

RVRUSA - DATA DE REFERENCIA PARA INGENIEROS

CABLE COAXIAL

CABLE TYPE	IMPEDANCE	DIELECTRIC	VELOCITY FACTOR	FREQUENCY [MHZ] MAXIMUM POWER [KW] /ATTENUATION [DB/100 M]			
RG 58	50	Compact Polythene	0.67	0.42	10.8	0.3	16.1
RG 59	75	Compact Polythene	0.66	0.75	8.0	0.50	11.2
RG 213	50	Compact Polythene	0.66	2.7	4.27	1.7	6.23
RG 8	52	Compact Polythene	0.66	2.7	4.27	1.7	6.23
RG 11	75	Compact Polythene	0.66	1.7	4.80	1.03	7.0
¼ inch	50	Expanded Polythene (FOAM)	0.84	0.985	4.17	0.690	5.94
1/2 Inch	50	Expanded Polythene (FOAM)	0.81	2.91	2.40	2.03	3.44
7/8 Inch	50	Expanded Polythene (FOAM)	0.89	7.74	0.843	5.38	1.21
1+5/8 Inch	50	Expanded Polythene (FOAM)	0.88	0.512	13.4	0.738	
1/2 Inch	50	Air Dielectric	0.914	2.97	1.90	2.10	2.72
5/8 Inch	50	Air Dielectric	0.92	6.00	1.12	4.21	1.60
7/8 Inch	50	Air Dielectric	0.90	9.20	0.853	6.40	1.21
1+5/8 Inch	50	Air Dielectric	0.921	20.7	0.476	14.4	0.679
3 Inch	50	Air Dielectric	0.933	54.0	0.322	29.1	0.448
4 Inch	50	Air Dielectric	0.92	82.0	0.256	56.0	0.371
5 Inch	50	Air Dielectric	0.931	107	0.177	73.0	0.259

R V R usa

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FREQUENCY (MHZ)
Maximum power [Kw] / Attenuation [dB/100 m]

200		500		800		1000		2000		3000		8000	
Kw	dB	Kw	dB	Kw	dB	Kw	dB	Kw	dB	Kw	dB	Kw	dB
0.2	24.3	0.18	39.6	0.14	39.8	0.125	55.0	0.08	75.00	0.62	111.5	-	-
0.35	16.1	0.23	27.0	0.17	37.0	0.15	43.0	0.09	68.0	0.07	85.0	-	-
1.1	8.86	0.65	17.0	0.48	23.0	0.40	26.0	0.30	43.0	0.19	57.0	-	-
1.1	8.86	0.65	17.0	0.48	23.0	0.40	26.0	0.30	43.0	0.19	57.0	-	-
0.81	10.03	0.48	17.0	0.36	25.0	0.30	29.0	0.19	46.0	0.15	60.0	-	-
0.482	8.46	0.298	13.7	0.231	17.5	0.205	19.7	0.14	28.6	0.111	35.8	0.062	62.7
1.42	4.92	0.867	8.06	0.669	10.4	0.59	11.7	0.4	17.4	0.318	22.1	0.166	42.0
3.72	1.76	2.25	2.90	1.73	3.78	1.52	4.30	1.01	6.46	0.785	8.31	-	-
9.22	1.08	5.53	1.79	4.21	2.36	3.69	2.69	2.42	4.10	-	-	-	-
1.48	3.90	0.924	6.13	0.720	7.77	0.640	8.69	0.44	12.6	0.338	16.2	0.175	32.2
2.94	2.29	1.82	3.71	1.41	4.76	1.25	5.37	0.858	7.86	0.682	9.89	-	-
4.40	1.77	2.69	2.85	2.09	3.68	1.85	4.17	1.30	6.07	1.0	7.90	-	-
10.0	0.951	6.21	1.57	4.82	2.03	4.30	2.30	2.90	3.44	-	-	-	-
25.0	0.682	14.6	1.2	9.24	1.60	9.30	1.84	-	-	-	-	-	-
38.7	.545	22.6	0.943	17.1	1.24	15.0	1.41	-	-	-	-	-	-
51.0	0.377	30.7	0.626	23.0	0.820	-	-	-	-	-	-	-	-

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