



M/A/T, INC. Broadcast Transmission Line Systems, Filters & Combiners
 360 Franklin Turnpike, Mahwah, NJ 07430

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12" 50 Ohm Rigid Coaxial Transmission Line, TV Ratings and Efficiency in Percent

CH #	Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	250 ft	500 ft	750 ft	1000 ft	1250 ft	1500 ft	1750 ft	2000 ft
2	54	0.02082	726.197	98.81	97.63	96.47	95.32	94.18	93.06	91.95	90.86
3	60	0.02195	688.931	98.74	97.50	96.28	95.07	93.88	92.70	91.54	90.39
4	66	0.02302	656.870	98.68	97.38	96.10	94.84	93.59	92.36	91.14	89.94
5	76	0.02470	612.131	98.59	97.20	95.82	94.47	93.14	91.82	90.53	89.25
6	82	0.02566	589.311	98.53	97.09	95.67	94.26	92.88	91.52	90.18	88.86
7	174	0.03737	404.554	97.87	95.79	93.75	91.75	89.80	87.89	86.02	84.19
8	180	0.03801	397.754	97.84	95.72	93.65	91.62	89.64	87.70	85.80	83.94
9	186	0.03864	391.286	97.80	95.65	93.54	91.49	89.47	87.51	85.58	83.70
10	192	0.03926	385.124	97.77	95.58	93.44	91.36	89.32	87.32	85.37	83.46
11	198	0.03987	379.244	97.73	95.51	93.35	91.23	89.16	87.14	85.16	83.23
12	204	0.04047	373.625	97.70	95.45	93.25	91.10	89.01	86.96	84.95	83.00
13	210	0.04106	368.249	97.66	95.38	93.15	90.98	88.85	86.78	84.75	82.77

Standard Conditions:

Attenuation: Ambient Temperature 20°C (68°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0, 0KW

Average Power: Ambient Temperature 40°C (104°F), Inner Conductor Temperature 100°C (212°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0