

JUNCTION RETURN LOSSES AND LOSS CORRECTIONS

MIXED GAUGE NONLOADED FACILITIES

FOR USE AT TELEPHONE REPEATERS WHEN THE ADJACENT GAUGE DIFFERS FROM THE TYPICAL GAUGE

(NOTE)

Facility Adjacent to Repeater	Typical Gauge						
	26LC	26HC	24LC	24HC	22	19LC	19HC
16	5.8 db	6.1 db	7.6 db	8.2 db	10.8 db	15.2 db	18.8 db
19HC	7.1 db	7.9 db	9.9 db	10.9 db	15.0 db	24.4 db	
19LC	8.4 db	9.1 db	11.6 db	12.8 db	18.4 db		
22	11.3 db	12.4 db	16.5 db	19.0 db			
24HC	15.6 db	17.5 db	28.5 db				
24LC	17.8 db	20.4 db					
26HC	29.5 db						

Note: To the values from the above table add corrections from the table below if the 1000-cycle loss of the adjacent facility is less than 4.0 db.

CORRECTION FOR LOSS OF ADJACENT FACILITY

Adjacent Facility Loss (1000 Cycle)	Add to Junction RL	Adjacent Facility Loss (1000 Cycle)	Add to Junction RL
0.1 db	20.0 db	2.1 db	2.8 db
0.2 db	16.0 db	2.2 db	2.5 db
0.3 db	14.0 db	2.3 db	2.2 db
0.4 db	12.5 db	2.4 db	2.0 db
0.5 db	11.2 db	2.5 db	1.8 db
0.6 db	10.4 db	2.6 db	1.6 db
0.7 db	9.6 db	2.7 db	1.4 db
0.8 db	8.8 db	2.8 db	1.3 db
0.9 db	8.1 db	2.9 db	1.1 db
1.0 db	7.5 db	3.0 db	1.0 db
1.1 db	6.8 db	3.1 db	0.9 db
1.2 db	6.3 db	3.2 db	0.7 db
1.3 db	5.7 db	3.3 db	0.6 db
1.4 db	5.3 db	3.4 db	0.5 db
1.5 db	4.8 db	3.5 db	0.4 db
1.6 db	4.5 db	3.6 db	0.3 db
1.7 db	4.1 db	3.7 db	0.25 db
1.8 db	3.7 db	3.8 db	0.2 db
1.9 db	3.3 db	3.9 db	0.1 db
2.0 db	3.0 db	4.0 db	0.0 db