

April 27th 2024		Attenuation /dB per 100m cable length																		www.dd1.us.de
Coaxialcable Type	Diameter /mm	Bending radius (stat/dyn) /mm	Impedance /Ohm	Velocity factor v/c	Weight per 100m /kg	Capacitance per m /pF	10 MHz	14 MHz	28 MHz	50 MHz	100 MHz	144 MHz	435 MHz	1296 MHz	2320 MHz	5800 MHz	10000 MHz	18000 MHz	24000 MHz	Comment
			50 Ohm																	
Andrew Heliax 5" HJ9HP-50	132.1	1270	50	0.96	506	68.2	0.069	0.08	0.12	0.165	0.245	0.3	0.6	-	-	-	-	-	-	
Andrew Heliax 1 5/8" LDF7-50A	49.8	203/508	50	0.88	122	75.8	0.2	0.23	0.34	0.47	0.67	0.82	1.51	2.8	4.1	-	-	-	-	
LMR1700	42.2	343/432	50	0.89	110	74.9			0.5	0.6		1.1	2.1	3.8	5.4	-	-	-	-	
Andrew Heliax 1 1/4" LDF6-50	39.4	152/381	50	0.89	89	75.1	0.24	0.29	0.41	0.55	0.79	0.95	1.75	3.2	4.6	-	-	-	-	
LMR1200	30.5	165/305	50	0.88	67	75.8			0.7	0.9		1.6	2.8	4.9	7.1	-	-	-	-	
RG 20 AU	30.4		50	0.66		76	0.56				2.3			13						
RG 19 AU	28.5		50	0.66		76	0.56				2.3			13						
RG 220 U	28.45	290	50	0.66	109	101			1.1			3.8	6	11.5						
Cellflex 7/8" LCF78-50A	27.8	120/250	50	0.89	51	75	0.353	0.4	0.6	0.801	1.15	1.4	2.5	4.5	6.45	-	-	-	-	Power CW=6.6kW, peak=90kW @100MHz
Cellflex 7/8" UCF78-50A	27.5	90/125	50	0.88	43	76	0.38	0.45	0.65	0.86	1.23	1.5	2.7	4.8	6.7	-	-	-	-	
Andrew Heliax 7/8" LDF 5-50A	26.2	127/254	50	0.89	49	74.8	0.37	0.45	0.63	0.83	1.19	1.43	2.6	4.7	6.6	-	-	-	-	Power CW=5.2kW, peak=44kW @100MHz
RG 219	24.3		50	0.66	89	101			1.5			4.4	7	13.5						
RG 18 AU	24		50	0.66		93	0.75				2.6			18						
RG 17 AU	22.1		50	0.66		93	0.75				2.6			18						
RG 218 U	22.1	230	50	0.66	68	101	0.66		1.5		3.6	4.4	7	13.5						
LMR900	22.1	76/229	50	0.87	40	76.6			0.9	1.2		2.2	3.8	6.5	9.5	16	-	-	-	
Cellflex 5/8" LCF58-50	21.4	90/190	50	0.88	37	76	0.5	0.6	0.86	1.14	1.64	2	3.55	6.4	9	15.5	-	-	-	
Cellflex 1/2" LCF12-50J	16.2	70/125	50	0.88	22	76	0.7	0.8	1.2	1.5	2.2	2.6	4.6	8.1	11.5	19	-	-	-	Power CW=2kW, peak=26kW @100MHz
RG 16 U	16		52	0.67		52	1.3				3.9			24						
Andrew Heliax 1/2" LDF4-50A	15.9	125	50	0.88	22	75.8	0.67	0.8	1.14	1.5	2.2	2.6	4.7	8.2	11.5	19.5	-	-	-	
RG 74 AU	15.6		50	0.66		98.4	1.25				4.9			21						
LMR600	15	38/153	50	0.87	20	77	0.8	0.9	1.3	1.8	2.6	3.1	5.5	10	13.9	23.8	-	-	-	
50-12-1	15		50	0.66		100	1.7				5.5	6.5	12							from GDR
PK61	15		50			115				3.6										from Russia
SeaTel 15	14.6	70/150	50	0.86	26	77	0.9			2	2.8	3.4	6.1	11.4	16	27.5	-	-	-	like ECOFLEX 15, SHF2 jacket, for marine
ECOFLEX15 FRNC	14.6	60/120	50	0.85	18.4	78	0.86			1.96	2.81	3.4	6.1	11.4	16.2	27.5	-	-	-	FRNC: flame retardant non corrosive
ECOFLEX15	14.6	70/150	50	0.86	26	77	0.9			2	2.8	3.4	6.1	11.4	16	27.5	-	-	-	
ECOFLEX15+	14.6	70/150	50	0.86	26	77	0.83			1.87	2.67	3.23	5.8	10.5	14.9	25.2	-	-	-	
Aircom Premium 15	14	70/140	50	0.85	16.6	78	0.7			1.46	2.4	2.77	5.23	10	14.7	26.5	37.5	-	-	
RG 14 AU	13.8		50	0.66		40	1.34				4.6			20						
RG 217	13.8		50	0.66	30	101			2.4			6	10	17.5						
Cellflex 1/2" SCF12-50	13.7	32	50	0.82	21	82	1	1.2	1.8	2.3	3.3	4	7.2	13	18	30	42	-	-	
Andrew Heliax FSJ4-50R	13.5	31,7/31,7	50	0.81	21	82.7	1	1.2	1.8	2.4	3.4	4.2	7.3	13.4	19.1	34	47.9	-	-	up to 10.2 GHz
SUCOFLEX 526V	13	50	50	0.8										30	50	75	100	140	170	Huber & Suhner
Hyperflex13	12.7	80/127	50	0.86	17.5	75	1	1.1	1.5	2	2.8	3.6	6.4	11.7	16.6	28.7	40.5	-	-	Messi&Paoloni
UltraFlex13	12.7	80/127	50	0.83	19.3	78	0.85	1	1.46	1.93	2.81	3.5	6.18	13.2	19.3	32.3	46	-	-	Messi&Paoloni
Ecoflex Multicore	12.5	50/100	50	0.85	16.9	78	2.93				9.4					83	-	-	-	coaxial cable like Aircell 5, 3x1.5mm2, 4x2
RG 215	12.5		50	0.66	24	101			3.7	4.4		8.5	15	27.5	46.5					
Broad-pro 50C Com-petition Double Jacket	12.4	80/124	50	0.85	17	74	1.2	1.39	1.93	2.5	3.6	4.4	7.8	14.1	19.8	33.3	46.8	-	-	
Heliax LDF2-50	11.2	41/95	50	0.88	12	75.5	1.1	1.3	1.8	2.4	3.4	4.1	7.4	13.2	18.4	31	44	-	-	
RG 214 A/U	10.8	60/120	50	0.66	20	101	2	2.3	3.4	4.6	6.2	8.3	15.4	31.8	-	-	-	-	-	
RG 214 U	10.8	55/108	50	0.66	18.5	101	2.1	2.4	3.2	4.9	7.1	7.8	14.8	30	45	85	-	-	-	
RG 9/U	10.7		51	0.66		98	1.9				6.9	8.2	16.4	32.8						
SUCOFLEX 404 A	10.3	30/50	50	0.89	7.2	74.7								25	34	54	72	99	116	Huber & Suhner
SUCOFLEX 126 EA	10.3	16/25	50	0.77	7									26	37	55	78	106	126	Huber & Suhner
Extraflex Bury	10.3	40/80	50	0.87	10.8	78	1.3	1.5	2	2.7	3.9	4.7	8.6	15.4	21.8	36.9	50.7	-	-	Messi&Paoloni - underground cable
HyperFlex10	10.3	40/80	50	0.87	11.1	78	1.34	1.55	2.07	2.76	3.95	4.76	8.6	15.5	21.8	36.0	50.7	-	-	Messi&Paoloni
UltraFlex 10	10.3	40/80	50	0.83	13	78	1.3	1.59	2.14	2.76	3.93	4.74	8.65	16.4	23.7	43.4	-	-	-	Messi&Paoloni

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NEOFLEX 10	10.3	40/80	50	0.83	13	78	1.3	1.59	2.14	2.76	3.93	4.74	8.65	16.4	23.7	43.4	-	-	-	
H2010	10.3	40/80	50	0.83	13	78	1.3	1.59	2.14	2.76	3.93	4.74	8.65	16.4	23.7	43.4	-	-	-	= Ultraflex10, NEOFLEX10
H 2000 FLEX®	10.3	50	50	0.83	14	80	1.1	1.4	2	2.7	3.9	4.8	8.5	15.7	21.8	39	54	-	-	
H 200 FLEX®	10.3	50	50	0.83	14	80				2.7	3.9	4.8	8.5	15.7						
H1001	10.3	50	50	0.8	10.3	82				3.3		5.9	10.9	18.7	26.6					
H 1000	10.3	75	50	0.83	12	80	1.3			3	4.3	5.2	9.3	18	15			-	-	
AIRBORNE 10	10.3	65/103	50	0.87	7	74	1.2	1.39	1.93	2.45	3.52	4.2	7.6	13.6	19.2	32	44.6	-	-	Messi&Paoloni
Broad-pro 50C Competition	10.3	65/103	50	0.85	13	74	1.2	1.39	1.93	2.5	3.6	4.4	7.8	14.1	19.8	33.3	46.8	-	-	Messi&Paoloni
ABOARD	10.3	65/103	50	0.87	11	74	1.2	1.39	1.93	2.45	3.52	4.2	7.6	13.6	19.2	32	44.6	-	-	Messi&Paoloni
SP3000 plus	10.3	50	50	0.83		80						5.5	10	18.8	24.5					
WBC-400	10.3	50	50	0.85	10	78.4			2.3	3		4.9	8.8	14.8	22					CommScope
CFD400-NL	10.3	25.4	50	0.85	12	76			2.3	3		5	8.9	14.8	21.2	35.5	-	-	-	similar to LMR400, Seele Aludraht verkupfert
LMR 400	10.3	25/102	50	0.85	10	78	1.3	1.5	2.2	2.9	4.4	4.9	8.8	14.8	21.4	35.9	-	-	-	like CFD400
RG 213 U-S 100	10.3	105	50	0.66	15.5	100		2.4	3.2			5.9	10.1	21.1	ca. 42			-	-	
RG 213 U	10.3	55/155	50	0.66	15.5	101	2.2		3.1	4.4	6.2	7.9	14.8	27.5	ca. 47			-	-	= Belden 8267
50-7-2	10.3		50	0.66		100	2.8					8.5	10	17	30					from GDR, similar to RG213
AIRCOM PLUS	10.3	55	50	0.83	15	81	1.2			2.6	3.8	4.6	8.4	15.6	22	39.5	58.3	-	-	
URM67	10.3	50	50	0.67	16	100				3.4	6.2	7.9	16	30						
Belden 9913	10.3	102	50	0.84	15.9	81	1.6			3.3	4.6	5.3	8.9	14.8						corresponds to RG-8/U
Bury-FLEX	10.3	51	50	0.82	14.9	81	2			3.6	4.9	5.6	9.8	16.5						DAVIS RF
SPUMA_400-FR-01	10.25	25/100	50	0.85	11.5	78							7	15	21	34	-	-	-	Huber&Suhner
AIRCOM Premium	10.2	41/82	50	0.85	12.9	78	1.1				3.6	4.2	8	14	19.9	34	60	-	-	solid center conductor copper clad aluminum, max 12GHz
Cellflex 3/8" SCF38-50	10.2	25	50	0.82	12	82	1.3	1.6	2.1	3	4.2	5.1	9	16	22	38	52	-	-	
SeaTel 10	10.2	40	50	0.86	13.1	77	1.2				4	4.8	8.9	16.5	23.1	40	-	-	-	like ECOFLEX 10, SHF2 jacket, for marine
ECOFLEX 10	10.2	40	50	0.86	13.1	77	1.2				4	4.8	8.9	16.5	23.1	40	-	-	-	max 6 GHz
ECOFLEX 10+	10.2	8x80	50	0.85	10.3	78	1.3			2.9	4.1	5	8.9	16.2	22.9	38	-	-	-	max 8 GHz
RG 8	10.2	102	50	0.68	11.4	75			2.3	3		4.9	8.9	15.7	21			-	-	= Belden 8327, 9913
H2010	10.2	40	50	0.83	12.4	78	1.1	1.5	2.1	2.8	4	4.9	8.7	15.5	24.8	-	-	-	-	Distributor: HFC Funktechnik Berg Germany
Cellflex 1/4" LCF14-50J	10	40/120	50	0.83	11	80	1.3	1.6	2.1	3	4.2	5.1	9	16	22	37	50	-	-	
RG-393/U	9.9		50																	PTFE, double shielded
H 100	9.8	150	50	0.84	11	79			2.2			5.5	9.1	16						
H 500	9.8	75	50	0.81	13.5	82	1.3			2.9	4.1	5.6	9.5	16.8	24.1					
URM102	9.7		50		20	96														max. PWR 100MHz: 1656W, 600MHz: 541W, 1GHz: 381W, 3GHz: 170W
RG 8/U	9.5	60	50	0.66	12.5	103	4	4.5	5.5	6.5	8	8.5	15							faber
URM107	9		50		19.5	96														
PK6	9		52			101				5.3					70					from Russia
PK106	9		53			101				4.5					85					from Russia
Andrew Heliax 1/4" LDF1-50	8.76	38/76	50	0.86	9	76.8	1.25	1.5	2.1	2.8	4	4.9	8.8	16	22	37	51	-	-	
SUCOFLEX 406	8.75	40/80	50	0.89	14.5	74.7								12	20	32	44	61	-	Huber&Suhner
RG 21 AU	8.4		50	0.66		98	1.4				4.3			15						
SUCOFLEX 406	8.35	30/60	50	0.89	14.5	74.7								12	20	32	44	61	-	Huber&Suhner
PKTØ 6	8		52			101									100					from Russia
SUCOFLEX SF-106	7.9	24/40	50	0.77	15.7	87							11	19	25	40	55	76	-	
Cellflex 1/4" SCF14-50	7.8	25	50	0.82	7	82	1.8	2.1	3	4.1	5.8	7.1	12	22	31	52	73	105	-	
SUCOFLEX 526S	7.7	25.4	50	0.77																Huber&Suhner
X98 / A92829	7.4	45/100	50	0.84	11.3	79							9	16	22		48	66		
SeaTex 7	7.3	25	50	0.83	7.2	75	2.2	3.4	3.7	4.5	6.3	7.6	13.8	24.8	35	63	-	-	-	like AIRCELL 7, SHF2 jacket, for marine
AIRCELL 7	7.3	25	50	0.83	7.2	75	2.2	3.4	3.7	4.5	6.3	7.6	13.8	24.8	35	63	-	-	-	

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UltraFlex7	7.3	34/68	50	0.83	6.9	75	1.9	2.2	3	4	5.8	6.9	12.3	22.3	32.3	54	-	-	-	Messi&Paoloni
HIGHFLEXX 7	7.3	34/68	50	0.83	6.9	75	1.9	2.2	3	4	5.8	6.9	12.3	22.3	32.3	54	-	-	-	Messi&Paoloni
H2007	7.3	35	50	0.83	8.3	75	2.2	2.3	2.8	4.5	6.3	7.6	13.6	24.9	35.6	63.5	-	-	-	Distributor: HFC Funktechnik Berg Germany
Diamond 5DQ-II	7.3		50							5		8	16	42	55					single shielded, solid center conductor, N-plug for Aircell-7 fits, attenuation estimated
RG 54	6.4		58	0.66		87	2.4				10.1			39						
TU-545	6.35		50	0.7		95						8	15		40					semi rigid
X84 / A92328	6.35	30/100	50	0.76	10	82						16	24	33			75	104		
UT 250	6.35	3.175		0.7	15.58	95.2														semi rigid
RG-401/U	6.35	22.2	50	0.695		95.1							16	25		60	89	157	-	semi rigid
SUCOFLEX 550S	6.1	25.4	50	0.77																Huber&Suhner
LMR240	6.1	19,1/63,5	50	0.84	5	79.4	2.5	3	4.2	5.7	8.1	9.7	17.1	30	40.8	66.9				
Low Loss 5056	5.6	30	50	0.82		81						11.8	19	37.2						
L45466-B14-C56	5.5		50	0.8		82			6.7	9.1	10.5	20	35							LEONI, double shielded
SUCOFLEX 126	5.5	16/25	50	0.77	7								26	37	55	78	106	126		Huber&Suhner
SUCOFLEX 104PE	5.5	16/25	50	0.77	6.8	87							30	50	75	115	160	180		Huber&Suhner
SUCOFLEX 404	5.5	25/35	50	0.89	7.2	74.7							25	34	54	72	99	116		Huber&Suhner
SUCOFLEX SF-104	5.5	16/25	50	0.77	8.4	87							17	28	37	59	80	110	129	
ALLGON Lowloss	5.5		50	0.85									24	39						
RG 55 AU	5.5		50	0.66		97	4.3				15.7			60						
HF50-0,9/2,95 (RG58)	5.5		50		12	100				13	18	26	42	72						CFKoaX2 Iqus Chainflex- uitable for dragchain
H155A00 AL PVC	5.4	35/60	50	0.8	3.8	84	3			6.9	9.1	10	18.5	34.5	49	84	-	-	-	Belden
MCF-H155PE	5.4	35	50	0.8	4.8	82					9		19	32	46					Bidatong, double shielded
H 155 PVC / FRNC	5.4	35	50	0.81	3.9	82	3	3.4	4.9	6.5	9.3	11.2	19.8	34.9	49	74		-	-	Belden
RG 223	5.4	25	50	0.66	5	101	4.2	6.1	7.9	11	15.4	17.6	34	60	85					
RG 223 U	5.4	30/54	50	0.66	5.5	101							34	50	76	132				Huber & Suhner
HyperFlex5	5.4	25/50	50	0.87	4.4	74	2.6	3	4.1	5.5	8	9.6	17	30.5	42.5	72.9				Messi&Paoloni
RG 55 U	5.3	30	53	0.66	5	94	4.3			10.2	15.7		29	60						
ENVIROFLEX 142	5	25/50	50	0.707	6	94.5							35	62	93	165	-	-	-	Huber&Suhner
ENVIROFLEX 400	5	10/40	50	0.707	6	94.5							35	62	93	160	-	-	-	Huber&Suhner
H2005	5	25/50	50	0.85	2.35	76	2.9	3.8	5.4	7	9.4	11	19.1	33.5	47.6	74	-	-	-	Distributor: HFC Funktechnik Berg Germany
AIRBORNE 5	5	25/50	50	0.85	2.35	76	3.45	3.98	5.42	7	9.45	11	19	34.2	47.6	74	-	-	-	
SeaTex 5	5	25/50	50	0.82	3.6	82	2.93			6.61	9.4	11.33	20	35.71	49	83	112	-	-	like AIRCELL 5, SHF2 jacket, for marine
AIRCELL 5	5	25/50	50	0.82	3.6	82	2.93			6.61	9.4	11.33	20	35.71	49	83	112	-	-	
RG 58 CU	5	25/75	50	0.66	3.7	101		6.2	8	11	15.6	17.8	33.2	64.5	100					
50-3-1	5		50	0.66		100	5				16	18	35							from GDR, corresponds to RG58
URM43	5		50		4.5	100														
URM76	5		50		4.2	100														
7806A	4.95		50	0.77																
CNT-195-FR	4.95	12.7	50		3	79.7			6.56	8.53		14.43	25.58	47.79	62.32	97.42				Belden (RG58)
HPF-195	4.95		50		3.07	87					11.68		22.6	38.76	56.33	106.85				Commscope
KX 15	4.95		50	0.659	3.6	100						23	32							
RG 400	4.95	30/75	50	0.69	7.5	94							36							
LMR200	4.95	12,7/50,8	50	0.83	3	80.3	3.3	4	5.6	7.5	10.6	12.8	22.4	39.3	53.3					
LMR195	4.95	12,7/50,8	50	0.75	3	83.3			6.5	8.4		14.6	25.5	45	60	98.1				
RG 142 AU	4.95		50	0.7		95			9	10.5	14	15	30	50						
RG 58 ALL	4.9	32	50	0.78	3.2	82				8.3	11.3		23.4	44.8						
RG 141	4.83	25	50	0.7		96.45							12.5	25.6	42					
9907	4.7	50.8	50	0.8	3.4	83.3	4.3			9.5	13.8	16.5	30.2	48						Belden (RG58A/U)
RG 29 U	4.7		53.5	0.66		94	3.9				14.4			55						

April 27th 2024		Attenuation /dB per 100m cable length																			www.dd1.us.de
Coaxialcable Type	Dia- meter /mm	Bending radius (stat/dyn) /mm	Impe- dance /Ohm	Velocity factor v/c	Weight per 100m /kg	Capa- citan- ce per m /pF	10 MHz	14 MHz	28 MHz	50 MHz	100 MHz	144 MHz	435 MHz	1296 MHz	2320 MHz	5800 MHz	10000 MHz	18000 MHz	24000 MHz	Comment	
X82 / A92398	4.6	25/75	50	0.76	5.4	82								40	50		111	150			
URM108	4.5		50		5.2	94															
SUCOFLEX SF-103	4.4	13/22	50	0.77	5.3	87								34	45	72	97	133	156		
84303	4.3	50.8	50	0.7	4.5	95	3.6		8.9	12.8	15	28	53							Belden (RG303U)	
RG 303 U	4.3			0.7	4.3	95	3.8		6.8	9.2	12.6	16.2	28.22		74	122					
SUCOFORM 141 FEP	4.1	8/40	50	0.71	4.7	92								40	60	110	153	220	270	semi rigid	
ECONOFLEX 143	3.95	26	50	0.695	4.4	96.5								66	82	121	180	285			
SUCOFLEX SF-102	3.75	12/20	50	0.77	4	87								43	58	94	124	170	198		
SUCOFORM 141	3.58	8/40	50	0.71	4	92								40	60	110	153	220	270	semi rigid = Flexiform 402	
Flexiform 402	3.58	8/40	50	0.71	4	92								40	60	110	153	220	270	semi rigid = SUCOFORM 141	
TU-300	3.58		50	0.7		95					14	26								semi rigid	
RG-402/U	3.58	42831	50			96								40						semi rigid	
K 02252 D	3	18/45		0.69	2.4	97								101	151	257				Huber&Suhner	
RD 316	2.9		50											115						PTFE, single shield	
RG 174 AU	2.8	15/30	50	0.66	1.2	101	9.6	11.8	17	22	31	38	70				-	-	-		
50-2-1	2.8		50	0.66		100	10				33	40	70							from GDR, corresponds to RG714	
CLF100	2.79		50	0.66	3.5	101			12.9	16.7		29.2	51	92	125	210	-	-	-		
LMR100A	2.79	6,4/25,4	50	0.66	1.4	101	7.4	8.7	12.4	16.7	23.7	28.6	50.9	91.1	125	210	-	-	-		
WBC-100	2.79	6.4	50	0.66	2	101			12.9	16.7		29.4	51.9	90	123						
ECONOFLEX 089	2.7	13	50	0.695	1.6	96.5	9.8							33	62	157	262	466			
LN5002 LowNoise	2,67	15 (1x)	50	0.7	1,5	94						135	300	550	-	-	-	-			
HF50-0,54L/1,6	2,6	15/60	50	0,69	1,6	100				18,8	27,4	33	61	126	-	-	-	-		PTFE cable, double shielded	
RG 188 AU	2.6	15/39	50	0.69	1.7	97			17	20.5	28	32	58								
RG 316-U12	2.6	20/-	50	0.69		94							74	179	290	630	-	-	-	PTFE cable, double shielded, Huber&Suhner	
RG 174 U	2.55	15/40	50	0.66	1.1	101			17	20.5	29	34	60							=Belden 8216	
KX 3B	2.54			0.659	1	100	11						61								
SUCOFORM 86 FEP	2.5	6/20	50	0.71	1.8	95	6	7	10	14	20	25	43	70	110	170	239	339	404	semi rigid	
G 02232 D	2.5	15/30	50	0.66	2.1	101								99	150	257	-	-	-	Huber&Suhner	
KX 22A	2.49		50	69.5	1.7	95	10						55								
RG 316 U	2,49	15/75	50	0.69	1.6	97			17				33	54	98	140					
RG 316	2,49	15/??	50	0.7	1.81	94	8.2	10	17	19.2	27	33	55	96	132					Kusch	
TU-165	2.19		50	0.7		95						25	42		110					semi rigid	
MULTIFLEX 86	2.65	6/20	50	0.706	2.1	95								112	193	256	356	421		Huber&Suhner	
RG-405/U	2.2	3,2	50	0.695	1.9	105							43	75	120	190				semi rigid, similar to SUCOFORM 86	
SUCOFORM 86	2.1	6/20	50	0.71		95	6	7	10	14	20	25	43	70	110	170	239	339	404	semi rigid	
LN5001 LowNoise	2,0	10 (1x)	50	0,70	3,5	105							150	300	550	-	-	-	-		
RG 196 AU	1.83	10/27	50	0.69	0.9	97			27	32	43	52	96							up to 205°C	
RG 178 BU	1.81	10/27	50	0.69	1.1	97			22	30	42	60	90								
KX 21	1.8		50	0.695	1	105	16,5						96							Source: Coaxtherm	
URM110	1.8		50		1	92															
Kapton 311-KAP50S-RAD	1.45		50			120														high temperature rated (300 deg C)	
PK19						115						23.6			160					from Russia	
PK119						115						23.6			160					from Russia	
PKTØ 19						105						23.6			160					from Russia	
PK55						110						19.4			136					from Russia	
PK159						110						19.4			136					from Russia	
PKTØ 29						106						19.4			136					from Russia	
PK29						110									112					from Russia	
PK129						110									112					from Russia	
PK28						115									100					from Russia	

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Coaxialcable Type	Diameter /mm	Bending radius (stat/dyn) /mm	Impedance /Ohm	Velocity factor v/c	Weight per 100m /kg	Capacitance per m /pF	10 MHz	14 MHz	28 MHz	50 MHz	100 MHz	144 MHz	435 MHz	1296 MHz	2320 MHz	5800 MHz	10000 MHz	18000 MHz	24000 MHz	Comment	
PK128						115									100						from Russia
PKTØ 47						106						11.8			88						from Russia
PK147						115						13.2			100						from Russia
PK47						115						13.2			100						from Russia
PK48						115						9			60						from Russia
PK148						115						9			60						from Russia
PKTØ 48						106						9.7			72						from Russia
			60 Ohm																		
60-10-1			60	0.66		85	1.9				5.5	7	12.5								from GDR
60-10-2			60	0.66		85	1.7				4.9	6	11.5								from GDR
60-7-1	8.8		60	0.66		85	2.5				8	10	17								from GDR
60-7-2	8.8		60	0.66		85	2.1		4	5	7	8.8	15.7								from GDR
4-S 60	7	60	60	0.77	5.9	75			4	5	7	9	17.2								
2YCY1	6.8		60	0.66					4				66								
3-S 60	6		60	0.66																	
3 V 60	6	40	60	0.66	4.9	85				10		21.7	38								
			70 Ohm																		
URM39	7.85		70		8.5	75															
			75 Ohm																		
RG 35	24		75	0.66		67	0.78				2.8			16							
RG 164	22.1		75	0.66		67	1		1.5		3.3		7.9	15							= UR77
RG 34	16		75	0.66		67	1		2.7		4.3		13	21							
RG 12	12.5		75	0.66					4.6				18								
RG412	12		75	0.87		50	0.7			2.1	3	3.6	6.5	11							
RG 216	10.8		75	0.66					4				18								
RG 11 A/U	10.3	50	75	0.66	14.4	67	2.3	2.6	4	5.5	7.5	9.2	17.2	30							
URM57	10.3		75		15.8	67															
URM65	10.3		75		15.3	67															
75110-af	10		75																		
PRG 11 CU Foam	9.8	100	75	0.85	9.1	52	1.2			2.5	3.7		8	14.8	24						
H-43	9.8		75	0.85						2.5			8								
RG 6 AU	8.4		75	0.66		66	2.55		4.9		9.5		22	39							
URM54	8.3		75		10	67															
CX 5 S	6.8	35	75	0.8	4	55				5.1		12		24							
SAT 90	6.8	35	75	0.8	5.5	55					6.3		13	23.7							
WF100	6.55	80	75	0.81	4.7	55	1.8			4.6	6.5	7.9	15	24	32.9						webro
RG 50	6.2		75			69						11.6	30								
RG 59	6.15	30	75	0.66	5.7	67	2.8	4	5.6	7.8	11.5	14	25	33.6							=UR90
URM90	6		75		5.2	67															
URM70	5.8		75		4.8	67															
URM106	5.25		75		6.4	63															
KTR 141-75	4.1	8	75	0.7	4.8	65							26	44	70	120	175	262			semi rigid
HSR-141-75	3.58	12.5	75	0.7		63.5							25	43	65	100	145	210	240		semi rigid
RG 187 AU	2.65	15/40	75	0.69	1.6	63			18	17	24	28	52								up to 205°C
RG 179 B/U	2.54	15/38	75	0.69	1.6	63	10.2		15	17	24	28	52	95							
URM111	2.45		75		1.8	63															
621-100	1.6		75	0.8									13								
			93 Ohm																		
RG 62 A/U	6.2	37	93	0.83	6.5	42	6	6.5	8	9.6	12	14	21								faber

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Coaxialcable Type	Dia- meter /mm	Bending radius (stat/dyn) /mm	Impe- dance /Ohm	Velocity factor v/c	Weight per 100m /kg	Capa- citan- ce per m /pF	Attenuation /dB per 100m cable length												Comment						
							10 MHz	14 MHz	28 MHz	50 MHz	100 MHz	144 MHz	435 MHz	1296 MHz	2320 MHz	5800 MHz	10000 MHz	18000 MHz		24000 MHz					
RG 71 B/U	6.2	37	93	0.83	5.2	42.5	4.5	5.5	7	10	13	15	33											faber	
RG 195	3.8		95	0.7					14				57												
RG 180	3.7		95	0.7					14				57												
			100 Ohm																						
DRM68	6.75		100		6.2	52																			
			125 Ohm																						
RG 63	10.3		125	0.85		34.5			3.5				6.9	13.5											
URM64	10.3		125		13	32																			
AMC-62 Modified 125 Ohm	6.15	31	125	0.88	4.6	32.2				8.2	12.3														Commscope
			35 Ohm																						
RG 83 U	10.3		35	0.66		144	2.6					9.1				33									

I apologize for any errors in the table above! Please send your comments, corrections and additions to Matthias DD1US Email: dd1us@amsat.org Website: www.dd1us.de