

Insertion Losses at Carrier Frequencies

13, 16 AND 19 GAUGE NON-LOADED CABLE

Length of Cable in Miles	Total Loss in db at Frequency of									
	6 KC D(W-E) H(W-E) B(W-E)		9 KC D(E-W) H(E-W)		11 KC B(E-W)		14 KC C(E-W)		27 KC C(W-E)	
	13 ga.	16 and 19 ga.	13 ga.	16 and 19 ga.	13 ga.	16 and 19 ga.	13 ga.	16 and 19 ga.	13 ga.	16 and 19 ga.
0.5	0.6	0.6	1.1	1.1	1.4	1.5	2.1	2.1	5.0	5.0
1.0	1.9	1.9	3.3	3.3	4.0	4.2	5.2	5.3	8.3	8.3
1.5	3.2	3.5	4.9	5.1	5.9	6.1	6.9	7.1	8.8	8.0
2.0	4.6	5.0	6.6	7.0	7.6	7.9	8.7	8.8	6.9	7.7
2.5	5.8	6.2	7.7	8.2	8.0	8.8	8.6	9.2	7.1	9.0
3.0	7.2	7.3	8.7	9.3	9.0	9.6	8.7	9.6	9.5	10.1
3.5	7.8	8.2	9.1	9.9	9.1	10.1	8.1	9.8	10.4	11.3
4.0	8.7	9.1	9.5	10.5	8.9	10.5	7.6	10.0	10.7	12.5
4.5	9.2	9.8	9.7	10.7	8.3	10.8	7.6	10.9	10.5	13.2
5.0	9.8	10.3	9.9	10.8	7.7	11.0	7.7	11.8	10.7	13.8

Note: The values given above are the approximate insertion loss of a single length of non-loaded cable in a 104, 128, or 165 gauge open wire pair.