

9 3/16" 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	0.0214	428.393	98.77	97.56	96.36	95.18	94.01	92.86	91.72	90.59
3	60	0.0226	406.410	98.71	97.43	96.17	94.93	93.70	92.49	91.29	90.11
4	66	0.0237	387.496	98.64	97.31	95.99	94.69	93.40	92.14	90.89	89.66
5	76	0.0254	361.104	98.55	97.11	95.70	94.31	92.94	91.59	90.26	88.94
6	82	0.0264	347.642	98.49	97.00	95.54	94.10	92.67	91.28	89.90	88.54
7	174	0.0385	238.652	97.81	95.66	93.57	91.52	89.51	87.55	85.63	83.75
8	180	0.0392	234.641	97.77	95.59	93.46	91.38	89.34	87.35	85.40	83.50
9	186	0.0398	230.825	97.73	95.52	93.36	91.24	89.17	87.15	85.18	83.25
10	192	0.0404	227.190	97.70	95.45	93.25	91.11	89.01	86.96	84.96	83.01
11	198	0.0411	223.721	97.66	95.38	93.15	90.98	88.85	86.78	84.75	82.77
12	204	0.0417	220.407	97.63	95.31	93.05	90.85	88.69	86.59	84.54	82.53
13	210	0.0423	217.235	97.59	95.25	92.96	90.72	88.54	86.41	84.33	82.30
14	470	0.0633	145.208	96.42	92.97	89.65	86.44	83.35	80.37	77.49	74.72
15	476	0.0637	144.290	96.40	92.93	89.59	86.36	83.25	80.26	77.37	74.58
16	482	0.0641	143.389	96.38	92.89	89.52	86.28	83.16	80.15	77.24	74.45
17	488	0.0645	142.505	96.36	92.85	89.46	86.20	83.06	80.04	77.12	74.31
18	494	0.0649	141.637	96.33	92.80	89.40	86.12	82.97	79.93	77.00	74.17
19	500	0.0653	140.784	96.31	92.76	89.34	86.05	82.87	79.82	76.88	74.04
20	506	0.0657	139.947	96.29	92.72	89.28	85.97	82.78	79.71	76.75	73.91
21	512	0.0660	139.125	96.27	92.68	89.22	85.89	82.69	79.60	76.63	73.78
22	518	0.0664	138.317	96.25	92.64	89.16	85.82	82.60	79.50	76.52	73.64
23	524	0.0668	137.523	96.23	92.60	89.10	85.74	82.51	79.39	76.40	73.51
24	530	0.0672	136.742	96.21	92.56	89.04	85.67	82.42	79.29	76.28	73.39
25	536	0.0676	135.974	96.18	92.52	88.99	85.59	82.33	79.18	76.16	73.26
26	542	0.0679	135.220	96.16	92.48	88.93	85.52	82.24	79.08	76.05	73.13
27	548	0.0683	134.477	96.14	92.44	88.87	85.44	82.15	78.98	75.93	73.00
28	554	0.0687	133.747	96.12	92.40	88.81	85.37	82.06	78.88	75.82	72.88
29	560	0.0691	133.029	96.10	92.36	88.76	85.30	81.97	78.78	75.71	72.75
30	566	0.0694	132.322	96.08	92.32	88.70	85.22	81.88	78.68	75.59	72.63
31	572	0.0698	131.626	96.06	92.28	88.64	85.15	81.80	78.58	75.48	72.51
32	578	0.0702	130.941	96.04	92.24	88.59	85.08	81.71	78.48	75.37	72.39
33	584	0.0705	130.267	96.02	92.20	88.53	85.01	81.63	78.38	75.26	72.27
34	590	0.0709	129.603	96.00	92.16	88.48	84.94	81.54	78.28	75.15	72.15
35	596	0.0713	128.949	95.98	92.12	88.42	84.87	81.46	78.18	75.04	72.03
36	602	0.0716	128.304	95.96	92.09	88.37	84.80	81.37	78.09	74.93	71.91
37	608	0.0720	127.670	95.94	92.05	88.31	84.73	81.29	77.99	74.83	71.79

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