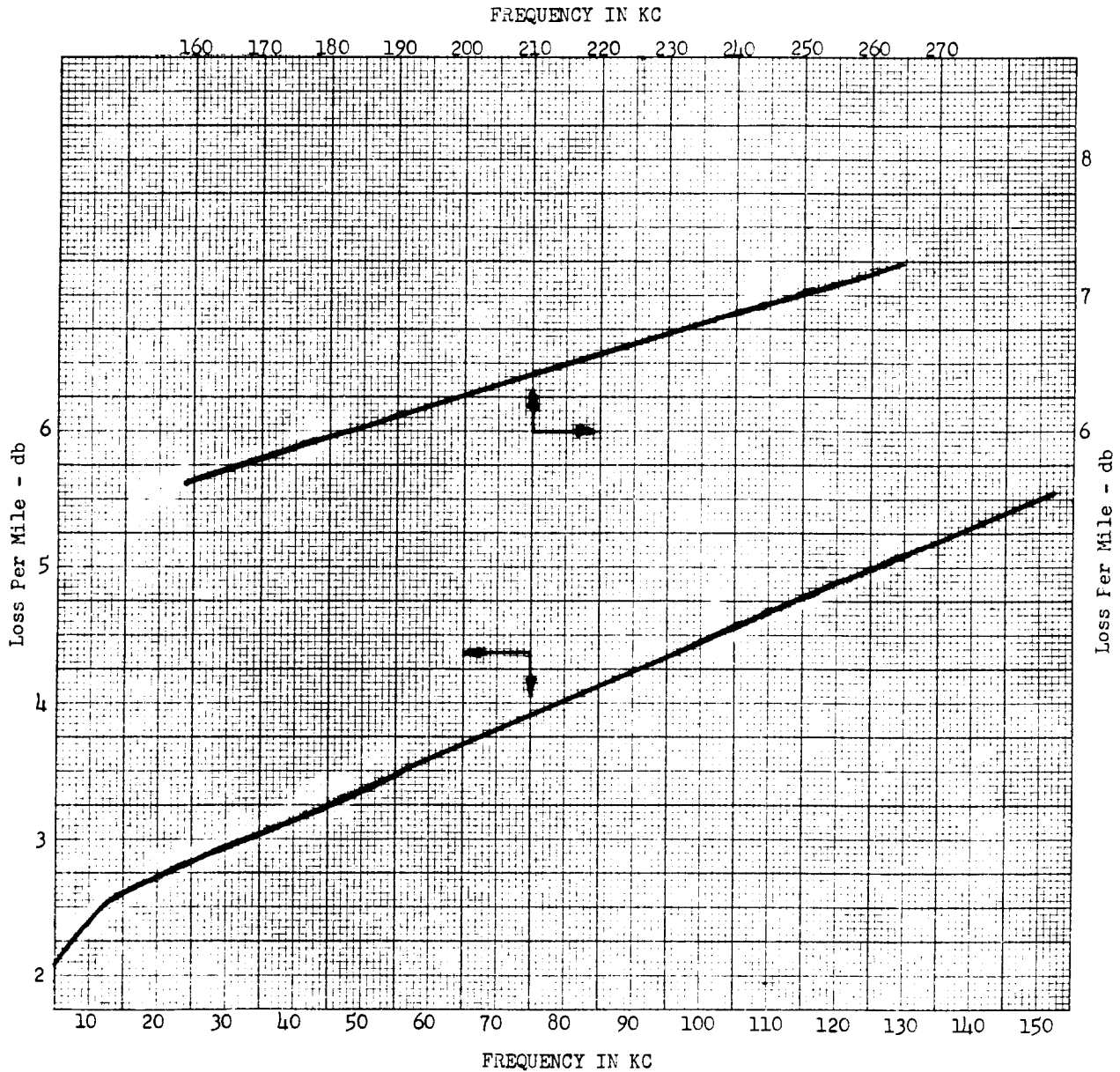


**CABLE LOSSES AT CARRIER FREQUENCIES  
19 GAUGE PIC CABLE**

(.066 mf/mile)

Losses in db/mile at 55°F.\*

\*Applies to a pair having nominal capacitance; measured losses may vary ±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)	2.50	2.90	3.55	3.60	3.13	5.08	5.93	7.22
Temp. Coefficient (db/mi./10°F.)	.040	.046	.056	.056	.050	.055	.053	.057

19 GAUGE PIC CABLE  
(.066 mf/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		.51	1.02	1.52	2.03	2.54	3.05	3.56	4.06
1		5.08	5.59	6.10	6.60	7.11	7.62	8.13	8.64	9.14	9.65
2		10.16	10.67	11.18	11.68	12.19	12.70	13.21	13.72	14.22	14.73
3		15.24	15.75	16.26	16.76	17.27	17.78	18.29	18.80	19.30	19.81
4		20.32	20.83	21.34	21.84	22.35	22.86	23.37	23.88	24.38	24.89
5		25.40	25.91	26.42	26.92	27.43	27.94	28.45	28.96	29.46	29.97
6		30.48	30.99	31.50	32.00	32.51	33.02	33.53	34.04	34.54	35.05
7		35.56	36.07	36.58	37.08	37.59	38.10	38.61	39.12	39.62	40.13
8		40.64	41.15	41.66	42.16	42.67	43.18	43.69	44.20	44.70	45.21
9		45.72	46.23	46.74	47.24	47.75	48.26	48.77	49.28	49.78	50.29

	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	High Group 176 KC Loss N Channel 2 ON Carrier 1	0		.59	1.19	1.78	2.37	2.97	3.56	4.15	4.74
1		5.93	6.52	7.12	7.71	8.30	8.90	9.49	10.08	10.67	11.27
2		11.86	12.45	13.05	13.64	14.23	14.83	15.42	16.01	16.60	17.20
3		17.79	18.38	18.98	19.57	20.16	20.76	21.35	21.94	22.53	23.13
4		23.72	24.31	24.91	25.50	26.09	26.69	27.28	27.87	28.46	29.06
5		29.65	30.24	30.84	31.43	32.02	32.62	33.21	33.80	34.39	34.99
6		35.58	36.17	36.77	37.36	37.95	38.55	39.14	39.73	40.32	40.92
7		41.51	42.10	42.70	43.29	43.88	44.48	45.07	45.66	46.25	46.85
8		47.44	48.03	48.63	49.22	49.81	50.41	51.00	51.59	52.18	52.78
9		53.37	53.96	54.56	55.15	55.74	56.34	56.93	57.52	58.11	58.71

	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	Low Group Positive (-) Slope (Difference between 128 KC and 40 KC Losses)	0		.20	.39	.59	.78	.98	1.17	1.37	1.56
1		1.95	2.15	2.34	2.54	2.73	2.93	3.12	3.32	3.51	3.71
2		3.90	4.10	4.29	4.49	4.68	4.88	5.07	5.27	5.46	5.66
3		5.85	6.05	6.24	6.44	6.63	6.83	7.02	7.22	7.41	7.61
4		7.80	8.00	8.19	8.39	8.58	8.78	8.97	9.17	9.36	9.56
5		9.75	9.95	10.14	10.34	10.53	10.73	10.92	11.12	11.31	11.51
6		11.70	11.90	12.09	12.29	12.48	12.68	12.87	13.07	13.26	13.46
7		13.65	13.85	14.04	14.24	14.43	14.63	14.82	15.02	15.21	15.41
8		15.60	15.80	15.99	16.19	16.38	16.58	16.77	16.97	17.16	17.36
9		17.55	17.75	17.94	18.14	18.33	18.53	18.72	18.92	19.11	19.31

	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	High Group Negative (-) Slope (Difference between 264 KC and 176 KC Losses)	0		.13	.26	.39	.52	.65	.77	.90	1.03
1		1.29	1.42	1.55	1.68	1.81	1.94	2.06	2.19	2.32	2.45
2		2.58	2.71	2.84	2.97	3.10	3.23	3.35	3.48	3.61	3.74
3		3.87	4.00	4.13	4.26	4.39	4.52	4.64	4.77	4.90	5.03
4		5.16	5.29	5.42	5.55	5.68	5.81	5.93	6.06	6.19	6.32
5		6.45	6.58	6.71	6.84	6.97	7.10	7.22	7.35	7.48	7.61
6		7.74	7.87	8.00	8.13	8.26	8.39	8.51	8.64	8.77	8.90
7		9.03	9.16	9.29	9.42	9.55	9.68	9.80	9.93	10.06	10.19
8		10.32	10.45	10.58	10.71	10.84	10.97	11.09	11.22	11.35	11.48
9		11.61	11.74	11.87	12.00	12.13	12.26	12.38	12.51	12.64	12.77