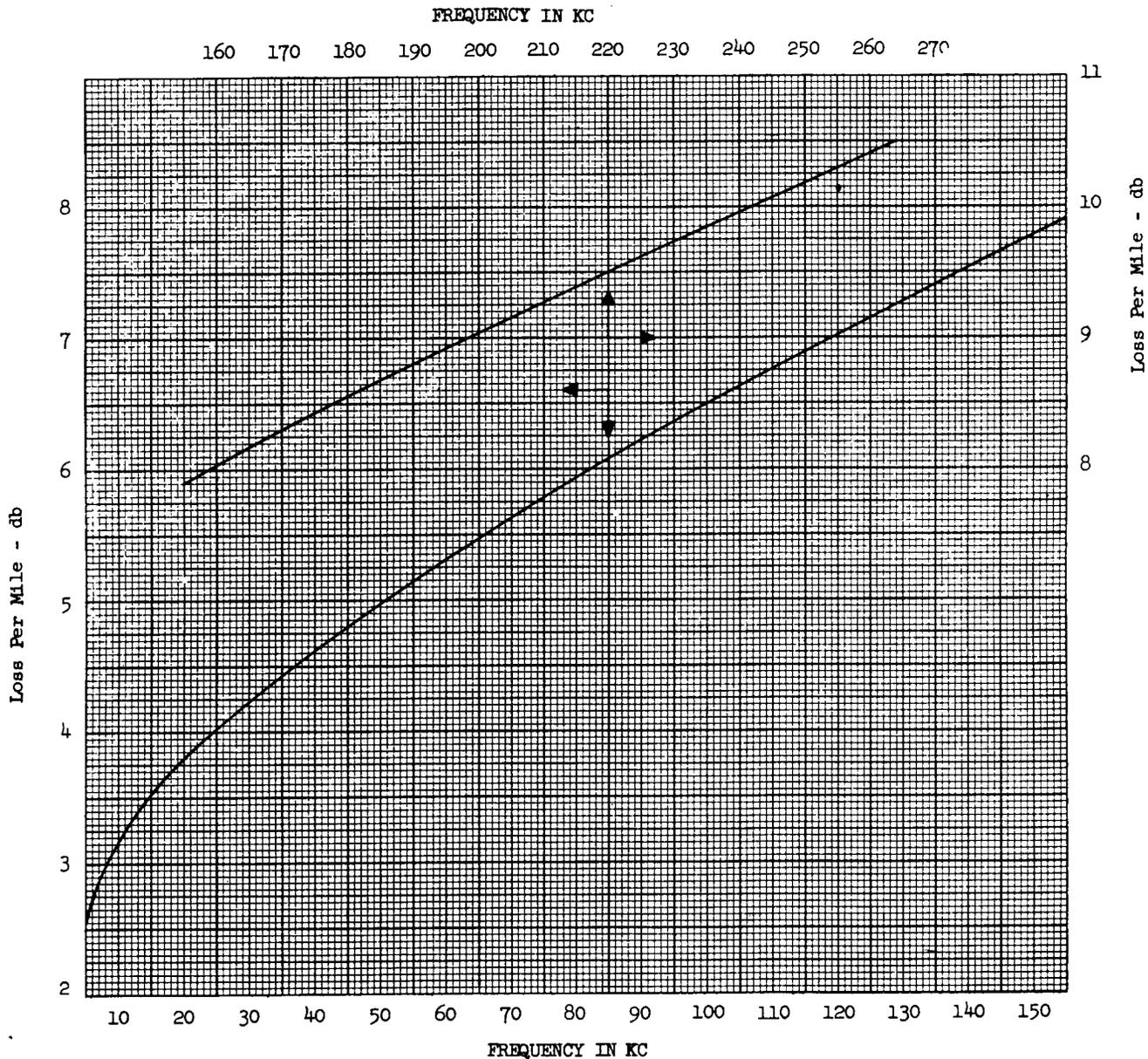


CABLE LOSSES AT CARRIER FREQUENCIES 19 GAUGE CNB OR ENB CABLE

(.084 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)	3.33	4.15	5.21	5.31	4.62	7.23	8.47	10.50
Temp. Coefficient (db/mi./10°F.)	.060	.069	.079	.079	.077	.081	.083	.091

19 GAUGE CNB OR ENB CABLE
(.084 n"/mile)

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

	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	Low Group 128 KC Loss N Channel 2 ON Carrier 1	0		.72	1.45	2.17	2.89	3.62	4.34	5.06	5.78
1		7.23	7.95	8.68	9.40	10.12	10.85	11.57	12.29	13.01	13.74
2		14.46	15.18	15.91	16.63	17.35	18.08	18.80	19.52	20.24	20.97
3		21.69	22.41	23.14	23.86	24.58	25.31	26.03	26.75	27.47	28.20
4		28.92	29.64	30.37	31.09	31.81	32.54	33.26	33.98	34.70	35.43
5		36.15	36.87	37.60	38.32	39.04	39.77	40.49	41.21	41.93	42.66
6		43.38	44.10	44.83	45.55	46.27	47.00	47.72	48.44	49.16	49.89
7		50.61	51.33	52.06	52.78	53.50	54.23	54.95	55.67	56.39	57.12
8											
9											

	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	High Group 176 KC Loss N Channel 2 ON Carrier 1	0		.85	1.69	2.54	3.39	4.24	5.08	5.93	6.78
1		8.47	9.32	10.16	11.01	11.86	12.71	13.55	14.40	15.25	16.09
2		16.94	17.79	18.63	19.48	20.33	21.18	22.02	22.87	23.72	24.56
3		25.41	26.26	27.10	27.95	28.80	29.65	30.49	31.34	32.19	33.03
4		33.88	34.73	35.57	36.42	37.27	38.12	38.96	39.81	40.66	41.50
5		42.35	43.20	44.04	44.89	45.74	46.59	47.43	48.28	49.13	49.97
6		50.82	51.67	52.51	53.36	54.21	55.06	55.90	56.75	57.60	58.44
7		59.29	60.14	60.98	61.83	62.68	63.53	64.37	65.22	66.07	66.91
8		67.76	68.61	69.45	70.30	71.15	72.00	72.84	73.69	74.54	75.38
9		76.23	77.08	77.92	78.77	79.62	80.47	81.31	82.16	83.01	83.85

	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	Low Group Positive (+) Slope (Difference between 128 KC and 40 KC Losses)	0		.26	.53	.79	1.06	1.32	1.58	1.85	2.11
1		2.64	2.90	3.17	3.43	3.70	3.96	4.22	4.49	4.75	5.02
2		5.28	5.54	5.81	6.07	6.34	6.60	6.86	7.13	7.39	7.66
3		7.92	8.18	8.45	8.71	8.98	9.24	9.50	9.77	10.03	10.30
4		10.56	10.82	11.09	11.35	11.62	11.88	12.14	12.41	12.67	12.94
5		13.20	13.46	13.73	13.99	14.26	14.52	14.78	15.05	15.31	15.58
6		15.84	16.10	16.37	16.63	16.90	17.16	17.42	17.69	17.95	18.22
7		18.48	18.74	19.01	19.27	19.54	19.80	20.06	20.33	20.59	20.86
8		21.12	21.38	21.65	21.91	22.18	22.44	22.70	22.97	23.23	23.50
9		23.76	24.02	24.29	24.55	24.82	25.08	25.34	25.61	25.87	26.14

	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	High Group Negative (-) Slope (Difference between 264 KC and 176 KC Losses)	0		.20	.41	.61	.81	1.02	1.22	1.42	1.62
1		2.03	2.23	2.44	2.64	2.84	3.05	3.25	3.45	3.65	3.86
2		4.06	4.26	4.47	4.67	4.87	5.08	5.28	5.48	5.68	5.89
3		6.09	6.29	6.50	6.70	6.90	7.11	7.31	7.51	7.71	7.92
4		8.12	8.32	8.53	8.73	8.93	9.14	9.34	9.54	9.74	9.95
5		10.15	10.35	10.56	10.76	10.96	11.17	11.37	11.57	11.77	11.98
6		12.18	12.38	12.59	12.79	12.99	13.20	13.40	13.60	13.80	14.01
7		14.21	14.41	14.62	14.82	15.02	15.23	15.43	15.63	15.83	16.04
8		16.24	16.44	16.65	16.85	17.05	17.26	17.46	17.66	17.86	18.07
9		18.27	18.47	18.68	18.88	19.08	19.29	19.49	19.69	19.89	20.10