Equipment Losses at 1000 Cycles

MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

Voice Frequency Filters	Code	Loss in db
32 or 128 types used independently * Followed by letter suffix indicating cutoff frequency	F*	0.2
Program Transmission Equipment		
Artificial line per dwg. 906-4880(AB26.127) ** Indicated by note on circuit layout card	**	7.8
Telegraph Suppression Filter		
Inserted between input phantoming and compositing equipment (IPCE) and 4-wire repeater when echo suppressor is assigned	TF	0.6

Autotransformers	Loss in db to Side	Loss in db to Phantom
1-A	.02	.02
2-A or 3-A	.25	.25
D-6440	.02	.02
14-A or 16-A	.18	.25
14-B or 16-B	.15	.25
24-A	.50	.50

Switchboard Cabling and Drop Equipment	Loss in db
New York City No. 1 and No. 2 offices	0.5
Chicago	0.9
All other offices (except as modified locally)	0.3

Echo Suppressors	
553-A	0
44-A	0
1-A	1.8

4-wire 4-way 600-ohm Resistance Bridge (per SD-55647-01) 15.0

Straight Bridge Losses of Multipled 600-Ohm Circuits

Number of legs indicated are in addition to the feeding leg

Number of Legs	Loss in db	Number of Legs	Loss in db	Number of Legs	Loss in db
1	0	5	9.5	9	14.0
2	3.5	6	10.9	10	14.8
3	6.0	7	12.0	11	15.55
4	8.0	8	13.1	12	16.25

Special Arrangements	Loss in db to Side	Loss in db to Phantom
107-A repeating coil with 4000 ohm shunts and two type A composite sets, one 93-A or equivalent coil on phantom	1.8	1.8

Compensating Resistance

With two type A repeating coils installed on one side of an open wire phantom group the loss introduced in the other side by the compensating resistances is 0.6 db. The loss to the phantom circuit is the same as if two type A repeating coils replaced the compensating resistances on the side circuit.