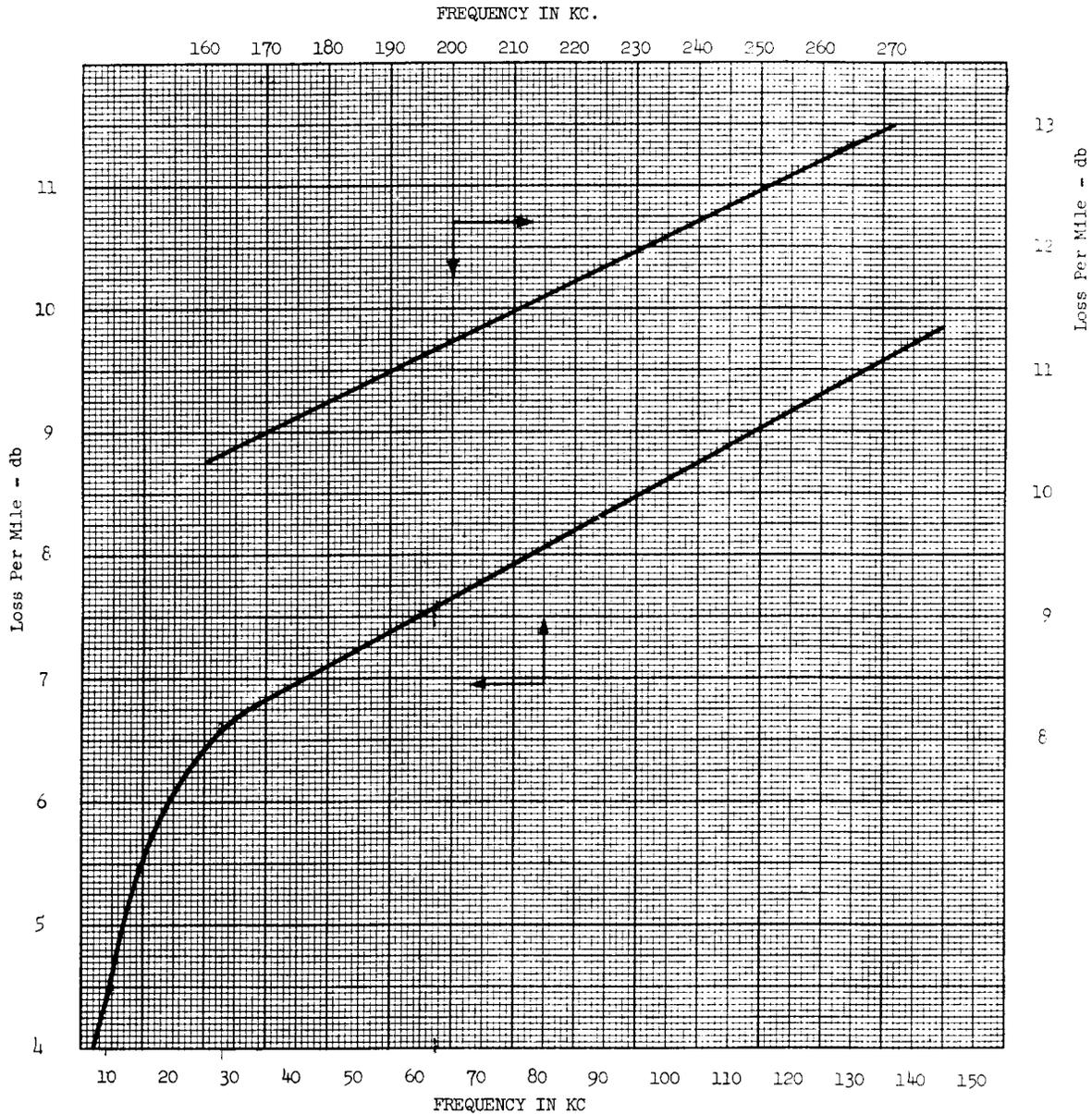


**CABLE LOSSES AT CARRIER FREQUENCIES**  
**22 GAUGE PIC CABLE**

(.083 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)	5.10	6.60	7.45	7.55	6.95	9.41	10.65	12.85
Temp. Coefficient (db/mi./10°F.)	.082	.106	.118	.119	.111	.103	.096	.103

**22 GAUGE PIC CABLE**  
(.083 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		.94	1.88	2.82	3.76	4.71	5.65	6.59	7.53	8.47
	1	9.41	10.35	11.29	12.23	13.17	14.12	15.06	16.00	16.94	17.88
	2	18.82	19.76	20.70	21.64	22.58	23.53	24.47	25.41	26.35	27.29
	3	28.23	29.17	30.11	31.05	31.99	32.94	33.88	34.82	35.76	36.70
	4	37.64	38.58	39.52	40.46	41.40	42.35	43.29	44.23	45.17	46.11
	5	47.05	47.99	48.93	49.87	50.81	51.76	52.70	53.64	54.58	55.52
	6	56.46	57.40	58.34	59.28	60.22	61.17	62.11	63.05	63.99	64.93
	7	65.87	66.81	67.75	68.69	69.63	70.58	71.52	72.46	73.40	74.34
	8	75.28	76.22	77.16	78.10	79.04	79.99	80.93	81.87	82.81	83.75
9	84.69	85.63	86.57	87.51	88.45	89.40	90.34	91.28	92.22	93.16	
High Group 176 KC Loss N Channel 2 ON Carrier 1	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		1.07	2.13	3.20	4.26	5.33	6.39	7.46	8.52	9.59
	1	10.65	11.72	12.78	13.85	14.91	15.98	17.04	18.11	19.17	20.24
	2	21.30	22.37	23.43	24.50	25.56	26.63	27.69	28.76	29.82	30.89
	3	31.95	33.02	34.08	35.15	36.21	37.28	38.34	39.41	40.47	41.54
	4	42.60	43.67	44.73	45.80	46.86	47.93	48.99	50.06	51.12	52.19
	5	53.25	54.32	55.38	56.45	57.51	58.58	59.64	60.71	61.77	62.84
	6	63.90	64.97	66.03	67.10	68.16	69.23	70.29	71.36	72.42	73.49
	7	74.55	75.62	76.68	77.75	78.81	79.88	80.94	82.01	83.07	84.14
	8	85.20	86.27	87.33	88.40	89.46	90.53	91.59	92.66	93.72	94.79
9	95.85	96.92	97.98	99.05	100.11	101.18	102.24	103.31	104.37	105.44	
Low Group Positive (+) Slope (Difference between 128 KC and 40 KC Losses)	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.25	.49	.74	.98	1.23	1.48	1.72	1.97	2.21
	1	2.46	2.71	2.95	3.20	3.44	3.69	3.94	4.18	4.43	4.67
	2	4.92	5.17	5.41	5.66	5.90	6.15	6.40	6.64	6.89	7.13
	3	7.38	7.63	7.87	8.12	8.36	8.61	8.86	9.10	9.35	9.59
	4	9.84	10.09	10.33	10.58	10.82	11.07	11.32	11.56	11.81	12.05
	5	12.30	12.55	12.79	13.04	13.28	13.53	13.78	14.02	14.27	14.51
	6	14.76	15.01	15.25	15.50	15.74	15.99	16.24	16.48	16.73	16.97
	7	17.22	17.47	17.71	17.96	18.20	18.45	18.70	18.94	19.19	19.43
	8	19.68	19.93	20.17	20.42	20.66	20.91	21.16	21.40	21.65	21.89
9	22.14	22.39	22.63	22.88	23.12	23.37	23.62	23.86	24.11	24.35	
High Group Negative (-) Slope (Difference between 264 KC and 176 KC Losses)	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.22	.44	.66	.88	1.10	1.32	1.54	1.76	1.98
	1	2.20	2.42	2.64	2.86	3.08	3.30	3.52	3.74	3.96	4.18
	2	4.40	4.62	4.84	5.06	5.28	5.50	5.72	5.94	6.16	6.38
	3	6.60	6.82	7.04	7.26	7.48	7.70	7.92	8.14	8.36	8.58
	4	8.80	9.02	9.24	9.46	9.68	9.90	10.12	10.34	10.56	10.78
	5	11.00	11.22	11.44	11.66	11.88	12.10	12.32	12.54	12.76	12.98
	6	13.20	13.42	13.64	13.86	14.08	14.30	14.52	14.74	14.96	15.18
	7	15.40	15.62	15.84	16.06	16.28	16.50	16.72	16.94	17.16	17.38
	8	17.60	17.82	18.04	18.26	18.48	18.70	18.92	19.14	19.36	19.58
9	19.80	20.02	20.24	20.46	20.68	20.90	21.12	21.34	21.56	21.78	