	5 1	180	5 6	167	6 0
340 ..	248	5 2	225	5 8	206	6 2	190	6 9	178	7 2	167	7 8
380 ..	228	7 0	211	7 7	197	8 1	185	8 8	175	9 1	167	9 7

(E.) 7/080 in. (7/14 S.W.G.).

Constants.—Area, 0.0352 sq. in.; diameter, 0.240 in.; loading factor, 2.795; maximum tension in conductor, 880 lb.; weight, 0.1379 lb. per foot.

Span.	Datum.		Degrees Fahrenheit above Datum.									
	0.		20.		40.		60.		80.		100.	
	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.
Ft.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
180 ..	745	0 9	636	0 10½	534	1 0½	441	1 3	362	1 6½	299	1 10½
220 ..	687	1 2½	586	1 5	495	1 8	416	2 0	352	2 4½	302	2 9
260 ..	625	1 10½	536	2 2	460	2 6	396	2 11	345	3 4½	305	3 10
300 ..	565	2 9	491	3 2	430	3 7	379	4 1	339	4 7	306	5 1
340 ..	514	3 10½	455	4 4½	407	4 11	367	5 5	335	5 11½	308	6 6
380 ..	473	5 3	427	5 10	389	6 5	357	7 0	331	7 6	309	8 1

(F.) 7/092 in. (7/13 S.W.G.).

Constants.—Area, 0.0465 sq. in.; diameter, 0.276 in.; loading factor, 2.48; maximum tension in conductor, 1,163 lb.; weight, 0.1824 lb. per foot.

Span.	Datum.		Degrees Fahrenheit above Datum.									
	0.		20.		40.		60.		80.		100.	
	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.
Ft.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
180 ..	1028	0 8½	882	0 10	744	1 0	617	1 2	506	1 6	417	1 9
220 ..	967	1 2	830	1 4	704	1 7	592	1 10	499	2 3	426	2 7
260 ..	902	1 9	778	2 0	666	2 4	572	2 8	495	3 1	433	3 7
300 ..	837	2 5	728	2 10	633	3 3	554	3 8	491	4 2	439	4 8
340 ..	775	3 5	682	3 10	604	4 4	539	4 11	487	5 5	444	5 11
380 ..	722	4 8	645	5 1	581	5 8	528	6 3	484	6 10	447	7 4

(G.) 7/104 in. (7/12 S.W.G.).

Constants.—Area, 0.0595 sq. in.; diameter, 0.312 in.; loading factor, 2.243; maximum tension in conductor, 1,487 lb.; weight, 0.2331 lb. per foot.

Span.	Datum.		Degrees Fahrenheit above Datum.									
	0.		20.		40.		60.		80.		100.	
	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.
Ft.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
180 ..	1351	0 8	1165	0 10	984	1 0	818	1 2	672	1 5	553	1 8
220 ..	1290	1 1	1114	1 3	946	1 6	798	1 9	671	2 1	570	2 6
260 ..	1223	1 7	1059	1 10	908	2 2	778	2 6	670	2 11	583	3 5
300 ..	1155	2 3	1005	2 7	872	3 0	761	3 5	669	3 11	595	4 5
340 ..	1087	3 1	956	3 6	841	4 0	747	4 6	668	5 0	604	5 7
380 ..	1024	4 1	911	4 7	814	5 2	734	5 9	667	6 4	612	6 9