

Reflection loss in db when impedances are not matched by means of repeating coils at the junction.

Negative values are reflection gains.

This table assumes facilities of sufficient length to exhibit a characteristic impedance.

Reflection Losses at 1000 Cycles

JUNCTION OF OPEN WIRE AND LOADED CABLE

TYPE OF CIRCUIT	CABLE														OPEN WIRE - COPPER											IRON WIRE								
	TYPE SPACING AND LOADING - SIDE AND PHANTOM														NL - SIDE					NL - PHANTOM					L		PHYSICAL							
	B50	B55	H25	H44	H50	H65	H85	H106	H155	H172	H245	K130	K200	M106	M174	R135	000	104	114	128	134	165	000	104	114	128	134	165	S	P	083	109	134	
CABLE SIDE AND PHANTOM	B50	.2	.4	0	.2	0	.1	0	.1	.3	.6	0	.2	0	.1	0	0	.1	.1	.2	.2	.2	.6	.7	.7	.8	.8	.8	.6	.1	.3	.2	.1	
	B55	.2	1.2	.4	.8	.4	.1	.2	0	0	.1	.2	0	.4	0	.2	.5	.6	.7	.7	.8	.9	1.6	1.7	1.8	1.8	1.9	2.0	.1	0	-.2	-.1	-.1	
	H25	.4	1.2	.3	.3	0	.2	.7	.6	1.0	1.5	1.9	.5	1.4	.2	1.0	.6	.1	.1	.1	0	0	0	0	0	0	.1	.1	.1	1.9	1.0	1.5	1.2	1.0
	H44	0	.4	.3	.1	0	.1	0	.2	.5	.9	0	.4	0	.2	0	0	0	0	.1	.1	.1	.4	.4	.5	.6	.6	.6	1.0	.2	.6	.4	.3	
	H50	.2	.8	0	.1	0	.4	.2	.5	.8	1.4	.2	.8	.1	.5	.2	-.1	0	0	0	0	0	.1	.2	.2	.2	.2	.3	1.4	.4	1.0	.8	.6	
	H65	0	.4	.3	0	0	.2	.1	.3	.5	1.0	0	.5	0	.3	.1	0	0	0	0	0	0	.3	.4	.5	.5	.5	.6	1.0	.3	.6	.4	.3	
	H85	.1	.1	.1	.1	.4	.2	0	0	.1	.3	0	.1	.1	0	0	.2	.3	.3	.4	.4	.5	1.0	1.1	1.2	1.2	1.2	1.3	.3	0	.1	0	0	
	H106	0	.2	.6	0	.2	.1	0	.1	.2	.5	0	.1	.1	.1	0	.1	.1	.2	.2	.2	.3	.8	.9	.9	1.0	1.0	1.1	.5	0	.1	.1	0	
	H155	.1	0	1.0	.3	.3	0	.1	0	0	.2	.1	0	.2	0	.1	.2	.4	.4	.5	.5	.6	1.2	1.3	1.4	1.5	1.5	1.6	.2	0	0	-.1	-.1	
	H172	.3	0	1.5	.3	.6	.1	.2	0	0	.3	0	.5	0	.2	.6	.6	.8	.8	.9	.9	1.0	1.8	1.9	2.0	2.0	2.0	2.1	.1	0	-.1	-.1	-.1	
	H245	.6	.1	1.9	.9	1.4	1.0	.3	.5	.2	0	.6	.1	.9	.2	.6	.9	1.2	1.3	1.3	1.4	1.5	2.4	2.5	2.6	2.6	2.7	2.8	0	.3	-.2	-.1	-.1	
	K130	0	.2	.5	0	.2	0	0	.1	.3	.6	.2	0	.1	0	0	0	0	.1	.2	.2	.2	.5	.6	.7	.7	.8	.9	.6	.1	.3	.2	.1	
	K200	.2	0	1.4	.4	.8	.5	.1	.1	0	.1	.2	.4	0	.2	.4	.4	.6	.6	.7	.8	.9	1.5	1.7	1.8	1.8	1.9	2.0	.1	0	-.2	-.1	-.1	
	M106	0	.4	.2	0	.1	0	.1	.3	.5	.9	0	.4	.2	0	0	-.1	0	0	.1	.1	.1	.3	.4	.5	.5	.5	.6	1.9	.3	.6	.4	.3	
M174	.1	0	1.0	.2	.5	.3	0	.1	0	.2	.1	0	.2	.1	.1	.2	.4	.5	.5	.5	.6	1.2	1.3	1.4	1.5	1.5	1.6	.2	0	0	-.1	-.1		
R135	0	.2	.6	0	.2	.1	0	0	.1	.2	.6	0	.2	0	.1	0	.1	.1	.2	.2	.2	.6	.8	.8	.8	.9	1.0	.6	.1	.3	.2	.1		
OPEN WIRE - COPPER NL - SIDE	000	0	.5	.1	0	-.1	0	.2	.1	.2	.6	.9	0	.4	-.1	.2	0	0	0	0	0	0	0	.3	.4	.4	.4	.5	.5	1.0	.2	.8	.5	.3
	104	.1	.6	.1	0	0	0	.3	.1	.4	.8	1.2	0	.6	0	.4	.1	0	0	0	0	0	0	.2	.2	.3	.3	.4	.4	1.3	.4	.9	.6	.5
	114	.1	.7	.1	0	0	0	.2	.2	.4	.8	1.3	.1	.6	0	.5	.1	0	0	0	0	0	0	.2	.2	.2	.3	.3	.3	1.3	.3	.9	.6	.5
	128	.2	.7	0	.1	0	0	.4	.2	.5	.9	1.3	.2	.7	.1	.5	.2	0	0	0	0	0	0	.1	.2	.2	.3	.3	.3	1.4	.4	1.0	.7	.5
	134	.2	.8	0	.1	0	0	.4	.2	.5	.9	1.4	.2	.8	.1	.5	.2	0	0	0	0	0	0	.1	.2	.2	.3	.3	.3	1.5	.4	1.0	.7	.5
	165	.2	.9	0	.1	0	0	.5	.3	.6	1.0	1.5	.2	.9	.1	.6	.2	0	0	0	0	0	0	.1	.1	.2	.2	.2	.2	1.6	.6	1.1	.8	.6
OPEN WIRE - COPPER NL - PHANTOM	000	.6	1.6	0	.4	.1	.3	1.0	.8	1.2	1.8	2.4	.5	1.5	.3	1.2	.6	.3	.2	.2	.1	.1	.1	0	0	0	0	0	0	2.4	1.2	2.0	1.6	1.3
	104	.7	1.7	0	.4	.2	.4	1.1	.9	1.3	1.9	2.5	.6	1.7	.4	1.3	.8	.4	.2	.2	.2	.2	.1	0	0	0	0	0	0	2.7	1.4	2.1	1.8	1.5
	114	.7	1.8	0	.5	.2	.5	1.2	.9	1.4	2.0	2.6	.7	1.8	.5	1.4	.8	.4	.3	.2	.2	.2	.2	0	0	0	0	0	0	2.6	1.4	2.2	1.8	1.5
	128	.8	1.8	.1	.6	.2	.5	1.2	1.0	1.5	2.0	2.6	.7	1.8	.5	1.5	.8	.4	.3	.3	.3	.3	.2	0	0	0	0	0	0	2.6	1.5	2.3	1.9	1.6
	134	.8	1.9	.1	.6	.2	.5	1.2	1.0	1.5	2.0	2.7	.8	1.9	.5	1.5	.9	.5	.4	.3	.3	.3	.2	0	0	0	0	0	0	2.7	1.5	2.3	1.9	1.6
	165	.8	2.0	.1	.6	.2	.6	1.3	1.1	1.6	2.1	2.8	.9	2.0	.6	1.6	1.0	.5	.4	.3	.3	.3	.2	0	0	0	0	0	0	2.8	1.6	2.4	2.0	1.7
IRON WIRE PHYSICAL	8	.6	.1	1.9	1.0	1.4	1.1	.3	.6	.3	.1	0	.7	.1	1.9	.2	.6	1.0	1.3	1.3	1.4	1.5	1.6	2.4	2.5	2.6	2.6	2.7	2.8	.3	.3	-.2	-.1	-.1
	4	.1	0	1.0	.2	.4	.3	0	.1	0	0	.3	.1	0	.2	0	.1	.2	.4	.3	.4	.4	.6	1.2	1.4	1.4	1.5	1.5	1.6	.3	.3	0	0	-.1
IRON WIRE PHYSICAL	083	.3	-.2	1.5	.6	1.0	.6	.1	.1	0	-.2	-.2	.3	.2	.6	0	.3	.8	.9	.9	1.0	1.0	1.1	2.0	2.1	2.2	2.3	2.3	2.4	-.2	0	0	0	-.1
	109	.2	-.1	1.2	.4	.8	.4	0	.1	-.1	-.1	-.1	.2	-.1	.4	-.1	.2	.5	.6	.6	.7	.7	.8	1.6	1.8	1.8	1.9	1.9	2.0	-.1	0	0	0	0
	134	.1	-.1	1.0	.3	.6	.3	0	0	-.1	-.1	-.1	.1	-.1	.3	-.1	.1	.3	.5	.5	.5	.5	.6	1.3	1.5	1.5	1.6	1.6	1.7	-.1	-.1	.1	0	0