CABLE PART NUMBER	M17/93-RG178	RGE178	RD178	DB178	SW060	M17/113-RG316	RGE316	RD316	RDE316	M17/196-0001	M17/187-0001	SF-316	DB316	M17/183-0001	LMR100	BPE100	SI316	SW086	T-Flex405HF	SM405	M17/133-RG405	SW110	M17/60-142	RGE142	HP120s	RH110	M17/111-RG303	RG+142	SW150	SF142
Generic Cable Type	RG-178B	RG-178B	Double Shield			RG316	RG316	Double Shield	Double Shield	RG-174	RG-122	Low Loss		RG-58					SR Replacement	SR Replacement	RG-405		RG-142	RG-142			RG-303			Low Loss
CONSTRUCTION																														
Center Conductor	Stranded	Stranded	Stranded	Stranded	Solid	Stranded	Stranded	Stranded	Stranded	Stranded	Stranded	Stranded	Stranded	Stranded	Solid	Solid	Stranded	Solid	Solid	Stranded	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Size, Nom (in)	.012	.012	.012	.012	.012	.020	.020	.020	.020	.019	.031	.021	.020	.036	.018	.018	.020	.020	.020	.020	.020	.025	.037	.037	.025	.025	.036	.043	.036	.037
Material	SPCCS	SPCCS	SPCCS	SPC	SPC	SPCCS	SPCCS	SPCCS	SPCCS	CCS	TPC	SPCCS	SPC	TPC	CCS	CCS	SPC	SPC	SPC	SPC	SPCCS	SPC	SPCCS	SPCCS	SPC	SPC	SPCCS	CCA	SPC	SPCCS
Dielectric	Solid	Solid	Solid	Solid	Low Density	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Cellular	Micro-Cell	Solid	Low Density	Solid	Solid	Solid	Low Density	Solid	Solid	Low Density	Low Density	Solid	Low Density	Low Density	Solid
Size, Nom (in)	.033	.033	.033	.033	.033	.060	.060	.060	.060	.060	.096	.059	.060	.116	.060	.060	.060	.059	.064	.060	.064	.074	.116	.116	.074	.076	.116	.117	.108	.117
Material	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PE	PE	PTFE	PTFE	PE	PE	PE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
Outer Conductor																														
First Shield	Round Braid	Round Braid	Round Braid	Flat Braid	Flat Braid	Round Braid	Round Braid	Round Braid	Round Braid	Round Braid	Round Braid	Flat Braid	Flat Braid	Round Braid	Foil	Foil	Flat Braid	Flat Braid	Helical Braid	Helical Braid	Tube	Flat Braid	Round Braid	Round Braid	Flat Braid	Helical Braid	Round Braid	Foil	Flat Braid	Flat Braid
Size, Nom (in)	.052	.052	.052	.049	.039	.079	.079	.079	.079	.079	.119	.070	.066	.139	.065	.065	.066	.065	.074	.066	.087	.080	.139	.139	.080	.082	.139	.120	.120	.128
Material	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	TC	TPC	SPC	SPC	TPC	Aluminum	Aluminum	SPC	SPC	SPC	SPC	BC	SPC	SPC	SPC	SPC	SPC	SPC	Aluminum	SPC	SPC
Interlayer												Foil					Foil								Foil					Foil
Size, Nom (in)												.075					.075								.088					.133
Material												Composite					Metalized								Metalized					Composite
Second Shield			Round Braid	Round Braid	Round Braid			Round Braid	Round Braid			Round Braid	Round Braid		Round Braid	Round Braid	Round Braid	Round Braid	Round Braid	Round Braid		Round Braid	Round Braid	Round Braid	Round Braid	Round Braid		Round Braid	Round Braid	Round Braid
Size, Nom (in)			.071	.065	.049			.098	.098			.093	.082		.083	.086	.091	.083	.085	.083		.096	.162	.162	.104	.094		.152	.136	.195
Material			SPC	SPC	SPC			SPC	SPC			SPC	SPC		TPC	TPC	SPC	SPC	SPC	SPC		SPC	SPC	SPC	SPC	SPC		Aluminum	SPC	SPC
Jacket																														
Size, Nom (in)	.071	.071	.092	.080	.060	.098	.098	.110	.110	.110	.160	.110	.097	.195	.110	.105	.110	.090	.104	.100		.118	.195	.195	.124	.112	.170	.172	.153	.156
Material	FEP	FEP	FEP	FEP	FEP	FEP	FEP	FEP	FEP	CLP	CLP	FEP	FEP	CLP	PE	PE	FEP	FEP	FEP	FEP		FEP	FEP	FEP	FEP	FEP	FEP	FEP	FEP	FEP
MECHANICAL CHARACTERISTICS																														
Max Operating Temp (°C)	125	125	125	125	200	125	125	125	125	85	85	200	125	85	85	85	125	200	125	125	125	200	125	125	200	200	125	125	200	200
Min Inside Bend Radius (in)	.40	.40	.45	.04	.275	.50	.50	.50	.50	.50	.80	.50	.50	1.00	.25	.25	.50	.4	.50	.15	.13	.5	1.00	1.00	.6	.60	.90	1.25	.8	1.00
Weight (lbs/ft)	.006	.006	.008	.010	.010	.012	.012	.012	.012	.009	.023	.014	.020	.030	.015	.015	.020	.015	.023	.015	.015	.020	.045	.045	.02	.025	.031	.015	.040	.045
ELECTRICAL CHARACTERISTICS																														
Impedance, Nom. (ohms)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Breakdown Voltage (kv)	.8	.8	.8	1	1	.9	.9	.9	.9	1.1	1.4	1.2	2	1.4			2	3	1.5	2	1.5	5	1.4	1.4	5	5	1.4	5	7	1.9
Maximum Frequency (GHz)	3	3	3	12	129	3	3	3	3	1	1	1	12	1	6	6	18	71		18	20	55	12	12	55	55	3	6	40	
Velocity of Propagation	70%	70%	70%	70%	72%	70%	70%	70%	70%	66%	66%	70%	70%	66%	65%	65%	70%	74%	70%	70%	70%	76%	70%	70%	75.5%	75.5%	70%	83%	76%	70%
Shielding Effectiveness (dB)	40	40	60	85	85	40	40	40	40	40	40	90	85	40	90	90	90	85	100	100	100	85	60	60	90	100	40	85	85	90
ATTENUATION (dB/100ft)																														
Frequency (GHz) at 25° C																														
.10	16.28	16.28	16.28	13.03	12.17	10.98	10.98	10.56	10.56				7.70		7.81	7.27	7.21	7.22		6.40		5.17	4.22	4.22	4.87	4.63		3.97	3.97	
.40	33.08	33.08	33.08	26.33	24.41	21.68	21.68	20.94	20.94		15.00	17.20	15.65	13.40	17.04	14.88	14.67	14.56	13.70	13.04	13.00	10.45	9.64	9.64	9.86	9.37	8.30	8.23	8.01	7.70
.90	50.08	50.08	50.08	39.92	36.73	32.28	32.28	31.27	31.27				23.83		27.70	22.84	22.38	22.03		19.92		15.86	15.64	15.64	14.97	14.22		12.77	12.12	
1.0	52.85	52.85	52.85	42.15	38.73	33.99	33.99	32.94	32.94	31.10	27.90	26.40	25.18	24.70	29.56	24.17	23.65	23.25	23.00	21.06	19.50	16.75	16.66	16.66	15.81	15.02	13.90	13.53	12.79	12.40
2.0	75.34	75.34	75.34	60.43	54.99	47.77	47.77	46.41	46.41			37.80	36.31		45.99	35.19	34.18	33.25	33.00	30.49	27.30	24.03	25.19	25.19	22.70	21.57	20.00	19.96	18.29	18.00
3.0	92.71	92.71	92.71	74.78	67.54	58.29	58.29	56.70	56.70				45.13		60.26	44.06	42.55	41.07		38.01		29.76	32.08	32.08	28.13	26.73		25.22	22.60	
5.0				98.12	87.60			72.99	72.99			65.60	59.62		85.84	58.84	56.34	53.73	51.50	50.44	47.50	39.09	43.50	43.50	36.98	35.14		34.14	29.56	30.60
6.0				108.22	96.15			79.88	79.88				65.94		97.77	65.37	62.37	59.19		55.88		43.13	48.50	48.50	40.82	38.78		38.13	32.56	
10.0				142.86	124.94							95.90	87.83				83.34	77.83	76.00	74.87	70.40	57.02			54.03	51.33			42.82	45.40
12.0				157.96	137.24								97.47				92.60	85.92		83.28		63.09			59.80	56.82			47.27	
14.0					148.61							117.00					101.31	93.46	91.40	91.21	86.00	68.76			65.21	61.95			51.41	56.90
18.0					169.27							137.00					117.54	107.31	106.00	106.00	98.00	79.23			75.19	71.44			59.03	65.50
24.0					196.61													125.94				93.40			88.72	84.30			69.28	
30.0					220.96													142.80				106.31			101.06	96.03			78.55	
40.0					257.06													168.27				125.95			119.86	113.89			92.56	
50.0					289.30													191.45				143.95			137.12	130.29				
k1				40.750	38.375								23.980			22.425	22.400	22.621		19.850		16.151			15.220	14.459		12.125	12.446	
k2				1.400	.359								1.200			1.740	1.250	.630		1.210		.595			.590	.561		1.405	.346	
POWER HANDLING (KW)																														
Frequency (GHz) at 25° C, sea level																														
.45	.12	.12	.12			.22	.22	.22	.22	.03	.06	.24		.09	.06	.06							1.10	1.10			1.10	2.20		1.00
.50				.09									.12				.12	.73		.18		.89							1.45	
1.0	.07	.07	.07	.06		.14	.14	.14	.14	.02	.04	.15	.08	.05			.08	.52		.13		.63	.65	.65			.63	1.50	1.02	.56
2.0	.05	.05	.05	.05		.09	.09	.09	.09			.10	.07		.03	.03	.07	.36		.09		.43	.42	.42			.44	1.00	.70	.37
6.0				.03									.05				.05	.20		.05		.24						.60	.38	
10.0												.04																		.16
12.0				.02									.04				.04	.13		.04		.16							.25	
14.0												.04																		.13
18.0												.03					.02	.11		.03		.13							.19	.11

RG Equivalent Series

SM Series

BPE Series

LA Series

HP Series

RG Upgrade Series

RG+ Series

SW Series

RH Series

KW Series

Notes:

BC - Bare Copper
CCS - Copper Clad Steel
CCA - Copper Clad Aluminum
SPCCS - Silver Plates Copper Clad Steel
SPC - Silver Plated Copper
TC - Tinned Copper
PE - Polyethylene
CLP - Cross Linked Polyolefin