

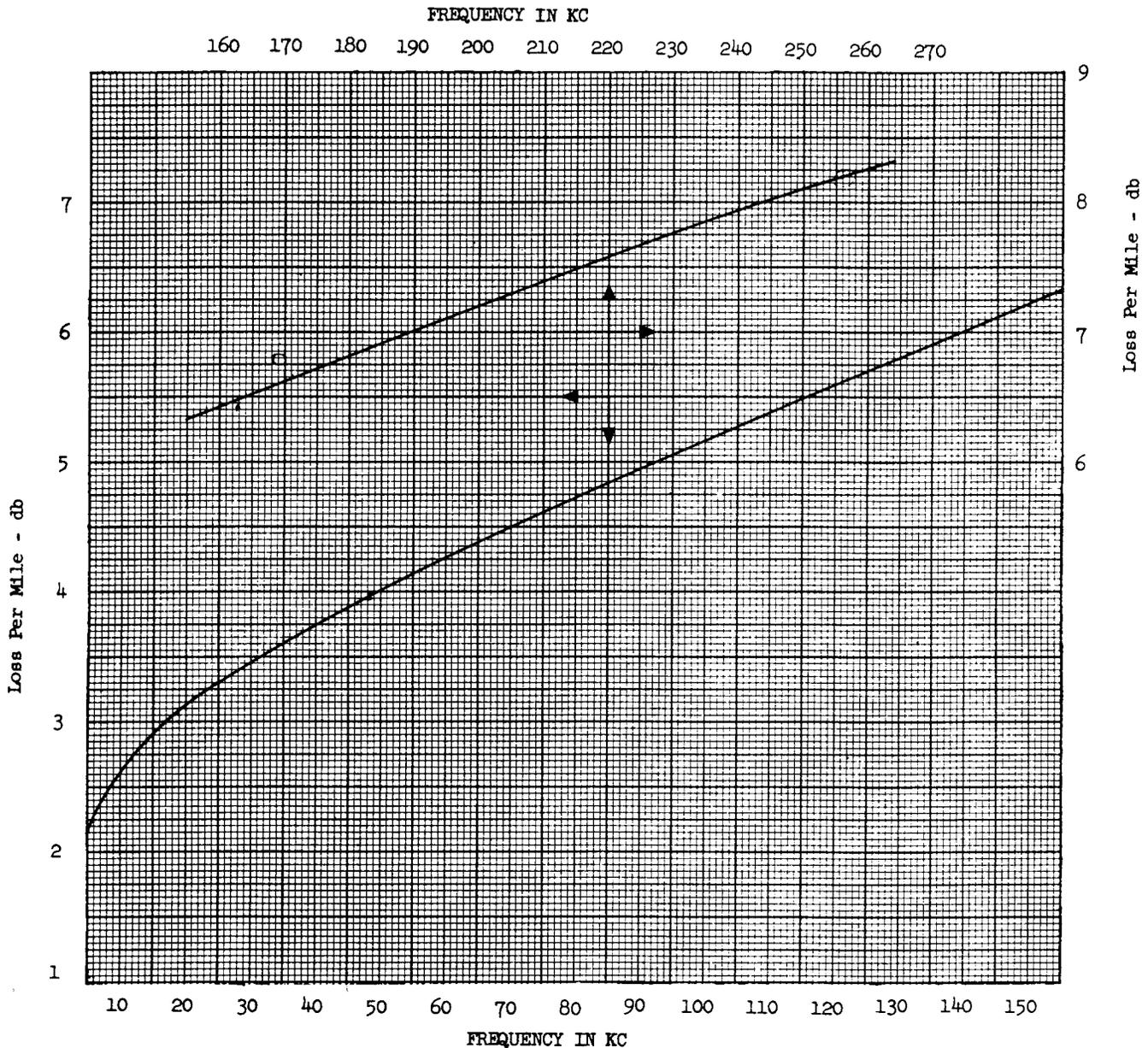
CABLE LOSSES AT CARRIER FREQUENCIES

19 GAUGE DNB CABLE

(.066 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)	2.75	3.40	4.18	4.26	3.75	5.76	6.75	8.32
Temp. Coefficient (db/mi./10°F.)	.052	.057	.062	.062	.062	.060	.059	.064

19 GAUGE DNB CABLE
(.066 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		.58	1.15	1.73	2.30	2.88	3.46	4.03	4.61	5.18
1	5.76	6.34	6.91	7.49	8.06	8.64	9.22	9.79	10.37	10.94	
2	11.52	12.10	12.67	13.25	13.82	14.40	14.98	15.55	16.13	16.70	
3	17.28	17.86	18.43	19.01	19.58	20.16	20.74	21.31	21.89	22.46	
4	23.04	23.62	24.19	24.77	25.34	25.92	26.50	27.07	27.65	28.22	
5	28.80	29.38	29.95	30.53	31.10	31.68	32.26	32.83	33.41	33.98	
6	34.56	35.14	35.71	36.29	36.86	37.44	38.01	38.59	39.17	39.74	
7	40.32	40.89	41.47	42.05	42.62	43.20	43.77	44.35	44.93	45.50	
8											
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High Group 176 KC Loss N Channel 2 ON Carrier 1	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.68	1.35	2.03	2.71	3.38	4.06	4.73	5.41	6.08
1	6.75	7.43	8.11	8.78	9.46	10.13	10.81	11.48	12.16	12.83	
2	13.51	14.18	14.86	15.53	16.21	16.88	17.56	18.23	18.91	19.58	
3	20.26	20.93	21.61	22.28	22.96	23.63	24.31	24.98	25.66	26.33	
4	27.01	27.68	28.36	29.03	29.71	30.38	31.06	31.73	32.41	33.08	
5	33.76	34.43	35.11	35.78	36.46	37.13	37.81	38.48	39.16	39.83	
6	40.51	41.18	41.86	42.53	43.21	43.88	44.56	45.23	45.91	46.58	
7	47.26	47.93	48.61	49.28	49.96	50.63	51.31	51.98	52.66	53.33	
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Low Group Positive (+) Slope (Difference between 128 KC and 40 KC Losses)	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.20	.40	.61	.81	1.01	1.21	1.41	1.62	1.82
1	2.02	2.22	2.42	2.63	2.83	3.03	3.23	3.43	3.64	3.84	
2	4.04	4.24	4.44	4.65	4.85	5.05	5.25	5.45	5.66	5.86	
3	6.06	6.26	6.46	6.67	6.87	7.07	7.27	7.47	7.68	7.88	
4	8.08	8.28	8.48	8.69	8.89	9.09	9.29	9.49	9.70	9.90	
5	10.10	10.30	10.50	10.71	10.91	11.11	11.31	11.51	11.72	11.92	
6	12.12	12.32	12.52	12.73	12.93	13.13	13.33	13.53	13.74	13.94	
7	14.14	14.34	14.54	14.75	14.95	15.15	15.35	15.55	15.76	15.96	
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High Group Negative (-) Slope (Difference between 264 KC and 176 KC Losses)	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.16	.32	.47	.63	.79	.95	1.11	1.26	1.42
1	1.58	1.74	1.90	2.05	2.21	2.37	2.53	2.69	2.84	3.00	
2	3.16	3.32	3.48	3.63	3.79	3.95	4.11	4.27	4.42	4.58	
3	4.74	4.90	5.06	5.21	5.37	5.53	5.69	5.85	6.00	6.16	
4	6.32	6.48	6.64	6.79	6.95	7.11	7.27	7.43	7.58	7.74	
5	7.90	8.06	8.22	8.37	8.53	8.69	8.85	9.01	9.16	9.32	
6	9.48	9.64	9.80	9.95	10.11	10.27	10.43	10.59	10.74	10.90	
7	11.06	11.22	11.38	11.53	11.69	11.85	12.01	12.17	12.32	12.48	
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