Coax Sponsor listing Super logbook

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WLOG2000 with EQSL.cc REALTIME

Modello COAX	Diametro in mm	Raggio in mm	Impe-denza Ohm	v/c	kg 100 m	Capacità pF/m		10 MHz	14 MHz	28 MHz	50 MHz	100 MHz	144 MHz	435 MHz	1296 MHz	2320 MHz
H 2000 FLEX®	10,3	50	50	0,83	14,0	80	dB		1,4	2,0	2,7	3,9	4,8	8,5	15,7	21,8
H 1001	10,3	50	50	0,81	10,3	82	dB	1,5			3,3	4,7	5,5		18,7	
ECOFLEX 15	14,6	70	50	0,86	25,8	77	dB	0,9			2,0	2,8	3,4	6,1	11,4	16,0
AIRCOM PLUS	10,8	55	50	0,85	15,0	84	dB	0,9				3,3	4,5	8,2	14,5	21,5
ECOFLEX 10	10,2	40	50	0,86	13,1	77	dB	1,2				4,0	4,8	8,9	16,5	23,1
H 500	9,8	75	50	0,81	13,5	82	dB	1,3			2,9	4,1		9,3	16,8	ca.24,5
RG 213 U	10,3	55	50	0,66	15,5	101	dB	2,2		3,1	4,4	6,2	7,9	14,8	27,5	ca. 47
AIRCELL 7	7,3	25	50	0,83	7,2	74	dB		3,4	3,7	4,8	6,6	7,9	14,1	26,1	ca. 38
H 155	5,4	35	50	0,79	3,9	100	dB			4,9	6,5	9,4	11,2	19,8	34,9	ca. 53
RG 58 ALL	4,9	32	50	0,78	3,2	82	dB				8,3	11,3		23,4	44,8	
RG 58 CU	5,0	30	50	0,66	4,0	101	dB		6,2	8,0	11,0	15,6	17,8	33,2	64,5	ca. 100
RG 223	5,4	25	50	0,66	6,0	101	dB		6,1	7,9	11,0	15,4	17,6			
RG 11 75 Ohm	10,3	50	75	0,66	13,9	67	dB				4,6	6,9		17,5	ca.30	
PRG 11 CU Foam	9,8	100	75	0,85	9,1	52	dB	1,2			2,5	3,7		8,0	14,8	ca.23,7
RG 59 75 Ohm	6,15	30	75	0,66	5,7	67	dB					11,5		25,0	33,6	
Sat 90 75 Ohm	6,8	35	75	0,80	5,5	55	dB					6,3		13,0	23,7	
3 V 60 60 Ohm	6,0	40	60	0,66	4,9	85	dB					10,0		21,7	38	

Calcolo ogni 100 metri ad una temperatura media di 20' C												
	10 MHz	14 MHz	21 MHz	28 MHz	50 MHz	100 MHz	144 MHz	435 MHz	800 MHz	1000 MHz	1296 MHz	2000 MHz
RG 58	4,6	6,1	6,8	7,7	10,2	15	18,5	ca. 33	ca. 50	ca.54	ca.65	ca.85
RG 174	9,6	11,8	12,8	17	22	31	ca. 38	ca. 70	ca. 90	ca. 110	--	--
RG 178	12,2	17	19,5	22	30	42	60	90	--	--	--	--
RG 213	--	1,4	1,8	2,2	4,5	6,5	7,8	14,8	21,5	25	28	38
RG 214	--	1,4	1,8	2,2	4,5	6,5	7,8	14,8	21,5	25	28	38
RG 223	4,2	5	6	7	9,5	14	17,8	28	44	50	60	75
RG 316	8,2	10	12	17	19	28	54	65	85	103	--	--
RG 11	1,3	2,6	4	4,8	6,2	9	11	20	28	31	34	45
RG 59	2,8	4	4,8	5,6	7,8	11,5	14	25	35	39	45	60
RG 179	8,2	10,2	12	15	19,5	28	35	65	90	--	--	--

Tabelle 3 (riassunto dei più usati)

Perdita in dB/100 mt					Riferimento	
MHz	AIRCELL nr 7	ECOFLEX nr10	AIRCOM +PLUS	ECOFLEX nr15	RG-58	RG-213
100	6.6	4.0	3.3	2.8	16.1	6.9
144	7.9	4.8	4.5	3.4	17.8	8.5
432	14.1	8.9	8.2	6.1	33.2	15.8
1000	22.5	14.2	12.5	9.8	54.6	22.5
2000	33.8	21.2	19.8	14.7	87.5	33.8
3000	43.8	27.0	25.0	18.7	118	58.5

Possibili inconvenienti di “entrata acqua o condensa o umidità” con cavi AIRCOM contro ECOFLEX pieno!

Attenuazione - db/100 pieds.

RG # = Type de cable D = Diélectrique (A=air P=poly, F=foam, T=teflon)
Im = Impédance DE = Diamètre extérieur
F V = Facteur V KV = Kilovolts maximum

RG #	D	Im	100 MHz	400 MHz	1 GHz	DE	F V	KV max
RG4 /U		50						
RG5 B/U		50				.332	.66	
RG6 /U	f	75	2.1	5	6.9	.27	.78	0.6
RG7 /U		95						
RG8 /U	p	50	1.8	4.7	6.9	.405	.66	5
RG8 /U	f	50	1.1 @ 50MHz				.78	0.6
RG8 /X		50	3.7	8	12.8	.242	.78	2.5
RG9 /U	p	51	2.2	4.7	8.9	.42	.66	5
RG10 A/U		50				.475	.66	
RG11 /U	p	75	2	4.2	6.8	.405	.66	5
RG11 /U	f	75	1.0 @ 50MHz				.78	0.6
RG12 A/U		75	2.15	4.7	8.2	.475	.66	
RG13 A/U		75	2.2	4.6	8	.425	.66	
RG14 A/U		52	1.4	3.1	5.8	.545	.66	
RG15 /U		76						
RG16 /U		52						
RG17 A/U		52	.81	1.9	3.8	.87	.66	
RG18 /U		52	.81	1.9	3.8	.87	.66	
RG19 /U		52	.7	1.5	3.5	1.12	.66	
RG20 /U		52	.7	1.5	3.5	1.195	.66	
RG21 /U		53				.332	.66	
RG22 B/U	p	95	3	9.5	---	.42	.66	
RG23 /U		125						
RG24 /U		125						
RG25 /U		48						
RG26 /U		48						
RG27 /U		48						
RG28 /U		48						
RG28 A/U		50						
RG29 /U		53.5				.184	.66	
RG30 /U		58						
RG31 /U		51						
RG32 /U		51						
RG33 /U		51						
RG34 /U		71				.63	.66	
RG35 /U		71	1	2.5	4.5	.94	.66	
RG36 /U		69						
RG37 /U		52.5						
RG38 /U		52.5						
RG39 /U		72.5						
RG40 /U		72.5						
RG41 /U		67.5						
RG42 /U		78						
RG43 /U		95						
RG44 /U		50						
RG45 /U		50						
RG46 /U		50						
RG47 /U		50						
RG48 /U		53						
RG54 A/U		58	4	8	12	.25	.66	
RG55 B/U		53.5	4.3	8.8	16.5	.206	.66	1.9
RG56 /U		53.5						
RG57 /U		95				.625	.66	
RG58 A/U	p	50	4.9	11.5	20	.195	.66	1.9
RG58 /U	f	50	3.1 @ 50MHz				.78	0.2
RG59 B/U	p	75	3.4	7	11.1	.242	.66	2.3
RG60 /U		50						
RG62 A/U	a&p	93	2.7	5.4	8.3	.242	.84	0.7
RG63 /U		125				.405	.84	
RG64 /U		48						
RG65 /U		950	20	50	---	.405	---	

RG66 /U		69						
RG71 B/U	a&p	93	1.9	3.2	8.5	.25	.84	0.7
RG72 /U		150						
RG73 /U		25						
RG74 /U		50				.615		
RG76 /U		50						
RG77 /U		48						
RG78 /U		48						
RG79 B/U		125				.475	.84	
RG80 /U		51						
RG81 /U		52						
RG82 /U		52						
RG83 /U		35						
RG84 /U		71	1	2.5	4.5	1	.66	
RG85 /U		71	1	2.5	4.5	1.565	.66	
RG86 /U		205						
RG87 A/U		50				.425		
RG88 /U		50						
RG89 /U		125						
RG90 /U		50						
RG91 /U		50						
RG92 /U		50						
RG93 /U		50						
RG94 /U		50				.5		
RG95 /U		50						
RG96 /U		50						
RG97 /U		50						
RG98 /U		50						
RG99 /U		50						
RG100 /U		35				.242	.66	
RG101 /U		70						
RG102 /U		140						
RG108 A/U		78						1
RG109 /U		76						
RG111 /U		95						
RG114 /U		185				.405	.66	

RG71 B/U	a&p	93	1.9	3.2	8.5	.25	.84	0.7
RG72 /U		150						
RG73 /U		25						
RG74 /U		50				.615		
RG76 /U		50						
RG77 /U		48						
RG78 /U		48						
RG79 B/U		125				.475	.84	
RG80 /U		51						
RG81 /U		52						
RG82 /U		52						
RG83 /U		35						
RG84 /U		71	1	2.5	4.5	1	.66	
RG85 /U		71	1	2.5	4.5	1.565	.66	
RG86 /U		205						
RG87 A/U		50				.425		
RG88 /U		50						
RG89 /U		125						
RG90 /U		50						
RG91 /U		50						
RG92 /U		50						
RG93 /U		50						
RG94 /U		50				.5		
RG95 /U		50						
RG96 /U		50						
RG97 /U		50						
RG98 /U		50						
RG99 /U		50						
RG100 /U		35				.242	.66	
RG101 /U		70						
RG102 /U		140						
RG108 A/U		78						1
RG109 /U		76						
RG111 /U		95						

RG191 /U		25				1.46		
RG195 /U		95	9.8	15.8	25	.155	.66	
RG196 A/U		50	9.8	15.8	25	.08	.66	
RG209 /U		50				.75		
RG210 /U		93			3.1	.242		0.75
RG211 /U		50				.73		
RG212 /U		50	1.6	3.6	8.8	.336	.66	
RG213 /U	p	50	2.2	4.7	8	.405	.66	5
RG214 /U	p	50	2.2	4.7	8	.425	.66	5
RG215 /U		50	2.2	4.6	9	.475	.66	
RG216 /U		75				.425	.66	
RG217 /U		50	1.4	3.1	5.8	.545	.66	7
RG218 /U		50	.81	1.9	3.8	.87	.66	11
RG219 /U		50	.81	1.9	3.8	.87	.66	11
RG220 /U		50	.7	1.5	3.5	1.12	.66	
RG221 /U		50	.7	1.5	3.5	1.195	.66	
RG223 /U	p	50	4.5	9.2	14.3	.212	.66	1.9
RG224 /U		50	1.5	3	6	.615		
RG225 /U		50			7.5	.43		5
RG226 /U		50				.5		
RG227 /U		50				.49		
RG228 /U		50				.795		
RG279 /U		75				.145		
RG280 /U		50				.48		
RG281 /U		50				.75		
RG301 /U		50				.245		
RG302 /U		75	3.9	8	12.8	.206		2.3
RG303 /U		50	9.8	15.8	25	.17	.66	1.9
RG304 /U		50				.28		
RG307 /U		75				.27		
RG316 /U		50	10.4	16.5	31	.102	.66	1.2
RG393 /U		50	2.1	4.4	7.5	.36	.69	5
RG400 /U		50	3.1	8.1	13	.171		1.9
RG401 /U		50			7.5			3
RG402 /U		50			13			2.5
RG403 /U		50	13.6	26.5	45	.116		

RG195 /U		95	9.8	15.8	25	.155	.66	
RG196 A/U		50	9.8	15.8	25	.08	.66	
RG209 /U		50				.75		
RG210 /U		93			3.1	.242		0.75
RG211 /U		50				.73		
RG212 /U		50	1.6	3.6	8.8	.336	.66	

	Date tecnici cavo coassiale						100 m in db MHz								
	Durch-messer [mm]	Biege-Radius [mm]	Imp Ohm	v/c	Peso je100 m [kg]	cap pf/m	10	14	28	50	100	144	435	1296	2320
Airc plus	10.8	55	50	0.85	15.0	84	0.9				3.3	4.5	8.2	14.5	21.5
H2000 Flex	10.3	50	50	0.83	14.0	80		1.4	2.0	2.7	3.9	4.8	8.5	15.7	21.8
ECOFLEX 10	10.2	40	50	0.86	13.1	77	1.2				4.0	4.8	8.9	16.5	23.1
ECOFLEX 15	14.6	70	50	0.86	25.8	77	0.9			2.0	3.4	6.1	11.4	16.0	23.1
H 500	9.8	75	50	0.81	13.5	82	1.3			2.9	4.1		9.3	16.8	ca. 24.5
RG 213 U-S 100	10.3	105	50	0.66	15.5	100			2.4	3.2		5.9	10.0	21.1	ca. 42
Aircell 7	7.3	25	50	0.83	7.2	74		3.4	3.7	4.8	6.6	7.9	14.0	26.1	ca. 38
H 155	5.4	35	50	0.79	3.9	100			4.9	6.5	9.4	11.2	20.0	34.9	ca. 53
RG 213 U	10.3	55	50	0.66	15.5	101	2.2		3.1	4.4	6.2	7.9	15.0	27.5	ca. 47
RG 58ALL	4.9	32	50	0.78	3.2	82				8.3	11.0		23.0	44.8	
RG 58 CU	5.0	30	50	0.66	4.0	101		6.2	8.0	11.0	15.6	17.8	33.0	64.5	ca. 100
RG 233	5.4	25	50	0.66	6.0	101		6.1	7.9	11.0	15.0	17.6			
H 43	9.8	100	75	0.85	9.1	52	1.2			2.5	3.7		8.0	14.8	ca. 23.7
RG 11	10.3	50	75	0.66	13.9	67				4.6	6.9		18.0	ca. 30	
RG 59	6.15	30	75	0.66	5.7	67					12.0		25.0	33.6	
CX 5 S	6.8	35	75	0.80	4.0	55				5.1		12.0		24.0	
3 V 60	6.0	40	60	0.66	4.9	85					10.0		22.0	38.0	

Cellflex LCF 12-50 0,5 Zoll

Diametro: 16,2 mm
Raggio min.: 70 mm
7,2 dB

Peso: 22 kg/100 m
Perdita ogni 100 m per i 1000 MHz

Potenza max. (1 GHz) 1,18 KW

Tabelle 4 (notare RG213 FOAM ottime caratteristiche)

Typ		RG-316	RG-174	RG-58/U	RG-59	RG-213/UBX	RG-213 FOAM	AIRCOM plus	AIRCELL 7	ECOFLEX 10	ECOFLEX 15	Nuovo! H-155	
Impedenza		50	50	50	75	50	50	50	50	50	50	50	Ohm
Diametro esterno		2,6	2,6	5,8	6,2	10,3	10,3	10,3	7,3	10,2	14,6	5,4	mm
Perdite ogni 100m	30 MHz	18	20	9,0	6,0	1,97	3,7	2,5				3,4	dB/100m
	144 MHz	32	34	19	13,5	8,5	4,94	4,5	7,9	4,8	3,4	11,2	dB/100m
	432 MHz	60	70	33	23	15,8	9,3	8,2	14,1	8,9	6,1	19,8	dB/100m
	1296 MHz	100	110	64,5		28	18,77	15,2	26,1	16,5	11,4	34,9	dB/100m
	2320 MHz	140	175				23,7	21,5	39	23,1	16,0		dB/100m
Fattore di velocità		0,7	0,66	0,66		0,66	0,8	0,85	0,83	0,86	0,86	0,79	
Potenza ammissibile	10 MHz	900	200				2000	5550	2960	3900	6450	550	W
	145 MHz	280	95				1000	700	1000	1850	1000	240	W
	1000 MHz	120	30				120	280	190	350	560	49	W

Benefits of LMR Cable

Flexible: More flexible than corrugated copper cables; often eliminating the need for jumper cables.

Low Cost: The most cost effective choice for antenna feeders and jumper cables.

Low Loss: Loss comparable to corrugated copper cables.

Weatherproof: Black polyethylene UV protected jacket for long life. Bonded aluminum tape resists moisture ingress.

Attenuation (dB per 100 feet)

	LMR1200	LMR900	LMR600	1/2" FSJ4-50B	RFP400 LMR400	Belden 9913F7	9914	RG214 RG213	RFP240 LMR240	Belden RG8X	LMR200	LMR195	RG58/U
Frequency/Size	**1.200"**	**0.870"**	**0.590"**	0.520"	**0.405"**	0.405"	0.400"	0.405"	**0.240"**	0.242"	0.195"	0.195"	0.195"
30 MHz	**0.209**	**0.288**	**0.421**	0.561	**0.7**	0.8	0.8	1.2	**1.3**	2.0	1.8	1.8	2.5
50 MHz	**0.272**	**0.374**	**0.547**	0.730	**0.9**	1.1	1.1	1.6	**1.7**	2.5	2.3	2.3	3.1
150 MHz	**0.481**	**0.658**	**0.964**	1.29	**1.5**	1.7	1.7	2.8	**3.0**	4.7	3.9	4.0	6.2
220 MHz	**0.589**	**0.803**	**1.18**	1.58	**1.8**	2.1	2.1	3.5	**3.7**	6.0	4.8	4.8	7.4
450 MHz	**0.864**	**1.17**	**1.72**	2.32	**2.7**	3.1	3.1	5.2	**5.3**	8.6	6.9	7.0	10.6
900 MHz	**1.27**	**1.70**	**2.50**	3.41	**3.9**	4.4	4.5	8.0	**7.6**	12.8	9.9	9.9	16.5
1,500 MHz	**1.69**	**2.24**	**3.31**	4.57	**5.1**	6.0			**9.9**		12.7	12.9	

Power Handling (kW; +40C; Sea Level; Continuous Duty Cycle)

	LMR1200	LMR900	LMR600	1/2" FSJ4-50B	RFP400 LMR400	Belden 9913F7	RG213	RFP240 LMR240	Belden RG8X	LMR195	RG58/U
Frequency/Size	**1.200"**	**0.870"**	**0.590"**	0.520"	**0.405"**	0.405"	0.405"	**0.240"**	0.242"	0.195"	0.195"
30 MHz	**12.6**	**8.9**	**5.5**	5.75	**3.3**	2.2	1.8	**1.49**	0.35	1.02	0.40
50 MHz	**9.7**	**6.8**	**4.3**	4.42	**2.6**	1.7	1.2	**1.15**	0.28	.79	0.30
150 MHz	**5.5**	**3.9**	**2.4**	2.49	**1.5**	0.90	0.62	**0.66**	0.15	.45	0.16
220 MHz	**4.5**	**3.2**	**1.9**	2.04	**1.2**	0.60		**0.54**		.37	
450 MHz	**3.1**	**2.2**	**1.3**	1.38	**0.83**	0.45	0.30	**0.38**	0.08	.26	0.08

900 MHz	**2.1**	**1.5**	**0.93**	0.944	**0.58**	0.28	0.18	**0.26**	0.05	.18	0.05
1,500 MHz	**1.6**	**1.1**	**0.70**	0.705	**0.44**	0.20		**0.20**		.14	
Velocity (%)	88	87	87		85	83	66	84	80	80	66

Low Duty Cycle Transmissions – For less than 50% duty cycle. Power rating may be doubled.

General Performance Properties

	LMR1200	LMR900	LMR600	RFP400 LMR400	RFP240 LMR240	LMR195
Conductor: (note 1)	0.349”	0.262”	0.176”	0.109”	0.056”	0.037”
Dielectric: Cellular PE (note 2)	0.920”	0.680”	0.455”	0.285”	0.150”	0.113”
Shield: Aluminum Tape (note 3)	0.926”	0.686”	0.461”	0.291”	0.155”	0.118”
Tinned Copper Braid	0.972”	0.732”	0.490”	0.320”	0.178”	0.141”
Jacket: Black PE (note 4)	1.200”	0.870”	0.590”	0.405”	0.240”	0.195”
Bend Radius (note 5)	6.5”	3.0”	1.5”	1.0”	0.75”	0.50”
Weight (lbs/foot)	0.448	0.266	0.131	0.068	0.034	0.022”
Temperature Range	-40° to +85°					

Special LMR Product

AIRCOM/AIRCEL/ECOFLEX

CELLFLEX

	Cable Type	Jacket Options	Nominal Size Inch	Diameter Over Jacket mm (in)	Cable Weight kg/m (lb/ft)	Minimum Bending Radius[1] mm (in)	Attenuation at 1000MHz[2] dB/100 m (dB/100ft)	Mean Power Rating at 1000 MHz[3] KW
CELLFLEX								
Superflexible	SCF14-50	J; JFN	1/4"	7.8 (0.31)	0.07 (0.05)	25 (1.0)	19.5 (5.94)	0.339
Cables	SCF38-50	J; JFN; JGR	3/8"	10.2 (0.4)	0.12 (0.08)	25 (1.0)	14.1 (4.29)	0.560
	SCF12-50	J; JFN; JGR	1/2"	13.7 (0.54)	0.21 (0.14)	32 (1.25)	11.2 (3.41)	0.770
Ultraflexible	UCF78-50A	J; JFN	7/8"	27.5 (1.08)	0.43 (0.29)	90 (4)	4.44 (1.35)	2.27
Cables	UCF114-50A	J; JFN	1-1/4"	39.4 (1.55)	0.86 (0.58)	200 (8)	3.14 (0.957)	3.52
Low Loss	LCF14-50	J; JFN	1/4"	10 (0.39)	0.13 (0.09)	40 (2)	14.48 (4.41)	0.550
Cables	LCF38-50	J; JFN	3/8"	11.2 (0.44)	0.12 (0.08)	50 (2)	11.33 (3.45)	0.640
	LCF12-50	J; JFN; JGR	1/2"	16.2 (0.64)	0.22 (0.15)	70 (3)	7.20 (2.19)	1.18
	LCF58-50	J; JFN	5/8"	21.4 (0.84)	0.37 (0.25)	90 (4)	5.59 (1.70)	1.67
	LCF78-50A	J; JFN; JGR	7/8"	28.0 (1.10)	0.51 (0.34)	120 (5)	3.93 (1.20)	2.66
	LCFS114-50A	J; JFN; JGR	1-1/4"	39.0 (1.54)	1.12 (0.69)	200 (8)	2.94 (0.896)	3.60
	LCF158-50A	J; JFN	1-5/8"	50.3 (1.98)	1.19 (0.8)	200 (8)	2.39 (0.729)	4.86
	LCF214-50A	J; JFN	2-1/4"	59.9 (2.36)	1.70 (1.14)	280 (11)	2.11 (0.643)	6.61
RG TYPE CABLES								
	RG-58			5.0 (0.197)	0.037 (0.025)	25 (0.98)	61 (18.59)	–
	RF-174			2.7 (0.106)	0.012 (0.008)	14 (0.55)	93.0 (28.4)	–
	RG-213			10.3 (0.406)	0.155 (0.104)	50 (1.97)	25.8 (7.9)	–
	RGC-8			10.2 (0.40)	0.137 (0.092)	60 (2.4)	13.2 (4.02)	–
	RGC-58			5.0 (0.197)	0.03 (0.020)	25 (0.98)	35.4 (10.8)	–
	RGC-213			10.3 (0.40)	0.126 (0.085)	50 (2)	14.9 (4.5)	–
HELIFLEX								
Standard	HCA38-50	J; JB	3/8"	13.9 (0.55)	0.31 (0.21)	50 (2)	9.10 (2.77)	0.769
Cables	HCA12-50	JPL	1/2"	15.7 (0.62)	0.27 (0.18)	120 (5)	7.77 (2.37)	2.09
	HCA58-50	J; JB	5/8"	21.4 (0.84)	0.70 (0.47)	80 (3)	5.66 (1.72)	1.46
	HCA78-50	J; JB; JPL	7/8"	28.3 (1.11)	0.68 (0.46)	100 (4)	3.94 (1.20)	2.58
	HCA118-50	J; JB	1-1/8"	36.4 (1.43)	1.10 (0.74)	130 (5)	3.09 (0.94)	3.72
	HCA158-50	J; JB; JPL	1-5/8"	50.4 (1.984)	1.30 (0.89)	180 (7)	2.01 (0.61)	6.11
	HCA214-50	J	2-1/4"	60.5 (23.8)	1.7 (1.15)	210 (8)	1.93 (0.588)	6.63
	HCA300-50	J; JFN	3"	76.7 (3.02)	2.6 (1.78)	270 (11)	1.48 (0.452)	11.4
	HCA318-50	J; JB	3-1/8"	90.5 (3.56)	3.3 (2.25)	380 (15)	1.26 (0.380)	17.0
	HCA418-50	J; JB; JFN	4-1/8"	115.1 (4.53)	5.4 (3.63)	500 (20)	0.96 (0.292)[4]	25.1
	HCA500-50	J; JB; JFN	5"	147.2 (5.79)	8.65 (5.78)	800 (31)	0.69 (0.210)[4]	42.0[4]
	HCA618-50	J; JFN	6-1/8"	169.0 (6.65)	11.0 (7.39)	1000 (39)	0.61 (0.186)[5]	54.0[4]
	HCA800-50	J; JB	8"	223.0 (8.78)	18.6 (12.5)	1400 (55)	0.42 (0.128)[5]	103[5]
Increased	HCA38-50	JFT	3/8"	13.9 (0.55)	0.31 (0.21)	50 (2)	9.31 (2.84)	1.13
Mean	HCA158-50	JFT	1-5/8"	50.4 (1.984)	1.30 (0.89)	180 (7)	2.23 (0.680)	8.21
Power	HCA500-50	JT, JFN	5"	147.2 (5.79)	8.65 (5.78)	800 (31)	0.728 (0.222) [4]	63.6 [4]
Cables	HCA618-50	JT	6-1/8"	169.0 (6.65)	11.0 (7.39)	1000 (39)	0.61 (0.186)[4]	54.0[4]
	HCA800-50	JT; JBT	8"	223.0 (8.78)	18.5 (12.4)	1400 (55)	0.37 (0.113)[5]	139[5]
	HCA900-50	no Jacket	9"		9.6 (6.48)	1700 (67)	0.41 (0.125)[6]	245[6]

CABLE No.	Imp (Zo) ohm	Cable outside (mm)	Vel. factor	10 MHz 100 m	100 MHz 100 m	1000 MHz 100 m	Capaci-tance (pF/m)	Maximum voltage (rms)
RG-5/U	52.5	8.4328	0.659	2.52	9.51	37.73	93.5	3.000
RG-5B/U	50	8.4328	0.659	2.16	7.87	28.87	96.78	3.000
RG-6A/U	75	8.4328	0.659	2.56	9.51	36.74	65.61	2.700
RG-8A/U	50	10.287	0.659	1.8	6.56	26.24	100	4.000
RG-9/U	51	10.668	0.659	1.87	6.56	23.95	98.4	4.000
RG-9B/U	50	10.795	0.659	2	6.89	29.53	100	4.000
RG-10A/U	50	12.065	0.659	1.8	6.56	26.25	100	4.000
RG-11A/U	75	10.287	0.66	2.29	7.54	25.59	67.25	5.000
RG-12A/U	75	12.065	0.659	2.16	7.54	26.24	67.25	4.000
RG-13A/U	75	10.795	0.659	2.16	7.54	26.24	67.25	4.000
RG-14A/U	50	13.843	0.659	1.34	4.59	18.04	98.42	5.500
RG-16/U	52	16.002	0.67	1.31	3.93	21.98	96.78	6.000
RG-17A/U	50	22.098	0.659	0.738	2.62	11.15	98.42	11.000
RG-18A/U	50	24.003	0.659	0.738	2.62	11.15	100	11.000
RG-19A/U	50	28.448	0.659	0.55	2.23	11.48	100	14.000
RG-20A/U	50	30.353	0.659	0.55	2.23	11.48	100	14.000
RG-21A/U	50	8.4328	0.659	14.43	42.65	141	67.25	2.700
RG-29/U	53.5	4.6736	0.659	3.93	14.43	52.49	93.5	1.900
RG-34A/U	75	16.002	0.659	0.95	4.26	19.68	67.25	5.200
RG-34B/U	75	16.002	0.66	0.98	4.59	19.02	70.53	6.500
RG-35A/U	75	24.003	0.659	0.771	2.78	11.48	67.25	10.000
RG-54A/U	58	6.35	0.659	2.42	10.17	37.73	86.94	3.000
RG-55/U	53.5	5.2324	0.659	4.26	15.74	55.77	93.5	1.900
RG-55A/U	50	5.4864	0.659	4.26	15.74	55.77	96.78	1.900
RG-58/U	53.5	4.953	0.659	4.1	15.25	57.41	93.5	1.900
RG-58C/U	50	4.953	0.659	4.59	16.07	78.74	67.25	1.900
RG-59A/U	75	6.1468	0.659	3.61	11.15	39.37	67.25	2.300
RG-59B/U	75	6.1468	0.66	3.61	11.15	39.37	68.89	2.300
RG-62A/U	93	6.1468	0.84	2.78	8.85	28.21	44.29	750
RG-574/U	50	15.621	0.659	1.24	4.92	19.68	67.25	5.500
RG-83/U	35	10.287	0.66	2.62	9.18	31.49	144.35	2.000
RG-213/U	50	10.287	0.66	1.96	6.23	26.24	96.78	5.000
RG-218/U	50	22.098	0.66	0.65	3.28	14.43	96.78	11.000
RG-220/U	50	28.448	0.66	0.65	2.29	11.81	96.78	14.000
Flexwell 3/8" Cu2Y	50	15.7	0.89	0.87	2.77	9.1	77	1.300
Notes: Attenuazione ogni 100m								

ALTRE SPECIFICHE CAVI COASSIALI

CAVO COASSIALE RG 213 NORME MIL C 17 F	
Zc = 50 ohm diametro = 10,3 mm peso per 100 metri = 15 kg fattore di velocità = 0,66 costante dielettrica = 2,28	perdita per 100 metri 30 MHz = 3,35 dB 145 MHz = 8,14 dB 435 MHz = 15,41 dB 1000 MHz = 24,33 dB 1500 MHz = 35,24 dB

CAVO COASSIALE ECOLOGICO RGV 213 FOAM	
Diel. Cellulare PE PVC tipo II A - MIL C 17 F Zc = 50 ohm - diam. 10,3 mm peso per 100 metri = kg 13 fattore di velocità = 0,80 costante dielettrica = 1,5	perdita per 100 metri 10 MHz = 1,13 dB 30 MHz = 1,97 dB 145 MHz = 4,94 dB 435 MHz = 9,3 dB 1296 MHz = 18,77 dB

CAVO COASSIALE RG 8 XX FOAM - DOUBLE SHIELD	
Zc = 50 ohm diametro = 6,15 mm 100 m = kg 4,7 fattore di velocità = 0,80 costante dielettrica = 1,5	perdita per 100 metri 10 MHz = 3,37 dB 30 MHz = 6,02 dB 145 MHz = 14,20 dB 435 MHz = 26,37 dB 1296 MHz = 58,99 dB

CAVO COASSIALE RG 58 XX	
Zc = 50 ohm diametro = 4,95 mm peso per 100 metri = kg 3,2 fattore di velocità = 0,80 costante dielettrica = 1,5	perdita per 100 metri 10 MHz = 3,91 dB 30 MHz = 6,6 dB 145 MHz = 13,70 dB 435 MHz = 24,81 dB 800 MHz = 34,76 dB

CAVO COASSIALE CT 50/20 FOAM	
Zc = 50 ohm diametro = 10,3 mm peso per 100 metri = kg 13 fattore di velocità = 0,80 costante dielettrica = 1,5	perdita per 100 metri 10 MHz = 1,48 dB 30 MHz = 2,33 dB 145 MHz = 5,17 dB 435 MHz = 9,46 dB 1296 MHz = 18,37 dB

COAXIAL CABLE HIGH QUALITY HELIAX 1/2' ANDREW	
Zc = 50 ohm diametro 16,7 mm peso per 100 metri = kg 22 fattore di velocità 0,88 capacità = 75 pF/m connessione N (UG 21 CLX 160)	perdita per 100 metri 5 MHz = 0,48 dB 30 MHz = 1,24 dB 145 MHz = 2,72 dB 435 MHz = 4,9 dB 1296 MHz = 8,9 dB 2500 MHz = 12,4 dB

ECCO DI SEGUITO ALTRE TABELLE RECUPERATE IN RETE MA UTILI DA AVERE!

Kabeltyp	***aircell7®***	**aircom ® plus**	***SP3000plus flessibile***	***ECOFLEX 10®*** ***ECOFLEX 15® ****	**Low-Loss 5056**	**RG8/U Belden 9913**	**Low-Loss-5mm (WBC195 / RF195)**
Diametro interno d(mm)	19x0,37 Litze	2,70 Fest	19 x 0,54 Litze (2,65)	7 x 1,00 Litze (2,85) 7 x 1,55 Litze (4,50)	7x0,49 Litze (1,40)	2,75 Fest	0,95 Fest
Mantel d(mm)	7,30 PVC	10,30 PVC	10,30 PVC	10,20 PVC 14,60 PVC	5,60 PVC	10,30 PVC	4,95 PVC
Impedenza	50+-2 Ohm	50+-2 Ohm	50+-2 Ohm	50+-2 Ohm	50+-2 Ohm	50+-2 Ohm	50+-2 Ohm
Perdita (dB/100m)							
7 MHz	1,9	1,1	1,4	1,2 0,6	-	1,3	-
14 MHz	2,6	1,5	1,8	1,6 0,9	-	1,7	-
21 MHz	3,0	1,7	2,0	1,8 1,0	-	1,9	-
28 MHz	3,6	1,9	2,3	2,1 1,2	-	2,2	-
100 MHz	6,6	3,3	4,6	4,0 2,8	10,0	4,3	11,8
145 MHz	7,9	4,5	5,5	4,8 3,4	11,8	5,2	14,0
432 MHz	14,1	8,2	10,0	8,9 6,1	19,0	9,5	24,5
1000 MHz	22,5	12,5	16,1	14,2 9,8	30,3	15,4	37,9
1300 MHz	26,1	15,2	18,8	16,5 11,4	37,2	17,2	42,6
1800 MHz	31,9	19,9	23,1	21,3 13,8	41,0	22,3	48,5
2320 MHz	37,9	21,5	24,5	23,1 16,0	46,1	23,8	58,0
3000 MHz	43,8	25,0	29,9	27,0 18,7	52,2	28,4	66,0
Fattore velocità	0,83	0,85	0,83	0,86	0,82	0,83	0,82
Capacità (pF/m)	74	84	80	77	81	81	80
Raggio Minimo (mm)	25	55	50	40 150	30	60	25

50 Ohm RG-Kabel con isolazione Teflon

Kabeltyp	RG178A/U	RG316A/U	RG316/U DS (RD316)	RG142B/U	RG400/U
Diametro interno d(mm)	7x0,10	7x0,17	7x0,17	0,95	19x0,20
Isolazione**Teflon** d(mm)	0,90 FEP	1,50 FEP	1,50 FEP	2,95 FEP	2,95 PTFE
Copertura FEP d (mm)	1,85	2,50	2,90	4,95	4,95
Impedenza (Ohm)	50+-2	50+-2	50+-2	50+-2	50+-2
Perdita (dB/100m)					
100 MHz	43,0	28,0	28,0	14,1	17,0
200 MHz	62,0	40,2	40,2	20,0	23,0
500 MHz	102,0	68,0	68,0	33,0	38,0
800 MHz	134,0	90,0	90,0	42,0	50,0
1000 MHz	170,0	95,0	95,0	48,0	52,0
1300 MHz	180,0	100,0	100,0	55,0	59,0
1800 MHz	210,0	135,0	135,0	66,0	71,0
2400 MHz	250,0	150,0	150,0	76,0	81,0
3000 MHz	280,0	170,0	170,0	86,0	92,0
Fattore velocità	0,70	0,70	0,70	0,70	0,70
Capacità (pF/m)	93	95	95	96	95
Raggio Minimo (mm)	10	15	15	50	25

Tipo Cavo	RG11/U	RG59B/U	0,6/3,7 Cavo video verde	RG62A/U
Diametro interno (mm)	7x0,40 Litze	0,60 Fest	0,60 Fest	0,65 Fest
Material Cu	blank, verzinnt	blank	blank	blank
Isolation PE d (mm)	7,30 voll	3,70 voll	3,70 voll	3,70 Luft
Aussenleiter Cu-Geflecht	blank	blank	blank	blank
Mantel PVC d (mm)	10,30	6,20	6,00	6,15
Wellenwiderstand (Ohm)	75+-3	75+-3	75+-3	93+-5
100 MHz	7,5	11,5	12,5	10,5
200 MHz	11,0	16,5	18,3	15,0
500 MHz	18,5	27,0	29,3	24,5
800 MHz	24,0	35,0	37,6	32,5
Fattore di velocità	0,66	0,66	0,66	0,75
Capacità (pF/m)	67	67	67	42,5
Raggio minimo (mm)	50	30	30	30

PE = Polyäthylen, FEP = Fluorethylenpropylen, PTFE = Polytetrafluorethylen

Low cost, low loss flexible LMR® cable!

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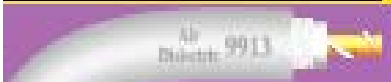
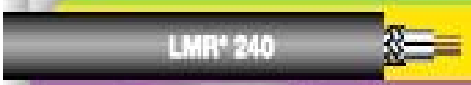
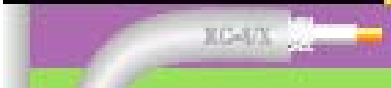
	Diameter in Inches	Jacket Material	Shielding (dB)	*Attenuation (dB/100') 30 MHz	146 MHz	440 MHz	2.4 GHz
 LMR® 900	.870	Black PE	90	.29	.65	1.2	2.9
 LMR® 600	.590	Black PE	90	.42	.95	1.7	4.3
 LMR® 400	.405	Black PE	90	0.7	1.5	2.7	6.6
 Air Dielectric 9913	.405	PVC	90	0.8	1.5	2.8	7.5
 9914	.403	PVC	90	1.0	2.1	3.8	8.7
 RG-214	.425	PVC-IIA	60	1.2	2.8	5.1	13.7
 RG-213	.405	PVC-IIA	40	1.2	2.8	5.1	13.7
 LMR® 240	.240	Black PE	90	1.3	3.0	5.2	12.7
 RG-8/X	.242	PVC	40	2.0	4.5	8.1	21.6
 LMR® 200	.195	Black PE	90	1.8	3.9	6.9	16.5
 LMR® 195	.195	Black PE	90	2.0	4.4	7.7	18.6
 RG-58	.195	PVC-IIA	40	2.5	5.1	10.4	35.0
 LMR® 100A	.105	Black PVC	90	3.9	8.8	15.6	38.9
 RG-174	.110	PVC-IIA	40	5.5	13.0	25.0	75.0

LMR features: Watertight foam polyethylene dielectric • Non-kinking • EZ install connectors

*Use calculator at www.timesmicrowave.com for loss at any frequency

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