

Cable Number	RG-178B/U	RG-188A/U	RG-316/U	RG-179B/U	RG-174A/U	NA(RG316DS)
M17 Number	M17/93-RG178	M17/138-00001	M17/113-RG316	M17/94-RG179	M17/119-RG174	M17/152-00001
DIMENSIONS(mm)						
Center Conductor	0.30	0.51	0.51	0.30	0.48	0.51
Dielectric	0.84	1.52	1.52	1.60	1.52	1.52
Outer Conductor	1.37	2.06	2.06	2.13	2.24	2.44
Jacket	1.80	2.49	2.49	2.54	2.79	2.90
MATERIAL						
Center Conductor	Silver-Coated Annealed Copper-Covered Steel	Silver-Coated Annealed Copper-Covered Steel	Silver-Coated Annealed Copper-Covered Steel	Silver-Coated Copper-Covered Steel	Copper-Covered Steel	Silver-Coated Annealed Copper-Covered Steel
Dielectric	PTFE Type F-1	PTFE Type F-1	PTFE Type F-1	PTFE Type F-1	PE Type A-1	PE Type F-1
Outer Conductor	Silver-Coated Copper Wire	Silver-Coated Copper Wire	Silver-Coated Copper Wire	Silver-Coated Copper Wire	Tinned Copper Wire	Silver-Coated Copper Wire
Jacket	FEP Type IX	PFA	FEP Type IX	FEP Type IX		FEP Type IX
CABLE CONSTRUCTION					7 Strands of 0.0063	
Center Conductor	7 Strands of 0.0040	7 Strands of 0.0067	7 Strands of 0.0067	7 Strands of 0.0004	Solid	7 Strands of 0.0067
Dielectric	Solid	Solid	Solid	Solid	Single-Braid of	Solid
Outer Conductor	Single-Braid of AWG 38	Single-Braid of AWG 38	Single-Braid of AWG 38	Single-Braid of AWG 38	AWG 38	Double-Braid of AWG 38
WEIGHT(Max. Kg/100 m)						
	0.92	1.8	1.8	1.59		2.73
TEMPERATURE RATINGS					-40 to +85	
(Min. to Max., °C)	-55 to +200	-55 to +200	-55 to +200	-55 to +200	1.0	-55 to +200
FREQUENCY (Max. GHz)						
	3.0	3.0	3.0	1.0		3.0
ATTENUATION (dB/100 ft)					17.5	
Frequency(MHz) 400	27.5	21	20	16.0	31	20
1000	45	38	30	24.0	-	30
3000	78	58	58	-	-	58
5000	-	-	-	-	-	-
10000	-	-	-	-	-	-
POWER HANDLING (Watts)					25	
Frequency(MHz) 400	123	220	240	420	16	240
1000	78	130	160	260	-	160
3000	41	78	80	-	-	80
5000	-	-	-	-	-	-
10000	-	-	-	-	-	-
VSWR (Max)					1.22	
Frequency(MHz) 500	1.2	1.16	1.15	1.16	1.24	1.1
1000	1.25	1.2	1.2	1.2	-	1.15
3000	1.5	1.33	1.33	-	-	1.22
10000	-	-	-	-	-	1.38
VOLTAGE RATING (Volts RMS)						
Continuous Working Voltage (Max)	750	900	900	900	110	900
Voltage Withstanding (+10%-0%)	2000	2000	2000	2000	2000	2000
Corona Extinction Voltage (Min)	1200	1200	1200	1200	1500	1200
CHARACTERISTIC						
Impedance(Ohms)	50	50	50	75	50	50
MINIMUM INSIDE BEND						
(Radius, In.)	-	-	-	-	-	-
VELOCITY OF PROPAGATION						
(Nom., %)	69.5	69.5	69.5	69.5	66	69.5
SHIELDING EFFICENCY, dB/ft						
	40	40	40	40	40	60

Cable Number	RG-58C/U	RG-142B/U	RG-400/U	RG-223/U	RG-214/U	SS-405
M17 Number	M17/28-RG58	M17/60-142	M17/128-RG400	M17/84-RG223	M17/164-RG0001	M17/133-RG405
DIMENSIONS(mm)						
Center Conductor	0.90	0.94	0.98	0.90	2.25	0.51
Dielectric	2.95	2.95	2.95	2.95	7.25	1.62
Outer Conductor	3.81	4.34	4.34	4.47	8.0	2.18
Jacket	4.95	4.95	4.95	5.38	10.8	2.64
MATERIAL						
Center Conductor	Tinned Copper Wire	Silver-Coated Annealed Copper-Covered Steel	Silver-Coated Copper Wire	Silver-Coated Copper Wire	Silver-Coated Copper Wire	Silver-Coated Copper Covered Steel
Dielectric	PE Type A-1	PTFE Type F-1	PTFE Type F-1	PE Type A-1	PE Type	PTEE Type F-1
Outer Conductor	Tinned Copper Wire	Silver-Coated Copper Wire	Silver Copper Wire	Copper Wire	Silver-Coated Copper Wire	Silver-Coated Copper & Copper Strip
Jacket	PVC Type IIA	FEP Type IX	FEP Type IX	PVC Type IIA	PVC	FEP
CABLE CONSTRUCTION						
	190 Strands of					
Center Conductor	0.0077	Solid	19 Strands of 0.0077	Solid	Solid	Solid
Dielectric	Solid	Solid	Solid	Solid	Solid	Solid
Outer Conductor	Single-Braid of AWG 36	Double-Braid of AWG 36	Double-Braid of AWG 36	Double-Braid of AWG 36	Double-Braid of AWG 18	Helical Wrap/Braid
WEIGHT(Max. Kg/100 m)	3.83	6.35	7.38	6.05	18.5	2.21
TEMPERATURE RATINGS						
(Min. to Max., °C)	-40 to +85	-55 to +200	-55 to +200	-40 to +85	-40 to +85	-65 to +125
FREQUENCY (Max. GHz)	1.0	5.0	5.0	5.0	3	18
ATTENUATION (dB/100 ft)						
Frequency(MHz) 400	11	8	8	8.8	4.57	14
1000	20	13	13	16.5	8.23	23
3000	-	26	26	36	17.4	39
5000	-	36	36	51	-	52
10000	-	-	-	-	-	80
POWER HANDLING (Watts)						
Frequency(MHz) 400	75	1100	1100	90	720	310
1000	44	650	650	53	400	190
3000	-	350	350	28	190	110
5000	-	245	245	20	-	80
10000	-	-	-	-	-	50
VSWR (Max)						
Frequency(MHz) 500	1.12	1.15	1.14	1.12	1.12	1.15
1000	1.14	1.17	1.17	1.15	1.15	1.15
3000	-	1.33	1.33	1.19	1.19	1.25
10000	-	-	-	-	1.22	1.25
VOLTAGE RATING (Volts RMS)						
Continuous Working Voltage (Max)	1400	1400	1400	1400	3700	1500
Voltage Withstanding (+10%-0%)	5000	5000	3000	5000	-	-
Corona Extinction Voltage (Min)	1900	1900	1900	1900	-	-
CHARACTERISTIC						
Impedance(Ohms)	50	50	50	50	50	50
MINIMUM INSIDE BEND						
(Radius, In.)	-	-	-	-	-	0.5
VELOCITY OF PROPAGATION						
(Nom., %)	66	69.5	69.5	66	66	70
SHIELDING EFFICENCY, dB/ft	60	60	60	60	60	>100

Cable Number	SS402	047TP	RG-405/U	085 TP	RG-402/U	141 TP
M17 Number	M17/130-RG402	M17/151-00001	M17/133-RG405	M17/133-00001	M17/130-RG402	M17/130-00001
DIMENSIONS(mm)						
Center Conductor	0.93	0.29	0.51	0.51	0.92	0.92
Dielectric	2.97	0.94	1.68	1.68	2.98	2.98
Outer Conductor	3.58	1.19	2.20	2.20	3.58	3.58
Jacket	4.14	None	None	None	None	None
MATERIAL						
Center Conductor	Silver-Coated Copper Clad Steel	Silver-Coated Copper Clad Steel	Silver-Coated Copper Clad Steel	Silver-Coated Copper Clad Steel	Silver-Coated Copper Clad Steel	Silver-Coated Copper Clad Steel
Dielectric	PTFE Type F-1	PTFE Type F-1	PTFE Type F-1	PTFE Type F-1	PTFE Type F-1	PTFE Type F-1
Outer Conductor	Silver-Coated Copper & Copper Strip	Tin Plated Copper -Tube	Copper Tin Composite Shield	Tin Plated Copper -Tube	Copper Tin Composite Shield	Tin Plated Copper -Tube
Jacket	FEP	None	None	None	None	None
CABLE CONSTRUCTION						
Center Conductor	Solid	Solid	Solid	Solid	Solid	Solid
Dielectric	Solid	Solid	Solid	Solid	Solid	Solid
Outer Conductor	Helical Wrap/Braid	Solid	Wrap & Tin Braid	Solid	Wrap & Tin Braid	Solid
WEIGHT(Max. Kg/100 m)						
	5.3	0.57	1.8	2.0	4.5	4.67
TEMPERATURE RATINGS						
(Min. to Max., °C)	-65to +200	-40 to +150	-40 to +200	-40 to +125	-40 to +200	-40 to +125
FREQUENCY (Max. GHz)						
	18	20	20	20	20	20
ATTENUATION (dB/100 ft)						
Frequency(MHz) 400	7.2	23	13.5	13	7.1	7.8
1000	13	34.2	22	22	12	11.3
3000	22	55	37	35	21	21
5000	30	78.8	52	50	29	28
10000	45	113.8	80	80	45	42
POWER HANDLING (Watts)						
Frequency(MHz) 400	720	69	220	220	483	483
1000	440	47.7	130	130	336	336
3000	260	30.5	74	74	200	200
5000	170	20.7	54	54	94.6	94.6
10000	110	9.9	35	35	62.7	62.7
VSWR (Max)						
Frequency(MHz) 500	1.15	1.08	1.08	1.08	1.07	1.07
1000	1.15	1.17	1.09	1.09	1.08	1.08
3000	1.25	1.19	1.13	1.12	1.12	1.12
10000	1.25	1.29	1.22	1.22	1.17	1.17
VOLTAGE RATING (Volts RMS)						
Continuous Working Voltage (Max)	1900	1000	1500	1500	1900	1900
Voltage Withstanding (+10%-0%)	-	2000	5000	5000	5000	5000
Corona Extinction Voltage (Min)	-	1000	1500	1500	1900	1900
CHARACTERISTIC						
Impedance(Ohms)	50	50	50	50	50	50
MINIMUM INSIDE BEND						
(Radius, In.)	0.8	0.05	-	0.05	-	0.075
VELOCITY OF PROPAGATION						
(Nom., %)	70	69.5	69.5	69.5	69.5	69.5
SHIELDING EFFICENCY, dB/ft						
	>100	>100	>100	>100	>100	>100

Cable Number	141ALTP	250TP	LMR200	LMR400	LMR600
M17 Number	M17/130-00009	M17/129-00001	NA	NA	NA
DIMENSIONS(mm)					
Center Conductor	0.92	1.63	1.12	2.77	4.47
Dielectric	2.98	5.31	2.95	7.24	11.56
Outer Conductor	3.58	6.35	3.66	8.13	12.45
Jacket	None	None	4.95	10.29	14.99
MATERIAL					
Center Conductor	Silver-Coated Copper-Clad Steel	Silver-Coated Copper Wire	Bare Copper	Copper-Clad Aluminum	Copper-Clad Aluminum
Dielectric	PTFE Type F-1	PTFE Type F-1	Foam Poly	Foam Poly	Foam Poly
Outer Conductor	Tin Plated Aluminum Tube	Tin Plated Copper Tube	Bonded Tape w/Tin Copper Over-braid	Bonded Tape w/Tin Copper Over-braid	Bonded Tape w/Tin Copper Over-braid
Jacket	None	None	UV Protected Poly	UV Protected Poly	UV Protected Poly
CABLE CONSTRUCTION					
Center Conductor	Solid	Solid	Solid	Solid	Solid
Dielectric	Solid	Solid	Closed Cell Foam Tape Braid	Closed Cell Foam Tape Braid	Closed Cell Foam Tape Braid
Outer Conductor	Solid	Solid	Composite	Composite	Composite
WEIGHT(Max. Kg/100 m)	3.02	14.7	3	10	20
TEMPERATURE RATINGS					
(Min. to Max., °C)	-40 to +125	-40 to +100	-40 to +85	-40 to +85	-40 to +85
FREQUENCY (Max. GHz)	20	10	5.8	5.8	5.8
ATTENUATION (dB/100 ft)					
Frequency(MHz) 400	7.8	4.6	7.0	2.6	1.6
1000	11.3	6.8	10.5	4.2	2.7
3000	21	13.0	18.0	7.0	4.7
5000	27.7	17.4	25	1.0	7.0
10000	41.5	27.0	-	-	-
POWER HANDLING (Watts)					
Frequency(MHz) 400	483	1329	280	920	1350
1000	336	912	170	570	930
3000	200	820	100	350	500
5000	94.6	363	75	230	3500
10000	62.7	27	-	-	-
VSWR (Max)					
Frequency(MHz) 500	-	-	-	-	-
1000	-	-	-	-	-
3000	-	-	-	-	-
10000	-	-	-	-	-
VOLTAGE RATING (Volts RMS)					
Continuous Working Voltage (Max)	1900	-	300	750	1200
Voltage Withstanding (+10%-0%)	5000	4000	-	-	-
Corona Extinction Voltage (Min)	1900	1400	-	-	-
CHARACTERISTIC					
Impedance(Ohms)	50	50	50	50	50
MINIMUM INSIDE BEND					
(Radius, In.)	0.075	0.375	0.5	1.0	1.5
VELOCITY OF PROPAGATION					
(Nom., %)	69.5	69.5	83	85	87
SHIELDING EFFICENCY, dB/ft	>100	>100	90	90	90

Cable Number	1/4" SFL	HFSC12D(1/2"SFL)	HFC12D(1/2"FL)	HFC22D(7/8"FL)	HFC33D(11/4"FL)	HFC42D(15/8"FL)
M17 Number	NA	NA	NA	NA	NA	NA
DIMENSIONS(mm)						
Center Conductor	1.9	3.6	4.6	9	13.1	17.5
Dielectric						
Outer Conductor	6.4	12.3	14	24.9	36	46.3
Jacket	7.4	13.7	16	28	39	50
MATERIAL						
Center Conductor	AlCu	AlCu	AlCu	Cu	Cu	Cu
Dielectric	High foam PE	High foam PE	High foam PE	High foam PE	High foam PE	High foam PE
Outer Conductor	Copper	Copper	Copper	Copper	Copper	Copper
Jacket	PE	PE	PE	PE	PE	PE
CABLE CONSTRUCTION						
Center Conductor	Solid	Solid	Solid	Solid	Solid	Solid
Dielectric	Closed Cell Foam	Closed Cell Foam	Closed Cell Foam	Closed Cell Foam	Closed Cell Foam	Closed Cell Foam
Outer Conductor	Solid	Solid	Solid	Solid	Solid	Solid
WEIGHT(Max. Kg/100 m)						
	6.6	20.6	22.1	48.7	73.8	110.7
TEMPERATURE RATINGS						
(Min. to Max., °C)	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
FREQUENCY (Max. GHz)						
	20	10	8	5	3	2.5
ATTENUATION (dB/100 ft)						
Frequency(MHz) 400	3.67	2.17	1.36	0.758	0.58	0.437
1000	5.96	3.6	2.22	1.25	0.976	0.742
3000	10.9	6.84	4.09	2.37	1.89	-
5000	14.5	9.35	5.49	3.23	-	-
10000	21.7	14.6	-	-	-	-
POWER HANDLING (Watts)						
Frequency(MHz) 400	630	1380	1700	3630	4880	7670
1000	372	889	1040	2190	2990	4520
3000	204	469	565	1160	1500	-
5000	153	343	421	853	-	-
10000	102	220	-	-	-	-
VSWR (Max)						
Frequency(MHz) 500	-	-	-	-	-	-
1000	-	-	-	-	-	-
3000	-	-	-	-	-	-
10000	-	-	-	-	-	-
VOLTAGE RATING (Volts RMS)						
Continuous Working Voltage (Max)	-	-	-	-	-	-
Voltage Withstanding (+10%-0%)	1600	2500	4000	6000	8500	10500
Corona Extinction Voltage (Min)						
CHARACTERISTIC						
Impedance(Ohms)	50	50	50	50	50	50
MINIMUM INSIDE BEND						
(Radius, In.)	1	1.25	5	10	15	20
VELOCITY OF PROPAGATION						
(Nom., %)	84	81	88	89	88	88
SHIELDING EFFICENCY, dB/ft						
	>100	>100	>100	>100	>100	>100