Reflection Losses at 1000 Cycles

JUNCTION OF OPEN WIRE AND LOADED CABLE

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.

TYPE OF CIRCUIT		CABLE															OPEN WIRE - COPPER												IRON WIRE		
		TYPE SPACING AND LOADING - SIDE AND PHANTOM															NL - SIDE						NL - PHANTOM						L		PHYSICAL		
		B50	B88	H25	H44	H50	H63	H88	H106	H135	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
	B88	.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	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
	H63	0	.4	.2	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
	H88	.1	.1	.7	.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
	H135	.1	0	1.0	.2	.5	.3	0	.1		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	.5	.8	.6	.1	.2	0		0	.3	0	.5	0	.2	.6	.8	.8	.9	.9	1.0	1.8	1.9	2.0	2.0	2.0	2.1	.1	0	-.2	-.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	0	.1	.3	.6		.2	0	.1	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	0	.1	.2		.4	0	.2	.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	.1	.3	.5	.9	0	.4		.2	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	0	.2	.1	0	.2		.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	.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	.2	.2	.3	.3	.4	.4	1.3	.4	.9	.6	.5
	114	.1	.7	.1	0	0	0	.3	.2	.4	.8	1.3	.1	.6	0	.5	.1	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	.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	.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		.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	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	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	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	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	2.7	1.5	2.3	1.9	1.6
	165	.8	2.0	.1	.6	.3	.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		2.8	1.6	2.4	2.0	1.7
L	S	.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	-.2	-.1	-.1
	P	.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		0	0	-.1
IRON 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	-.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
	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	