

TRIPLE-BRAIDED COPPER—continued.

(B.) 7/052 in.

Constants.—Area (copper), 0.01483 sq. in.; diameter (covered), 0.327 in.; loading factor, 5.65; maximum tension in conductor, 371 lb.; weight of covered conductor, 0.0882 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 ..	87	4 1	82	4 4	78	4 7	74	4 9	71	5 0	68	5 3
220 ..	78	6 10	76	7 0	73	7 3	71	7 6	69	7 8	67	7 11
260 ..	74	10 0	73	10 3	71	10 6	70	10 8	68	10 11	67	11 2
300 ..	72	13 10	71	14 0	70	14 3	68	14 5	67	14 8	66	14 11
340 ..	70	18 2	69	18 4	68	18 6	68	18 9	67	18 11	66	19 2
380 ..	69	22 11	68	23 1	68	23 4	67	23 7	67	23 9	66	23 11

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

Constants.—Area (copper), 0.0225 sq. in.; diameter (covered), 0.388 in.; loading factor, 4.31; maximum tension in conductor, 562 lb.; weight of covered conductor, 0.1387 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 ..	175	3 2	165	3 5	155	3 7	147	3 10	139	4 0	133	4 3
220 ..	157	5 4	151	5 6	146	5 9	141	5 11	136	6 2	132	6 4
260 ..	148	7 11	144	8 1	141	8 4	137	8 6	134	8 9	131	8 11
300 ..	143	10 10	140	11 1	138	11 3	136	11 6	133	11 8	131	11 11
340 ..	140	14 4	138	14 6	136	14 8	134	14 11	132	15 1	131	15 4
380 ..	138	18 2	136	18 4	135	18 6	133	18 9	132	18 11	131	19 1

(D.) 7/083 in.

Constants.—Area (copper), 0.03787 sq. in.; diameter (covered), 0.429; loading factor, 4.530; maximum tension in conductor, 947 lb.; weight of covered conductor, 0.1973 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 ..	587	1 4	498	1 7	424	1 11	365	2 2	319	2 6	284	2 10
220 ..	483	2 6	423	2 10	375	3 2	337	3 7	307	3 11	282	4 3
260 ..	414	4 0	377	4 5	345	4 10	320	5 3	299	5 7	281	5 11
300 ..	373	5 11	348	6 4	327	6 9	309	7 2	294	7 7	280	7 11
340 ..	348	8 2	331	8 7	316	9 0	302	9 5	290	9 10	280	10 2
380 ..	332	10 9	319	11 2	307	11 7	297	12 0	288	12 5	279	12 9

(E.) 19/052 in.

Constants.—Area (copper), 0.0403 sq. in.; diameter (covered), 0.482 in.; loading factor, 3.27; maximum tension in conductor, 1,008 lb.; weight of covered conductor, 0.2324 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 ..	595	1 7	509	1 10	442	2 1	390	2 5	347	2 8	311	3 0
220 ..	497	2 10	442	3 2	399	3 6	363	3 10	334	4 2	310	4 6
260 ..	434	4 6	401	4 11	374	5 3	347	5 8	327	6 0	310	6 4
300 ..	396	6 7	374	7 0	355	7 4	337	7 9	322	8 1	309	8 6
340 ..	373	9 0	357	9 5	343	9 10	331	10 2	320	10 6	309	10 11
380 ..	357	11 8	347	12 1	335	12 6	326	12 10	317	13 2	308	13 7