



MYAT, INC. Broadcast Transmission Line Systems, Filters & Combiners
 360 Franklin Turnpike, Mahwah, NJ 07430

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7/8" 50 Ohm Rigid Coaxial Transmission Line, TV Ratings and Efficiency in Percent

CH #	Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	25 ft	50 ft	75 ft	100 ft	125 ft	150 ft	175 ft	200 ft
2	54	0.271	6.010	98.45	96.92	95.42	93.94	92.49	91.05	89.64	88.25
3	60	0.286	5.701	98.37	96.76	95.18	93.63	92.10	90.59	89.11	87.66
4	66	0.300	5.436	98.29	96.61	94.95	93.33	91.73	90.16	88.61	87.10
5	76	0.322	5.066	98.16	96.36	94.59	92.86	91.15	89.48	87.84	86.22
6	82	0.334	4.877	98.09	96.22	94.39	92.59	90.83	89.09	87.40	85.73
7	174	0.487	3.348	97.24	94.55	91.93	89.39	86.92	84.52	82.18	79.91
8	180	0.495	3.292	97.19	94.46	91.80	89.22	86.71	84.27	81.90	79.60
9	186	0.504	3.238	97.14	94.37	91.67	89.05	86.51	84.04	81.63	79.30
10	192	0.512	3.187	97.10	94.28	91.54	88.89	86.31	83.80	81.37	79.01
11	198	0.520	3.139	97.05	94.19	91.42	88.72	86.11	83.57	81.11	78.72
12	204	0.527	3.092	97.01	94.11	91.30	88.57	85.92	83.35	80.86	78.44
13	210	0.535	3.048	96.97	94.03	91.17	88.41	85.73	83.13	80.61	78.16
14	470	0.800	2.037	95.50	91.20	87.09	83.17	79.42	75.85	72.43	69.17
15	476	0.806	2.024	95.47	91.14	87.01	83.07	79.31	75.71	72.28	69.01
16	482	0.811	2.012	95.44	91.09	86.94	82.97	79.19	75.58	72.13	68.85
17	488	0.816	1.999	95.41	91.04	86.86	82.88	79.08	75.45	71.99	68.69
18	494	0.821	1.987	95.39	90.98	86.79	82.78	78.96	75.32	71.84	68.53
19	500	0.826	1.975	95.36	90.93	86.71	82.69	78.85	75.19	71.70	68.37
20	506	0.831	1.963	95.33	90.88	86.64	82.59	78.74	75.06	71.56	68.22
21	512	0.835	1.952	95.30	90.83	86.56	82.50	78.63	74.93	71.42	68.06
22	518	0.840	1.940	95.28	90.78	86.49	82.41	78.52	74.81	71.28	67.91
23	524	0.845	1.929	95.25	90.73	86.42	82.31	78.41	74.68	71.14	67.76
24	530	0.850	1.918	95.22	90.68	86.35	82.22	78.30	74.56	71.00	67.61
25	536	0.855	1.908	95.20	90.63	86.28	82.13	78.19	74.43	70.86	67.46
26	542	0.860	1.897	95.17	90.58	86.20	82.04	78.08	74.31	70.72	67.31
27	548	0.864	1.887	95.15	90.53	86.13	81.95	77.98	74.19	70.59	67.16
28	554	0.869	1.876	95.12	90.48	86.06	81.86	77.87	74.07	70.46	67.02
29	560	0.874	1.866	95.09	90.43	85.99	81.78	77.76	73.95	70.32	66.87
30	566	0.878	1.856	95.07	90.38	85.92	81.69	77.66	73.83	70.19	66.73
31	572	0.883	1.847	95.04	90.33	85.86	81.60	77.56	73.71	70.06	66.59
32	578	0.888	1.837	95.02	90.28	85.79	81.51	77.45	73.59	69.93	66.44
33	584	0.892	1.827	94.99	90.24	85.72	81.43	77.35	73.48	69.80	66.30
34	590	0.897	1.818	94.97	90.19	85.65	81.34	77.25	73.36	69.67	66.16
35	596	0.901	1.809	94.94	90.14	85.58	81.26	77.15	73.25	69.54	66.03
36	602	0.906	1.800	94.92	90.10	85.52	81.17	77.05	73.13	69.42	65.89

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