

PRIMARY CONSTANTS OF NONLOADED CABLE
22-GAUGE ASA, BSA, CSA, DSA, ESA

FREQ. kHz	-----PER MILE AT 68° F.*-----			
	R ohms	L mH	G μmhos	C μF
0	173.0	.874	.082	.0825
.1	173.0	.873	.124	.0822
.2	173.0	.872	.194	.0822
.3	173.0	.872	.281	.0821
.5	173.1	.871	.494	.0821
1	173.2	.870	1.19	.0820
2	173.3	.869	3.06	.0819
3	173.5	.867	5.39	.0818
5	173.8	.866	11.08	.0817
10	174.8	.862	29.62	.0816
15	176.0	.860	52.75	.0815
20	177.3	.858	79.46	.0815

THROUGH CARRIER FREQUENCIES

FREQ. kHz	-----PER MILE AT 55° F.*-----			
	R ohms	L mH	G μmhos	C μF
0	168.1	.874	.091	.0821
.1	168.1	.872	.138	.0818
.2	168.1	.872	.216	.0818
.5	168.2	.871	.550	.0817
1	168.3	.869	1.32	.0816
2	168.4	.868	3.41	.0815
5	168.9	.865	12.33	.0814
10	169.9	.862	33.00	.0813
15	171.0	.859	58.73	.0812
20	172.3	.857	88.43	.0811
50	180	.853	290	.0810
100	209	.844	690	.0809
200	262	.816	1620	.0808
250	286	.803	2130	.0808
500	386	.759	4820	.0808
1000	545	.725	10230	.0808
2000	770	.698	20770	.0808
4000	1090	.683	41300	.0808
5000	1220	.678	50200	.0808
10000	1725	.664	90200	.0808

* For temperature variations see page 2.

ESTIMATED AVERAGE TEMPERATURE VARIATION*

FREQ. kHz	-----PER MILE PER DEGREE F.-----			
	R ohms	L mH	G μ mhos	C μ F
0	.38	.000044	- .00071	.000029
.1	.38	.000044	- .0011	.000029
.2	.38	.000044	- .0017	.000029
.3	.38	.000044	- .0024	.000029
.5	.38	.000044	- .0043	.000029
1	.38	.000044	- .010	.000029
2	.38	.000044	- .027	.000029
3	.38	.000044	- .047	.000029
5	.38	.000044	- .096	.000029
10	.38	.000044	- .26	.000029
15	.38	.000044	- .46	.000029
20	.38	.000044	- .69	.000029
50	.38	.000060	- 2.00	.000030
100	.38	.000084	- 4.07	.000032
200	.38	**	- 7.33	.000035
250	.39		- 8.55	.000036
500	.45		-11.73	.000040
1000	.60		**	.000045
2000	.85			.000053
4000	1.21			**
5000	1.35			
10000	1.91			

* Average values between 34° and 76° F.

** Effect of temperature variation at higher frequencies is uncertain.