



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

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12" 75 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	0.020	769.139	98.88	97.77	96.67	95.58	94.51	93.45	92.40	91.36
3	60	0.021	729.669	98.82	97.65	96.49	95.35	94.22	93.11	92.01	90.92
4	66	0.022	695.712	98.76	97.53	96.33	95.13	93.95	92.79	91.63	90.50
5	76	0.023	648.328	98.67	97.36	96.06	94.78	93.52	92.28	91.05	89.84
6	82	0.024	624.158	98.62	97.26	95.91	94.59	93.28	91.99	90.72	89.47
7	174	0.035	428.477	97.99	96.03	94.10	92.21	90.36	88.55	86.77	85.03
8	180	0.036	421.275	97.96	95.96	94.00	92.09	90.21	88.37	86.56	84.80
9	186	0.036	414.424	97.93	95.90	93.91	91.96	90.05	88.19	86.36	84.57
10	192	0.037	407.897	97.89	95.83	93.81	91.84	89.90	88.01	86.16	84.34
11	198	0.038	401.670	97.86	95.77	93.72	91.72	89.76	87.84	85.96	84.12
12	204	0.038	395.719	97.83	95.71	93.63	91.60	89.61	87.66	85.76	83.90
13	210	0.039	390.025	97.80	95.65	93.54	91.48	89.47	87.50	85.57	83.69

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