

V.I.R. COPPER—continued.

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

Constants.—Area (copper), 0.0225 sq. in.; diameter (covered), 0.359 in.; loading factor, 2.88; maximum tension in conductor, 562 lb.; weight of covered conductor, 0.1328 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.
120 ..	468 0	6 6	399 0	7 7	333 0	8 ½	275 0	10 10	225 1	1 1	186 1	3 3
140 ..	438 0	9 9	373 0	10 10	313 1	0 0	262 1	3 3	220 1	6 6	188 1	9 9
160 ..	407 1	1 1	347 1	3 3	295 1	6 6	251 1	9 9	216 2	1 1	189 2	4 4
180 ..	376 1	6 6	323 1	9 9	278 2	0 0	242 2	4 4	213 2	8 8	190 2	11 11

(D.) 19/052 in.

Constants.—Area (copper), 0.0403 sq. in.; diameter (covered), 0.441 in.; loading factor, 2.18; maximum tension in conductor, 1,008 lb.; weight of covered conductor, 0.2278 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.
120 ..	928 0	5 ½	800 0	6 6	677 0	7 7	562 0	8 ½	460 0	11 11	376 1	1 1
140 ..	902 0	7 ½	778 0	8 ½	661 0	10 10	553 1	0 0	461 1	2 2	386 1	5 5
160 ..	873 0	10 10	754 1	0 0	643 1	2 2	544 1	4 4	461 1	7 7	394 1	10 10
180 ..	842 1	1 1	729 1	3 3	626 1	6 6	536 1	9 9	461 2	0 0	401 2	4 4

(E.) 19/064 in. (19/16 S.W.G.).

Constants.—Area (copper), 0.0611 sq. in.; diameter (covered), 0.513 in.; loading factor, 1.85; maximum tension in conductor, 1,525 lb.; weight of covered conductor, 0.3285 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.
120 ..	1453 0	5 5	1258 0	5 ½	1068 0	6 ½	889 0	8 8	726 0	10 10	589 1	0 0
140 ..	1429 0	7 7	1238 0	8 8	1055 0	9 9	884 0	11 11	733 1	1 1	608 1	4 4
160 ..	1403 0	9 9	1217 0	10 10	1041 1	0 0	881 1	2 2	741 1	5 5	626 1	8 8
180 ..	1373 1	0 0	1194 1	1 1	1026 1	4 4	876 1	6 6	747 1	9 9	642 2	1 1

(F.) 19/072 in. (19/15 S.W.G.).

Constants.—Area (copper), 0.0774 sq. in.; diameter (covered), 0.596 in.; loading factor, 1.78; maximum tension in conductor, 1,935 lb.; weight of covered conductor, 0.409 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.
120 ..	1858 0	4 ¾	1608 0	5 ½	1366 0	6 ½	1136 0	8 8	928 0	9 ½	751 1	0 0
140 ..	1831 0	6 ¾	1586 0	7 ½	1352 0	9 9	1133 0	10 ½	938 1	1 1	775 1	3 3
160 ..	1802 0	8 ¾	1564 0	10 10	1338 1	0 0	1130 1	2 2	949 1	4 4	799 1	8 8
180 ..	1769 0	11 11	1539 1	1 1	1322 1	3 3	1127 1	5 5	960 1	9 9	821 2	0 0