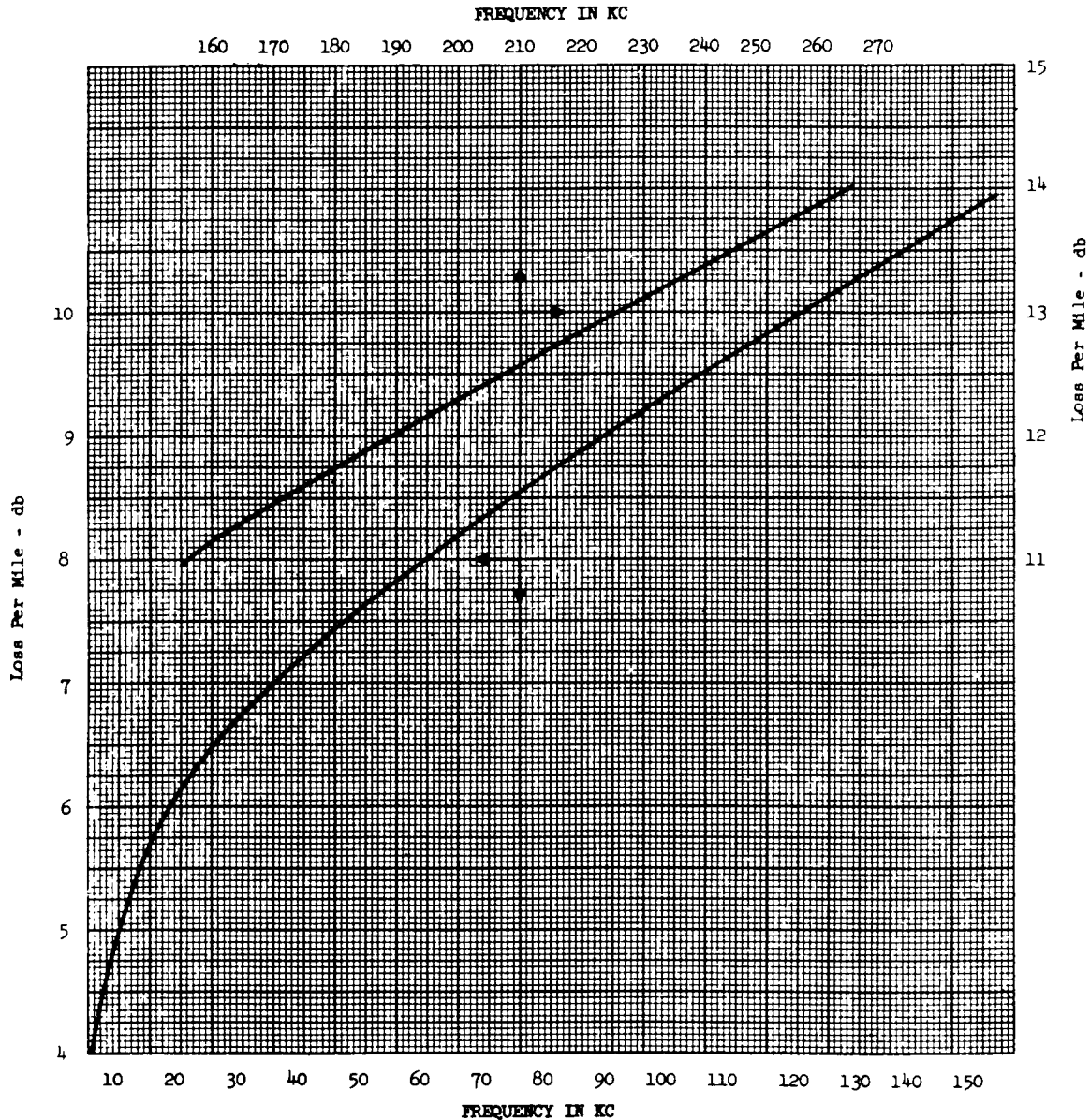


**CABLE LOSSES AT CARRIER FREQUENCIES**  
**22 GAUGE CSA CABLE**  
**(.082 mf/mile)**  
**Losses in db/mile at 55°F.**

Applies to a pair having nominal capacitance; measured losses may vary  $\pm 10\%$



**APPROXIMATE CHANGES IN CARRIER  
CABLE ATTENUATION AND TEMPERATURE COEFFICIENTS**

	K CARRIER					N AND ON CARRIER		
Frequency in kc	12	28	57	60	40	128	176	264
Attenuation (db/mile)	5.15	6.64	7.88	8.00	7.24	10.22	11.62	14.04
Temp. Coefficient (db/mi./10°F.)	.076	.108	.144	.146	.133	.153	.154	.162

**22 GAUGE CSA CABLE**  
(.082 mf/mile)

**Types N and ON Carrier Engineering Data**  
(Values in db at 55°F.)

Low Group 128 KC Loss N Channel 2 ON Carrier 1	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		1.02	2.04	3.07	4.09	5.11	6.13	7.15	8.18	9.20
	1	10.22	11.24	12.26	13.29	14.31	15.33	16.35	17.37	18.40	19.42
	2	20.44	21.46	22.48	23.51	24.53	25.55	26.57	27.59	28.62	29.64
	3	30.66	31.68	32.70	33.73	34.75	35.77	36.79	37.81	38.84	39.86
	4	40.88	41.90	42.92	43.95	44.97	45.99	47.01	48.03	49.06	50.08
5	51.10	52.12	53.14	54.17	55.19	56.21	57.23	58.25	59.28	60.30	

High Group 176 KC Loss N Channel 2 ON Carrier 1	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		1.16	2.32	3.49	4.65	5.81	6.97	8.13	9.30	10.46
	1	11.62	12.78	13.94	15.11	16.27	17.43	18.59	19.75	20.92	22.08
	2	23.24	24.40	25.56	26.73	27.89	29.05	30.21	31.37	32.54	33.70
	3	34.86	36.02	37.18	38.35	39.51	40.67	41.83	42.99	44.16	45.32
	4	46.48	47.64	48.80	49.97	51.13	52.29	53.45	54.61	55.78	56.94
5	58.10	59.26	60.42	61.59	62.75	63.91	65.07	66.23	67.40	68.56	

Low Group Positive (-) Slope (Difference between 128 KC and 40 KC Losses)	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.30	.60	.89	1.19	1.49	1.79	2.09	2.38	2.68
	1	2.98	3.28	3.58	3.87	4.17	4.47	4.77	5.07	5.36	5.66
	2	5.96	6.26	6.56	6.85	7.15	7.45	7.75	8.05	8.34	8.64
	3	8.94	9.24	9.54	9.83	10.13	10.43	10.73	11.03	11.32	11.62
	4	11.92	12.22	12.52	12.81	13.11	13.41	13.71	14.01	14.30	14.60
5	14.90	15.20	15.50	15.79	16.09	16.39	16.69	16.99	17.28	17.58	

High Group Negative (-) Slope (Difference between 264 KC and 176 KC Losses)	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.24	.48	.73	.97	1.21	1.45	1.69	1.94	2.18
	1	2.42	2.66	2.90	3.15	3.39	3.63	3.87	4.11	4.36	4.60
	2	4.84	5.08	5.32	5.57	5.81	6.05	6.29	6.53	6.78	7.02
	3	7.26	7.50	7.74	7.99	8.23	8.47	8.71	8.95	9.20	9.44
	4	9.68	9.92	10.16	10.41	10.65	10.89	11.13	11.37	11.62	11.86
5	12.10	12.34	12.58	12.83	13.07	13.31	13.55	13.79	14.04	14.28	