

TRIPLE-BRAIDED COPPER—continued.

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

Constants.—Area (copper), 0.0611 sq. in.; diameter (covered), 0.598 in.; loading factor, 2.84; maximum tension in conductor, 1,525 lb.; weight of covered conductor, 0.3378 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 ..	1259	1 0	1070	1 3	900	1 6	744	1 10	616	2 3	517	2 8
220 ..	1141	1 9	974	2 1	824	2 6	699	2 11	599	3 5	522	3 11
260 ..	1021	2 10	882	3 3	763	3 9	666	4 3	586	4 10	524	5 5
300 ..	919	4 2	806	4 9	713	5 4	637	6 0	576	6 7	526	7 3
340 ..	834	5 10	747	6 6	676	7 3	616	7 11	569	8 7	528	9 3
380 ..	770	7 11	703	8 8	648	9 5	602	10 1	563	10 10	530	11 6

TABLE VI.—V.I.R. (H.D.) COPPER.

Wind, 18 lb. per square foot of diametral plane.

Constants.—Coefficient of thermal expansion = 9.45×10^{-6} per degree Fahrenheit; maximum allowable stress = 25,000 lb. per square inch; modulus of elasticity = 18×10^6 lb. per square inch.

NOTE.—In computing the loading factor for this table the weight and diameter of the covered wire only has been used.

(A.) 7/044 in.

Constants.—Area (copper), 0.01064 sq. in.; diameter (covered), 0.287 in.; loading factor, 6.09; maximum tension in conductor, 266 lb.; weight of covered conductor, 0.0717 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 ..	52	5 7	50	5 9	49	5 11	47	6 2	46	6 4	45	6 6
220 ..	49	8 10	48	9 0	47	9 3	46	9 5	45	9 7	44	9 9
260 ..	47	12 10	46	13 0	46	13 2	45	13 4	45	13 6	44	13 8
300 ..	46	17 5	46	17 7	45	17 9	45	17 11	44	18 1	44	18 3
340 ..	46	22 8	45	22 10	45	23 0	44	23 2	44	23 4	44	23 6
380 ..	45	28 6	45	28 8	44	28 11	44	29 1	44	29 3	44	29 5

(B.) 7/052 in.

Constants.—Area (copper), 0.01483 sq. in.; diameter (covered), 0.317 in.; loading factor, 5.14; maximum tension in conductor, 371 lb.; weight of covered conductor, 0.0945 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 ..	97	3 11	92	4 2	86	4 5	83	4 7	78	4 10	75	5 1
220 ..	87	6 7	84	6 10	82	7 0	77	7 3	76	7 6	74	7 9
260 ..	82	9 9	80	10 0	78	10 2	76	10 5	75	10 8	73	10 11
300 ..	79	13 5	78	13 7	76	13 10	75	14 1	74	14 4	73	14 6
340 ..	77	17 7	76	17 9	75	18 0	74	18 3	74	18 6	73	18 8
380 ..	76	22 3	75	22 5	75	22 8	74	22 11	73	23 1	73	23 4