



# M17/MIL-C-17 Coaxial Cable Database



M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/2-RG6	2	6	17-663-83	AA-3810	CCS 0.0285 (0.724)	PE 0.185 (4.70)	34SC:34BC 0.243 (6.17)	PVC-IIA 0.332 (8.43)	NA	0.082 (0.122)	75 +/- 3	66	20.6 (67.6)	3,000	-40 +185 (-40 +85)	3 GHz UnSwept	0.256	0.00126	Inactive For New Design Use: M17/180-00001
M17/6-RG11	6	11	17-100-79	AA-3811	TC 7/.0159" 0.0477 (1.21)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.098 (0.146)	75 +/- 3	66	20.6 (67.6)	5,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.175	0.00126	Use: M17/181-00001 with LS/LT Jacket
M17/6-RG12	6	12	17-100-79	AA-3812	TC 7/.0159" 0.0477 (1.21)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	Alum.Braid 0.463 (11.76)	0.144 (0.214)	75 +/- 3	66	20.6 (67.6)	5,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.175	0.00126	Use: M17/181-00002 with LS/LT Jacket
M17/15-RG22	15	22	17-793-77	AA-3395	2:BC 7/.0152" 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.343 (8.71)	PVC-IIA 0.420 (10.67)	NA	0.134 (0.200)	95 +/- 5	66	16.0 (52.5)	1,000	-40 +185 (-40 +85)	200 MHz UnSwept	0.214	0.00126	Use: M17/182-00001 with LS/LT Jacket
M17/15-RG111	15	111	17-793-77	AA-3396	2:BC 7/.0152" 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.343 (8.71)	PVC-IIA 0.420 (10.67)	Alum.Braid 0.478 (12.14)	0.161 (0.240)	95 +/- 5	66	16.0 (52.5)	1,000	-40 +185 (-40 +85)	200 MHz UnSwept	0.214	0.00126	Use: M17/182-00002 with LS/LT Jacket
M17/16-RG23	16	23	No QPL'd Source	AA-5160	2:BC 7/.0285" 0.0855 (2.17)	PE: 2 Cores 0.380 (9.65)	34BC:34BC .438x.847 (11.1x21.5)	PVC-IIA .650x.945 (16.5x24.0)	NA	0.530 (0.789)	125 +/- 5	66	12.0 (39.4)	7,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.122	0.00126	Inactive For New Design CUB=5% TUB=12%
M17/16-RG24	16	24	No QPL'd Source	AA-5161	2:BC 7/.0285" 0.0855 (2.17)	PE: 2 Cores 0.380 (9.65)	34BC:34BC .438x.847 (11.1x21.5)	PVC-IIA .650x.945 (16.5x24.0)	Alum.Braid .708x1.003 (18.0x25.5)	0.730 (1.087)	125 +/- 5	66	12.0 (39.4)	7,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.122	0.00126	Inactive For New Design CUB=5% TUB=12%
M17/19-RG25	19	25	No QPL'd Source	AA-5124	TC 19/.0117" 0.0585 (1.49)	Rubber-E 0.288 (7.32)	34TC:34TC 0.382 (9.70)	Rubber-IV 0.505 (12.83)	NA	0.225 (0.335)	48 +/- 4	42	50.0 (164.1)	10,000	-67 +194 (-55 +90)	1 MHz UnSwept	NA	NA	Triaxial Pulse Cable
M17/21-RG26	21	26	No QPL'd Source	AA-5125	TC 19/.0117" 0.0585 (1.49)	Rubber-E 0.288 (7.32)	34TC 0.317 (8.05)	Rubber-IV 0.425 (10.80)	Alum.Braid 0.505 (12.83)	0.210 (0.313)	48 +/- 4	42	50.0 (164.1)	10,000	-40 +185 (-40 +85)	1 MHz UnSwept	NA	NA	Coaxial Pulse Cable Armored
M17/22-RG27	22	27	No QPL'd Source	AA-5163	TC 19/.0185" 0.0925 (2.35)	Rubber-D 0.455 (11.56)	34TC 0.484 (12.29)	Rubber-IV 0.595 (15.11)	Alum.Braid 0.670 (17.02)	0.330 (0.492)	48 +/- 4	42	50.0 (164.1)	15,000	-40 +185 (-40 +85)	1 MHz UnSwept	NA	NA	Coaxial Pulse Cable Armored
M17/22-00001	22	00001	No QPL'd Source	AA-5162	TC 19/.0185" 0.0925 (2.35)	Rubber-D 0.455 (11.56)	34TC 0.484 (12.29)	Rubber-IV 0.595 (15.11)	NA	0.330 (0.492)	48 +/- 4	42	50.0 (164.1)	15,000	-40 +185 (-40 +85)	1 MHz UnSwept	NA	NA	Coaxial Pulse Cable
M17/23-RG28	23	28	No QPL'd Source	AA-5164	TC 19/.0185" 0.0925 (2.35)	Rubber-D 0.455 (11.56)	34TC:30GS 0.559 (14.20)	Rubber-IV 0.735 (18.67)	NA	0.400 (0.596)	48 +/- 4	42	50.0 (164.1)	15,000	-40 +185 (-40 +85)	1 MHz UnSwept	NA	NA	Triaxial Pulse Cable
M17/24-RG34	24	34	No QPL'd Source	AA-3813	TC 7/.0249" 0.0747 (1.90)	PE 0.460 (11.68)	33BC 0.493 (12.52)	PVC-IIA 0.630 (16.00)	NA	0.231 (0.344)	75 +/- 3	66	22.0 (72.2)	6,500	-40 +185 (-40 +85)	1 GHz UnSwept	0.107	0.00126	
M17/28-RG58	28	58	17-304-83	AA-3397	TC 19/.0072" 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.139 (3.53)	PVC-IIA 0.195 (4.95)	NA	0.026 (0.039)	50 +/- 2	66	30.8 (101.1)	1,900	-40 +185 (-40 +85)	.05 to 1 Ghz Swept	0.413	0.00126	Use: M17/183-00001 with LS/LT Jacket
M17/29-RG59	29	59	17-102-79	AA-3797	CCS 0.0226 (0.57)	PE 0.146 (3.71)	34BC 0.175 (4.45)	PVC-IIA 0.242 (6.15)	NA	0.035 (0.052)	75 +/- 3	66	20.6 (67.6)	2,300	-40 +185 (-40 +85)	1 GHz UnSwept	0.320	0.00126	Use: M17/184-00001 with LS/LT Jacket
M17/30-RG62	30	62	17-795-77	AA-3398	CCS 0.0253 (0.64)	Airspaced PE 0.146 (3.71)	34BC 0.175 (4.45)	PVC-IIA 0.242 (6.15)	NA	0.038 (0.057)	93 +/- 5	81	13.5 (44.3)	1,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.277	0.00074	Use: M17/185-00001 with LS/LT Jacket
M17/31-RG63	31	63	17-103-79	AA-3815	CCS 0.0253 (0.64)	Airspaced PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.088 (0.131)	125 +/- 5	81	10.0 (32.8)	1,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.183	0.00075	Use: M17/218-00001 with LS/LT Jacket
M17/31-RG79	31	79	17-103-79	AA-3816	CCS 0.0253 (0.64)	Airspaced PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	Alum.Braid 0.475 (12.07)	0.088 (0.131)	125 +/- 5	81	10.0 (32.8)	1,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.183	0.00075	Use: M17/218-00001 with LS/LT Jacket
M17/33-RG64	33	64	No QPL'd Source	AA-5126	TC 19/.0117" 0.0585 (1.49)	Rubber-E 0.288 (7.32)	34TC:34TC 0.346 (8.79)	Rubber-IV 0.460 (11.68)	NA	0.220 (0.328)	48 +/- 4	42	55.0 (180.5)	10,000	-40 +185 (-40 +85)	1 MHz UnSwept	NA	NA	Coaxial Pulse Cable



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																	k1	k2	
M17/34-RG65	34	65	No QPL'd Source	AA-5165	.008" MW Helix 0.1280 (3.25)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.110 (0.164)	950 +/- 50	2	48.0 (157.5)	1,500	-40 +176 (-40 +80)	5 MHz UnSwept	NA	NA	Coaxial Delay Line 0.15 uSec/foot
M17/45-RG108	45	108	17-796-77	AA-3399	2:TC 7/.0126" 0.0378 (0.96)	PE (2cores) 0.079 (2.01)	36TC 0.181 (4.60)	PVC-IIA 0.235 (5.97)	NA	0.035 (0.052)	78 +/- 7	66	19.6 (64.3)	1,000	-40 +185 (-40 +85)	10 MHz UnSwept	0.325	0.00126	Use: M17/186-00001 with LS/LT Jacket Balanced Shielded Line
M17/47-RG114	47	114	Non-QPL'd	AA-3817	CCS 0.007 (0.18)	Airspaced PE 0.285 (7.24)	34BC 0.314 (7.98)	PVC-IIA 0.405 (10.29)	NA	0.089 (0.133)	185 +/- 10	85	6.5 (21.3)	1,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.342	0.00066	Use: M17/208-00001 with LS/LT Jacket
M17/52-RG119	52	119	17-749-85	AA-3818	BC 0.1019 (2.59)	PTFE 0.332 (8.43)	33BC:34BC 0.394 (10.01)	FG Braid-V 0.465 (11.81)	NA	0.228 (0.340)	50 +/- 2	69.5	29.4 (96.5)	6,000	-67 +392 (-55 +200)	.05 to 1 Ghz Swept	0.131	0.0012	High Power Coax
M17/52-RG120	52	120	17-749-85	AA-3819	BC 0.1019 (2.59)	PTFE 0.332 (8.43)	33BC:34BC 0.394 (10.01)	FG Braid-V 0.465 (11.81)	Alum.Braid 0.525 (13.34)	0.286 (0.426)	50 +/- 2	69.5	29.4 (96.5)	6,000	-67 +392 (-55 +200)	.05 to 1 Ghz Swept	0.131	0.0012	Armored M17/52-RG119
M17/52-00001	52	00001	No QPL'd Source		BC 0.1019 (2.59)	PTFE 0.332 (8.43)	33SC:33SC 0.394 (10.01)	FG Braid-V 0.465 (11.81)	NA	0.228 (0.340)	50 +/- 2	69.5	29.4 (96.5)	6,000	-67 +392 (-55 +200)	.05 to 3 Ghz Swept	0.131	0.0012	High Frequency M17/52-RG119
M17/54-RG122	54	122	17-305-83	AA-3400	TC 27/.005" 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.119 (3.02)	PVC-IIA 0.160 (4.06)	NA	0.021 (0.031)	50 +/- 2	66	30.8 (101.1)	1,900	-40 +185 (-40 +85)	.05 to 1 Ghz Swept	0.498	0.00126	Use: M17/187-00001 with LS/LT Jacket
M17/56-RG130	56	130	No QPL'd Source	AA-5166	2:BC 7/.0285" 0.0855 (2.17)	PE 0.472 (11.99)	30TC 0.518 (13.16)	PVC-IIA 0.625 (15.88)	NA	0.300 (0.447)	95 +/- 5	66	16.3 (53.5)	3,000	-40 +185 (-40 +85)	200 MHz UnSwept	0.114	0.00126	Balanced Shielded Line
M17/56-RG131	56	131	No QPL'd Source	AA-5167	2:BC 7/.0285" 0.0855 (2.17)	PE 0.472 (11.99)	30TC 0.518 (13.16)	PVC-IIA 0.625 (15.88)	Alum.Braid 0.710 (18.03)	0.400 (0.596)	95 +/- 5	66	16.3 (53.5)	3,000	-40 +185 (-40 +85)	200 MHz UnSwept	0.114	0.00126	Armored M17/56-RG130 Shielded Line
M17/60-RG142	60	142	17-664-83	AA-3401	SCCS 0.037 (0.94)	PTFE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	FEP-IX 0.195 (4.95)	NA	0.043 (0.064)	50 +/- 2	69.5	29.4 (96.5)	1,900	-67 +392 (-55 +200)	.05 to 8 Ghz Swept	0.368	0.0012	50 ohm Low Loss High Temperature Coax
M17/62-RG144	62	144	17-750-85	AA-3820	SCCS 7/.0175" 0.0525 (1.33)	PTFE 0.285 (7.24)	34SC 0.314 (7.98)	FG Braid-V 0.410 (10.41)	NA	0.140 (0.209)	75 +/- 3	69.5	19.5 (64.0)	5,000	-67 +392 (-55 +200)	3 GHz UnSwept	0.157	0.0012	75 ohm Low Loss High Temperature Coax
M17/64-RG35	64	35	No QPL'd Source	AA-3822	BC 0.1045 (2.65)	PE 0.680 (17.27)	30BC 0.726 (18.44)	PVC-IIA 0.870 (22.10)	Alum.Braid 0.945 (24.00)	0.545 (0.812)	75 +/- 3	66	20.6 (67.6)	10,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.071	0.00126	Armored M17/64-RG164
M17/64-RG164	64	164	No QPL'd Source	AA-3821	BC 0.1045 (2.65)	PE 0.680 (17.27)	30BC 0.726 (18.44)	PVC-IIA 0.870 (22.10)	NA	0.505 (0.752)	75 +/- 3	66	20.6 (67.6)	10,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.071	0.00126	
M17/65-RG165	65	165	17-598-81	AA-3402	SC 7/.0315" 0.094 (2.39)	PTFE 0.285 (7.24)	34SC 0.314 (7.98)	FG Braid-V 0.410 (10.41)	NA	0.142 (0.212)	50 +/- 2	69.5	29.4 (96.5)	2,500	-67 +482 (-55 +250)	0.05 to 3 GHz Swept	0.154	0.0012	
M17/65-RG166	65	166	17-598-81	AA-3403	SC 7/.0315" 0.094 (2.39)	PTFE 0.285 (7.24)	34SC 0.314 (7.98)	FG Braid-V 0.410 (10.41)	Alum.Braid 0.470 (11.94)	0.189 (0.282)	50 +/- 2	69.5	29.4 (96.5)	2,500	-67 +482 (-55 +250)	0.05 to 3 GHz Swept	0.154	0.0012	Armored M17/65-RG165
M17/67-RG177	67	177	17-1102-85	AA-3404	BC 0.195 (4.95)	PE 0.680 (17.27)	34SC:34SC 0.738 (18.75)	PVC-IIA 0.895 (22.73)	NA	0.520 (0.775)	50 +/- 2	66	30.8 (101.1)	11,000	-40 +185 (-40 +85)	0.05 to 5.6 GHz Swept	0.067	0.00126	
M17/72-RG211	72	211	No QPL'd Source	AA-3405	BC 0.192 (4.88)	PTFE 0.620 (15.75)	32BC 0.657 (16.69)	FG Braid-V 0.730 (18.54)	NA	0.516 (0.769)	50 +/- 2	69.5	29.4 (96.5)	7,000	-67 +482 (-55 +250)	0.05 to 1 GHz Swept	0.071	0.0012	
M17/73-RG212	73	212	17-1104-85	AA-3406	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.243 (6.17)	PVC-IIA 0.332 (8.43)	NA	0.089 (0.133)	50 +/- 2	66	30.8 (101.1)	3,000	-40 +185 (-40 +85)	0.05 to 11 GHz Swept	0.241	0.00126	
M17/74-RG213	74	213	17-804-77	AA-3408	BC 7/.0296" 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.111 (0.165)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +185 (-40 +85)	0.05 to 1 GHz Swept	0.162	0.00126	



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																	k1	k2	
M1774-RG215	74	215	17-804-77	AA-3407	BC 7/.0296* 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	Alum.Braid 0.475 (12.07)	0.138 (0.206)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +185 (-40 +85)	0.05 to 1 GHz Swept	0.162	0.00126	Armored M1774-RG213
M1775-RG214	75	214	17-804-77	AA-3409	SC 7/.0296* 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	PVC-IIA 0.425 (10.80)	NA	0.130 (0.194)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +185 (-40 +85)	0.05 to 11 GHz Swept	0.161	0.00126	
M1775-RG365	75	365	17-984-85	AA-4761	SC 7/.0296* 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	TPE 0.425 (10.80)	NA	0.130 (0.194)	50 +/- 2	66	30.8 (101.1)	5,000	-67 +185 (-55 +85)	0.05 to 11 GHz Swept	0.161	0.00126	
M1777-RG216	77	216	17-108-79	AA-3823	TC 7/.0159* 0.0477 (1.21)	PE 0.285 (7.24)	34BC:34BC 0.343 (8.71)	PVC-IIA 0.425 (10.80)	NA	0.124 (0.185)	75 +/- 3	66	20.6 (67.6)	5,000	-40 +185 (-40 +85)	3 GHz UnSwept	0.171	0.00126	
M1778-RG217	78	217	17-1102-85	AA-3410	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.466 (11.84)	PVC-IIA 0.545 (13.84)	NA	0.225 (0.335)	50 +/- 2	66	30.8 (101.1)	7,000	-40 +185 (-40 +85)	.05 to 3 Ghz Swept	0.123	0.00126	
M1778-00001	78	00001	17-1102-85	AA-8212	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.466 (11.84)	XLPE 0.545 (13.84)	NA	0.225 (0.335)	50 +/- 2	66	30.8 (101.1)	7,000	-40 +176 (-40 +80)	.05 to 3 Ghz Swept	0.123	0.00126	Temperature cycled
M1779-RG218	79	218	17-1102-85	AA-3411	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.726 (18.44)	PVC-IIA 0.870 (22.10)	NA	0.510 (0.760)	50 +/- 2	66	30.8 (101.1)	11,000	-40 +185 (-40 +85)	.05 to 1 Ghz Swept	0.067	0.00126	
M1779-RG219	79	219	17-1102-85	AA-3412	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.726 (18.44)	PVC-IIA 0.870 (22.10)	Alum.Braid 0.945 (24.00)	0.550 (0.819)	50 +/- 2	66	30.8 (101.1)	11,000	-40 +185 (-40 +85)	.05 to 1 Ghz Swept	0.067	0.00126	Armored M1779-RG218
M1781-00001	81	00001	17-354-88	AA-6002	BC 0.260 (6.60)	PE 0.910 (23.11)	30BC 0.956 (24.28)	PVC-IIA 1.120 (28.45)	NA	0.820 (1.221)	50 +/- 2	66	30.8 (101.1)	14,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.050	0.00126	
M1781-00002	81	00002	17-354-88	AA-6003	BC 0.260 (6.60)	PE 0.910 (23.11)	30BC 0.956 (24.28)	PVC-IIA 1.120 (28.45)	Alum.Braid 1.195 (30.35)	0.880 (1.311)	50 +/- 2	66	30.8 (101.1)	14,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.050	0.00126	Armored M1781-00001
M1784-RG223	84	223	17-303-83	AA-3413	SC 0.035 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	PVC-IIA 0.212 (5.38)	NA	0.041 (0.061)	50 +/- 2	66	30.8 (101.1)	1,900	-40 +185 (-40 +85)	.04 to 12.4Ghz Swept	0.380	0.00126	
M1786-00001	86	00001	17-598-81	AA-5077	SC 7/.0312* 0.0936 (2.38)	PTFE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	FG Braid-V 0.430 (10.92)	NA	0.195 (0.290)	50 +/- 2	69.5	29.4 (96.5)	5,000	-67 +392 (-55 +200)	400 MHz UnSwept	0.172	0.0012	
M1786-00002	86	00002	17-598-81	AA-5078	SC 7/.0312* 0.0936 (2.38)	PTFE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	FG Braid-V 0.430 (10.92)	Alum.Braid 0.490 (12.45)	0.195 (0.290)	50 +/- 2	69.5	29.4 (96.5)	5,000	-67 +392 (-55 +200)	400 MHz UnSwept	0.172	0.0012	Armored M1786-00001
M1787-00001	87	00001	17-355-88	AA-5168	SC 19/.0254* 0.127 (3.23)	Taped PTFE 0.370 (9.40)	34SC:34SC 0.428 (10.87)	FG Braid-V 0.500 (12.70)	NA	0.448 (0.667)	50 +/- 2	71	29.0 (95.1)	7,000	-67 +392 (-55 +200)	400 MHz UnSwept	0.124	0.0012	
M1790-RG71	90	71	17-260-83	AA-4444	CCS 0.0253 (0.64)	Air-space PE 0.146 (3.71)	34BC:36TC 0.198 (5.03)	PE-IIIA 0.245 (6.22)	NA	0.050 (0.074)	93 +/- 5	81	13.5 (44.3)	1,000	-67 +185 (-55 +85)	1GHz UnSwept	0.258	0.00069	
M1792-RG115	92	115	17-598-81	AA-3824	SC 7/.0280* 0.084 (2.13)	Taped PTFE 0.255 (6.48)	34SC:34SC 0.313 (7.95)	FG Braid-V 0.415 (10.54)	NA	0.185 (0.276)	50 +/- 2	71	29.4 (96.5)	5,000	-67 +392 (-55 +200)	.05 to 12.4GHz Swept	0.172	0.0012	
M1792-00001	92	00001	17-598-81	AA-5308	SC 7/.0280* 0.084 (2.13)	Taped PTFE 0.255 (6.48)	34SC:34SC 0.313 (7.95)	FEP-IX 0.344 (8.74)	NA	0.185 (0.276)	50 +/- 2	71	29.0 (95.1)	5,000	-67 +392 (-55 +200)	.05 to 12.4GHz Swept	0.172	0.0012	
M1793-RG178	93	178	17-666-83	AA-3414	SCCS 7/.0040* 0.012 (0.30)	PTFE 0.033 (0.84)	38SC 0.051 (1.30)	FEP-IX 0.071 (1.80)	NA	0.006 (0.009)	50 +/- 2	69.5	29.4 (96.5)	1,000	-67 +392 (-55 +200)	.05 to 3GHz Swept	1.215	0.0012	
M1793-00001	93	00001	17-667-84	AA-4762	SCCS 7/.0040* 0.012 (0.30)	PTFE 0.033 (0.84)	38SC 0.051 (1.30)	PFA-XIII 0.071 (1.80)	NA	0.006 (0.009)	50 +/- 2	69.5	29.4 (96.5)	1,000	-67 +446 (-55 +230)	.05 to 3GHz Swept	1.215	0.0012	



# M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/94-RG179	94	179	17-809-77	AA-3415	SCCS 7/.0040" 0.012 (0.30)	PTFE 0.063 (1.60)	38SC 0.081 (2.06)	FEP-IX 0.100 (2.54)	NA	0.010 (0.015)	75 +/- 3	69.5	19.5 (64.0)	1,200	-67 +392 (-55 +200)	3 GHz UnSwept	0.685	0.0012	
M17/95-RG180	95	180	17-810-77	AA-3416	SCCS 7/.0040" 0.012 (0.30)	PTFE 0.102 (2.59)	38SC 0.120 (3.05)	FEP-IX 0.141 (3.58)	NA	0.0198 (0.029)	95 +/-5	69.5	15.4 (50.5)	1,500	-67 +392 (-55 +200)	3 GHz UnSwept	0.499	0.0012	
M17/97-RG210	97	210	17-668-83	AA-4763	SCCS 0.0253 (0.64)	Air-space PE 0.146 (3.71)	34SC 0.175 (4.45)	FG Braid-V 0.141 (6.15)	NA	0.050 (0.074)	93 +/- 5	85	13.5 (44.3)	1,000	-67 +392 (-55 +200)	3 GHz UnSwept	0.253	0.00098	
M17/100-RG133	100	133		No QPL'd Source	BC 0.0253 (0.64)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.095 (0.142)	95 +/- 5	66	16.3 (53.5)	5,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.205	0.00126	
M17/109-RG301	109	301		No QPL'd Source	HR 7/.0203" 0.0609 (1.55)	PTFE 0.185 (4.70)	36HR 0.208 (5.28)	FEP-IX 0.245 (6.22)	NA	0.056 (0.083)	50 +/- 2	69.5	29.4 (96.5)	3,000	-67 +392 (-55 +200)	3 GHz UnSwept	0.335	0.0012	
M17/110-RG302	110	302	17-425-84	AA-3826	SCCS 0.0253 (0.64)	PTFE 0.146 (3.71)	36SC 0.169 (4.29)	FEP-IX 0.202 (5.13)	NA	0.040 (0.060)	75 +/- 3	69.5	19.5 (64.0)	2,300	-67 +392 (-55 +200)	3 GHz UnSwept	0.297	0.0012	
M17/111-RG303	111	303	17-811-77	AA-3417	SCCS 0.0370 (0.94)	PTFE 0.116 (2.95)	36SC 0.139 (3.53)	FEP-IX 0.170 (4.32)	NA	0.031 (0.046)	50 +/- 2	69.5	29.4 (96.5)	1,900	-67 +392 (-55 +200)	0.05 to 3 GHz Swept	0.364	0.0012	
M17/112-RG304	112	304	17-474-86	AA-5130	BC 0.0590 (1.50)	PTFE 0.185 (4.70)	34SC:34SC 0.243 (6.17)	FEP-IX 0.280 (7.11)	NA	0.094 (0.140)	50 +/- 2	69.5	29.4 (96.5)	3,000	-67 +392 (-55 +200)	0.05 to 8 GHz Swept	0.231	0.0012	
M17/113-RG316	113	316	17-812-77	AA-3418	SCCS 7/.0067" 0.0201 (0.51)	PTFE 0.060 (1.52)	38SC 0.078 (1.98)	FEP-IX 0.098 (2.49)	NA	0.012 (0.018)	50 +/- 2	69.5	29.4 (96.5)	1,200	-67 +392 (-55 +200)	0.05 to 3 GHz Swept	0.698	0.0012	
M17/116-RG307	116	307	17-482-84	AA-4346	SC 19/.0058" 0.0290 (0.74)	Foam PE 0.146 (3.71)	34SC-PUR-34SC 0.234 (5.94)	PE-III A 0.265 (6.73)	NA	0.080 (0.119)	75 +/- 3	81	16.9 (55.4)	1,000	-67 +185 (-55 +80)	1 GHz UnSwept	0.260	0.00126	
M17/119-RG174	119	174	17-813-77	AA-3419	CCS 7/.0063" 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.078 (1.98)	PVC-IIA 0.110 (2.79)	NA	0.009 (0.013)	50 +/- 2	66	30.8 (101.1)	1,500	-40 +185 (-40 +85)	0.05 to 1 GHz Swept	0.746	0.00126	
M17/124-RG328	124	328		No QPL'd Source	TC Braid 0.4850 (12.32)	Rubber H, J, H 1.065 (27.05)	30TC:33GS:30TC 1.251 (31.78)	Neoprene 1.460 (37.08)	NA	1.600 (2.383)	25 +/- 2	48	85.0 (278.9)	15,000	-50 +185 (-10 +85)	3 GHz UnSwept	NA	NA	
M17/125-RG329	125	329		No QPL'd Source	TC 19/.0117" 0.0585 (1.49)	Rubber H, J, H 0.380 (9.65)	30TC:33GS:30TC 0.571 (14.50)	Neoprene 0.700 (17.78)	NA	0.353 (0.526)	50 +/- 2	43	50.0 (164.1)	15,000	-50 +194 (-10 +90)	1 GHz UnSwept	NA	NA	
M17/126-RG391	126	391	17-670-83	AA-4464	TC 7/.0159" 0.0477 (1.21)	Cond. PE & PE 0.295 (7.49)	34TC 0.324 (8.23)	PVC-IIA 0.405 (10.29)	NA	0.100 (0.149)	72 +/-3	64	23.0 (75.5)	5,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.186	0.00136	
M17/126-RG392	126	392	17-670-83	AA-4465	TC 7/.0159" 0.0477 (1.21)	Cond. PE & PE 0.295 (7.49)	34TC 0.324 (8.23)	PVC-IIA 0.405 (10.29)	Alum.Braid 0.475 (12.07)	0.125 (0.186)	72 +/-3	64	23.0 (75.5)	5,000	-40 +185 (-40 +85)	1 GHz UnSwept	0.186	0.00136	Armored M17/126-RG391
M17/127-RG393	127	393	17-429-84	AA-3420	SC 7/.0312" 0.094 (2.39)	PTFE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	FEP-IX 0.390 (9.91)	NA	0.175 (0.261)	50 +/-2	69.5	29.4 (96.5)	2,500	-67 +392 (-55 +200)	.05 to 11 GHz Swept	0.154	0.0012	
M17/128-RG400	128	400	17-671-83	AA-3827	SC 19/.0080" 0.0384 (0.98)	PTFE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	FEP-IX 0.195 (4.95)	NA	0.050 (0.074)	50 +/-2	69.5	29.4 (96.5)	1,900	-67 +392 (-55 +200)	.05 to 12.4 GHz Swept	0.380	0.0012	
M17/129-RG401	129	401	17-197-85	AA-5011	SC 0.0641 (1.63)	PTFE 0.209 (5.31)	BC Tube 0.250 (6.35)	None	NA	0.105 (0.156)	50 +/-0.5	69.5	29.4 (96.5)	3,000	-40 +194 (-40 +90)	0.4 to 18 GHz Swept	0.178	0.0012	
M17/129-00001	129	00001	17-197-85	AA-5012	SC 0.0641 (1.63)	PTFE 0.209 (5.31)	TC Tube 0.250 (6.35)	None	NA	0.106 (0.158)	50 +/-0.5	69.5	29.4 (96.5)	3,000	-40 +194 (-40 +90)	0.4 to 18 GHz Swept	0.178	0.0012	Tin Plated M17/129-RG401



# M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/130-RG402	130	402	17-197-85	AA-5013	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50 +/-1	69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	
M17/130-00001	130	00001	17-197-85	AA-5014	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50 +/-1	69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	Tin Plated M17/130-RG402
M17/130-00002	130	00002	17-197-85	AA-5015	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50 +/-1	69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	
M17/130-00003	130	00003	17-197-85	AA-5016	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50 +/-1	69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	Tin Plated M17/130-00002
M17/130-00004	130	00004	17-297-90	AA-5916	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50 +/-1	69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	
M17/130-00005	130	00005	17-297-90	AA-5917	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50 +/-1	69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	Tin Plated M17/130-00004
M17/130-00006	130	00006	17-297-90	AA-5918	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50 +/-1	69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	
M17/130-00007	130	00007	17-297-90	AA-5919	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50 +/- 1	69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	Tin Plated M17/130-00006
M17/130-00008	130	00008	Non-QPL'd		SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	AL Tube 0.141 (3.58)	None	NA	0.0188 (0.028)	50 +/- 1	69.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.336	0.0012	
M17/130-00009	130	00009	Non-QPL'd		SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	Tinned AL Tube 0.141 (3.58)	None	NA	0.0205 (0.031)	50 +/- 1	69.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.336	0.0012	Tin Plated M17/130-00008
M17/130-00010	130	00010	No QPL'd Source		SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	AL Tube 0.141 (3.58)	None	NA	0.0188 (0.028)	50 +/- 1	69.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.336	0.0012	
M17/130-00011	130	00011	No QPL'd Source		SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	Tinned AL Tube 0.141 (3.58)	None	NA	0.0205 (0.031)	50 +/- 1	69.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.336	0.0012	Tin Plated M17/130-00010
M17/130-00012	130	00012	No QPL'd Source		SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	SC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50 +/- 1	69.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	Silver Plated M17/130-00004
M17/130-00013	130	00013	No QPL'd Source		SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	SC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50 +/- 1	69.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.317	0.0012	Silver Plated M17/130-00006
M17/131-RG403	131	403	17-244-90	AA-6511	SCCS 7/.004 0.0120 (0.30)	PTFE 0.033 (0.84)	38SC-FEP-38SC 0.088 (2.24)	FEP-IX 0.116 (2.95)	NA	0.015 (0.022)	50 +/- 2	69.5	29.4 (96.5)	1,000	-67 +392 (-55 +200)	0.05 to 10 GHz Swept	1.215	0.0012	Triaxial
M17/132-00001	132	00001	17-245-90	AA-6512	SCCS 7/.004 0.0120 (0.30)	PTFE & CPTFE 0.036 (0.91)	38SC 0.054 (1.37)	FEP-IX 0.071 (1.80)	NA	0.018 (0.027)	50 +/- 2	68	30.4 (99.7)	1,000	-40 +392 (-40 +200)	1 GHz UnSwept	1.215	0.0012	
M17/133-RG405	133	405	17-197-85	AA-5017	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.0865 (2.20)	None	NA	0.0153 (0.023)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	
M17/133-00001	133	00001	17-197-85	AA-5018	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.0865 (2.20)	None	NA	0.0158 (0.024)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	Tinplated M17/133-RG405
M17/133-00002	133	00002	17-298-90	AA-5019	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.0865 (2.20)	None	NA	0.0152 (0.023)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	



# M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/133-00003	133	00003	17-298-90	AA-5020	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.0865 (2.20)	None	NA	0.0157 (0.023)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	Tinplated M17/133-00002
M17/133-00004	133	00004	17-298-90	AA-5021	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.0865 (2.20)	None	NA	0.0154 (0.023)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	
M17/133-00005	133	00005	17-298-90	AA-5022	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.0865 (2.20)	None	NA	0.0159 (0.024)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	Tinplated M17/133-00004
M17/133-00006	133	00006	17-298-90	AA-5920	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.0865 (2.20)	None	NA	0.0153 (0.023)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	
M17/133-00007	133	00007	17-298-90	AA-5921	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.0865 (2.20)	None	NA	0.0158 (0.024)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	Tinplated M17/133-00006
M17/133-00008	133	00008	17-298-90	AA-5922	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.0865 (2.20)	None	NA	0.0152 (0.023)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	
M17/133-00009	133	00009	17-298-90	AA-5923	SC 0.0201 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.0865 (2.20)	None	NA	0.0157 (0.023)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	Tinplated M17/133-00008
M17/133-00010	133	00010	17-298-90	AA-5924	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	BC Tube 0.0865 (2.20)	None	NA	0.0154 (0.023)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	
M17/133-00011	133	00011	17-298-90	AA-5925	SNCCS 0.0202 (0.51)	PTFE 0.066 (1.68)	TC Tube 0.0865 (2.20)	None	NA	0.0159 (0.024)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	Tinplated M17/133-00008
M17/133-00012	133	00012	Non-QPL'd		SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	AL Tube 0.0865 (2.20)	None	NA	0.0075 (0.011)	50 +/- 1.5	69.5	29.9 (98.1)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.606	0.0012	
M17/133-00013	133	00013	Non-QPL'd		SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	Tinned AL Tube 0.0865 (2.20)	None	NA	0.008 (0.012)	50 +/- 1.5	69.5	29.9 (98.1)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.606	0.0012	Tinplated M17/133-00012
M17/133-00014	133	00014	No QPL'd Source		SNCCS 0.0201 (0.51)	PTFE 0.0660 (1.68)	AL Tube 0.0865 (2.20)	None	NA	0.0075 (0.011)	50 +/- 1.5	69.5	29.9 (98.1)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.606	0.0012	
M17/133-00015	133	00015	No QPL'd Source		SNCCS 0.0201 (0.51)	PTFE 0.0660 (1.68)	Tinned AL Tube 0.0865 (2.20)	None	NA	0.008 (0.012)	50 +/- 1.5	69.5	29.9 (98.1)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.606	0.0012	Tinplated M17/133-00014
M17/133-00016	133	00016	No QPL'd Source		SCCS 0.0201 (0.51)	PTFE 0.0660 (1.68)	SP BC Tube 0.0865 (2.20)	None	NA	0.0158 (0.024)	50 +/- 1.5	69.5	29.9 (98.1)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	Silver plated M17/133-00006
M17/133-00017	133	00017	No QPL'd Source		SNCCS 0.0201 (0.51)	PTFE 0.0660 (1.68)	SP BC Tube 0.0865 (2.20)	None	NA	0.0158 (0.024)	50 +/- 1.5	69.5	29.9 (98.1)	1,500	-40 +257 (-40 +125)	0.5 to 20 GHz Swept	0.565	0.0012	Silver plated M17/133-00010
M17/134-00001	134	00001	17-952-85	AA-5411	SC 0.0330 (0.84)	PE 0.1160 (2.95)	36SC-PE-36SC 0.198 (5.03)	PE-III A 0.245 (6.22)	NA	0.045 (0.067)	50 +/- 2	66	30.8 (101.1)	1,900	-40 +158 (-40 +70)	.050 to 3 GHz Swept	0.380	0.00126	Water blocked Triaxial
M17/134-00002	134	00002	17-952-85	AA-4472	SC 0.0330 (0.84)	PE 0.1160 (2.95)	36SC-PE-36SC 0.198 (5.03)	PE-III A 0.245 (6.22)	NA	0.045 (0.067)	50 +/- 2	66	30.8 (101.1)	1,900	-40 +158 (-40 +70)	.050 to 3 GHz Swept	0.380	0.00126	Non-Water blocked Triaxial M17/134-00001
M17/134-00003	134	00003	17-952-85	AA-7557	SC 0.0330 (0.84)	PE 0.1160 (2.95)	36SC-XLPE-36SC 0.198 (5.03)	XLPE 0.245 (6.22)	NA	0.050 (0.074)	50 +/- 2	66	32.2 (105.6)	1,900	-22 +185 (-30 +85)	.050 to 3 GHz Swept	0.380	0.00126	Water blocked Triaxial Non Halogen, Low Smoke M17/134-00001
M17/134-00004	134	00004	17-952-85	AA-7558	SC 0.0330 (0.84)	PE 0.1160 (2.95)	36SC-XLPE-36SC 0.198 (5.03)	XLPE 0.245 (6.22)	NA	0.050 (0.074)	50 +/- 2	66	32.2 (105.6)	1,900	-22 +185 (-30 +85)	.050 to 3 GHz Swept	0.380	0.00126	Non-Water blocked Non Halogen, Low Smoke M17/134-00002



# M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/135-00001	135	00001	17-201-88	AA-3833	SC 7/.0296 0.0880 (2.24)	PE 0.2850 (7.24)	33SC-PE-33SC 0.398 (10.11)	PUR 0.500 (12.70)	NA	0.160 (0.238)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +158 (-40 +70)	.050 to 3 GHz Swept	0.161	0.00126	Water blocked Triaxial
M17/135-00002	135	00002	17-202-88	AA-4473	SC 7/.0296 0.0880 (2.24)	PE 0.2850 (7.24)	33SC-PE-33SC 0.398 (10.11)	PUR 0.500 (12.70)	NA	0.160 (0.238)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +158 (-40 +70)	.050 to 3 GHz Swept	0.161	0.00126	Non-Water blocked Triaxial M17/135-00001
M17/135-00003	135	00003	17-202-88	AA-5926	SC 0.0810 (2.06)	PE 0.2850 (7.24)	33SC-PE-33SC 0.398 (10.11)	PE-III A 0.500 (12.70)	NA	0.185 (0.276)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +158 (-40 +70)	.050 to 3 GHz Swept	0.161	0.00126	Water blocked Triaxial
M17/135-00004	135	00004	17-202-88	AA-5927	SC 0.0810 (2.06)	PE 0.2850 (7.24)	33SC-PE-33SC 0.398 (10.11)	PE-III A 0.500 (12.70)	NA	0.185 (0.276)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +158 (-40 +70)	.050 to 3 GHz Swept	0.161	0.00126	Non-Water blocked Triaxial M17/135-00003
M17/135-00005	135	00005	17-202-88	AA-7559	SC 0.0810 (2.06)	PE 0.2850 (7.24)	33SC-XLPE-33SC 0.398 (10.11)	XLPE 0.5 (12.70)	NA	0.185 (0.276)	50 +/- 2	66	32.0 (105.0)	5,000	-22 +185 (-30 +85)	.050 to 3 GHz Swept	0.161	0.00126	Water blocked Triaxial Non Halogen, Low Smoke M17/135-00003
M17/135-00006	135	00006	17-202-88	AA-7560	SC 0.0810 (2.06)	PE 0.2850 (7.24)	33SC-XLPE-33SC 0.398 (10.11)	XLPE 0.500 (12.70)	NA	0.185 (0.276)	50 +/- 2	66	32.0 (105.0)	5,000	-22 +185 (-30 +85)	.050 to 3 GHz Swept	0.161	0.00126	Non-Water blocked Non Halogen, Low Smoke M17/135-00003
M17/136-00001	136	00001	17-809-77	AA-3828	SCCS 7/.004 0.0120 (0.30)	PTFE 0.063 (1.60)	38SC 0.081 (2.06)	PFA-XIII 0.100 (2.54)	NA	0.012 (0.018)	75 +/- 3	69.5	19.5 (64.0)	1,200	-67 +446 (-55 +230)	3 GHz UnSwept	0.685	0.0012	
M17/137-00001	137	00001	17-810-77	AA-3829	SCCS 7/.004 0.0120 (0.30)	PTFE 0.102 (2.59)	38SC 0.120 (3.05)	PFA-XIII 0.141 (3.58)	NA	0.020 (0.030)	95 +/- 5	69.5	15.4 (50.5)	1,500	-67 +392 (-55 +200)	3 GHz UnSwept	0.499	0.0012	
M17/138-00001	138	00001	17-812-77	AA-3830	SCCS 7/.0067 0.0201 (0.51)	PTFE 0.060 (1.52)	38SC 0.078 (1.98)	PFA-XIII 0.098 (2.49)	NA	0.0122 (0.018)	50 +/- 1.5	69.5	29.4 (96.5)	1,500	-67 +392 (-55 +200)	0.50 to 3 GHz Swept	0.698	0.0012	
M17/139-00001	139	00001	17-359-84	AA-3829	SCBerC 7/.004 0.0120 (0.30)	PTFE 0.102 (2.59)	38SC CadBr 0.120 (3.05)	PFA-XIII 0.141 (3.58)	NA	0.0194 (0.029)	95 +/- 5	69.5	15.4 (50.5)	1,500	-67 +392 (-55 +200)	3 GHz UnSwept	0.499	0.0012	
M17/151-00001	151	00001	17-543-90	AA-5023	SCCS 0.0113 (0.29)	PTFE 0.037 (0.94)	BC Tube 0.047 (1.19)	None	NA	0.0450 (0.067)	50 +/- 2.5	69.5	29.4 (96.5)	1,000	-40 +212 (-40 +100)	0.5 to 20 GHz Swept	1.014	0.0012	
M17/151-00002	151	00002	17-543-90	AA-5024	SCCS 0.0113 (0.29)	PTFE 0.037 (0.94)	TC Tube 0.047 (1.19)	None	NA	0.0480 (0.071)	50 +/- 2.5	69.5	29.4 (96.5)	1,000	-40 +212 (-40 +100)	0.5 to 20 GHz Swept	1.014	0.0012	Tinplated M17/151-00001
M17/152-00001	152	00001	17-290-89	AA-4920	SCCS 7/.0067 0.0201 (0.51)	PTFE 0.060 (1.52)	38SC:38SC 0.096 (2.44)	FEP-IX 0.114 (2.90)	NA	0.0185 (0.028)	50 +/- 2	69.5	29.4 (96.5)	1,200	-67 +392 (-55 +200)	0.05 to 12.4 GHz Swept	0.698	0.0012	
M17/153-00001	153	00001	No QPL'd Source		SCCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38SC:38SC 0.096 (2.44)	PVC-II A 0.114 (2.90)	NA	0.0300 (0.045)	50 +/- 2	66	30.8 (101.1)	1,500	-40 +185 (-40 +85)	0.05 to 12.4 GHz Swept	0.746	0.00126	Canceled. Use M17/152-00001
M17/154-00001	154	00001	17-544-90	AA-5025	SCCS 0.0080 (0.20)	PTFE 0.026 (0.66)	BC Tube 0.034 (0.86)	None	NA	0.0260 (0.039)	50 +/- 3	69.5	29.4 (96.5)	750	-40 +212 (-40 +100)	0.5 to 20 GHz Swept	1.444	0.0012	
M17/154-00002	154	00002	17-544-90	AA-5026	SCCS 0.008 (0.20)	PTFE 0.026 (0.66)	TC Tube 0.034 (0.86)	None	NA	0.0280 (0.042)	50 +/- 3	69.5	29.4 (96.5)	750	-40 +212 (-40 +100)	0.5 to 20 GHz Swept	1.444	0.0012	Tinplated M17/154-00001
M17/155-00001	155	00001	17-304-83	AA-4636	TC 19/.0072 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.139 (3.53)	PVC-II A 0.195 (4.95)	NA	0.0260 (0.039)	50 +/- 2	66	30.8 (101.1)	1,900	-40 +185 (-40 +85)	400 MHz UnSwept	0.413	0.00126	Use below 400 MHz Unswep M17/28-RG58
M17/156-00001	156	00001	17-749-85	AA-5606	BC 0.1019 (2.59)	PTFE 0.332 (8.43)	32BC:32BC 0.394 (10.01)	FG Braid-V 0.465 (11.81)	NA	0.2400 (0.357)	50 +/- 2	69.5	29.4 (96.5)	6,000	-67 +392 (-55 +200)	400 MHz UnSwept	0.131	0.0012	Use below 400 MHz Unswep M17/52-RG119
M17/157-00001	157	00001	17-305-83	AA-4638	TC 27/.005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.119 (3.02)	PVC-II A 0.160 (4.06)	NA	0.0210 (0.031)	50 +/- 2	66	30.8 (101.1)	1,900	-40 +185 (-40 +85)	400 MHz UnSwept	0.498	0.00126	Use below 400 MHz Unswep M17/54-RG122



# M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/158-00001	158	00001	17-664-83	AA-4639	SCCS 0.0370 (0.94)	PTFE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	FEP-IX 0.195 (4.95)	NA	0.0560 (0.083)	50 +/-2	69.5	29.4 (96.5)	1,900	-67 +392 (-55 +200)	400 MHz UnSwept	0.368	0.0012	Use below 400 MHz Unswep M17/60-RG142
M17/159-00001	159	00001	17-598-81	AA-4640	SC 7/.0315 0.0940 (2.39)	PTFE 0.285 (7.24)	34SC 0.314 (7.98)	FG Braid-V 0.410 (10.41)	NA	0.2180 (0.325)	50 +/- 2	69.5	29.4 (96.5)	2,500	-67 +482 (-55 +250)	400 MHz UnSwept	0.154	0.0012	Use below 400 MHz Unswep M17/65-RG165
M17/160-00001	160	00001	17-1102-85	AA-4641	BC 0.1950 (4.95)	PE 0.680 (17.27)	34SC:34SC 0.738 (18.75)	PVC-IIA 0.895 (22.73)	NA	0.520 (0.775)	50 +/- 2	66	30.8 (101.1)	11,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.067	0.00126	Use below 400 MHz Unswep M17/67-RG177
M17/161-00001	161	00001	No QPL'd Source	AA-4642	BC 0.192 (4.88)	PTFE 0.620 (15.75)	32BC 0.657 (16.69)	FG Braid-V 0.730 (18.54)	NA	0.6500 (0.968)	50 +/-2	69.5	29.4 (96.5)	7,000	-67 +482 (-55 +250)	400 MHz UnSwept	0.071	0.0012	Use below 400 MHz Unswep M17/72-RG211
M17/161-00002	161	00002	No QPL'd Source	AA-5169	BC 0.192 (4.88)	PTFE 0.620 (15.75)	32BC 0.657 (16.69)	FG Braid-V 0.730 (18.54)	Alum. Braid 0.795 (20.19)	0.650 (0.968)	50 +/- 2	69.5	29.4 (96.5)	7,000	-67 +482 (-55 +250)	400 MHz UnSwept	0.071	0.0012	Armored M17/161-00001
M17/162-00001	162	00001	17-1104-85	AA-4653	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.243 (6.17)	PVC-IIA 0.332 (8.43)	NA	0.0890 (0.133)	50 +/- 2	66	30.8 (101.1)	3,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.241	0.00126	Use below 400 MHz Unswep M17/73-RG212
M17/163-00001	163	00001	17-804-77	AA-4643	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.1110 (0.165)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.162	0.00126	Use below 400 MHz Unswep M17/74-RG213
M17/164-00001	164	00001	17-804-77	AA-4645	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	PVC-IIA 0.425 (10.80)	NA	0.140 (0.209)	50 +/- 2	66	30.8 (101.1)	5,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.161	0.00126	Use below 400 MHz Unswep M17/75-RG214
M17/164-00002	164	00002	17-984-85	AA-4646	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	TPE 0.425 (10.80)	NA	0.140 (0.209)	50 +/- 2	66	30.8 (101.1)	5,000	-67 +185 (-55 +85)	400 MHz UnSwept	0.161	0.0126	Use below 400 MHz Unswep M17/75-RG365
M17/165-00001	165	00001	17-1102-85	AA-4647	BC 0.1060 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.446 (11.33)	PVC-IIA 0.545 (13.84)	Alum. Braid 0.615 (15.62)	0.225 (0.335)	50 +/- 2	66	30.8 (101.1)	7,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.123	0.00126	Use below 400 MHz Unswep M17/78-RG217 M17/134-00001
M17/165-00002	165	00002	17-1102-85	AA-6544	BC 0.1060 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.446 (11.33)	PVC-IIA 0.545 (13.84)	NA	0.225 (0.335)	50 +/- 2	66	30.8 (101.1)	7,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.123	0.00126	Armored M17/165-00001
M17/166-00001	166	00001	17-1102-85	AA-4648	BC 0.1950 (4.95)	PE 0.680 (17.27)	30BC 0.726 (18.44)	PVC-IIA 0.870 (22.10)	NA	0.510 (0.760)	50 +/- 2	66	30.8 (101.1)	11,000	-40 +185 (-40 +85)	400 MHz UnSwept	0.067	0.00126	Use below 400 MHz Unswep M17/79-RG218
M17/167-00001	167	00001	17-303-83	AA-4649	SC 0.0350 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	PVC-IIA 0.212 (5.38)	NA	0.041 (0.061)	50 +/- 2	66	30.8 (101.1)	1,900	-40 +185 (-40 +85)	400 MHz UnSwept	0.380	0.00126	Use below 400 MHz Unswep M17/84-RG223
M17/168-00001	168	00001	17-598-81	AA-4650	SC 7/.0280 0.0840 (2.13)	Taped PTFE 0.255 (6.48)	34SC:34SC 0.313 (7.95)	FG Braid-V 0.415 (10.54)	NA	0.185 (0.276)	50 +/- 2	66	29.0 (95.1)	5,000	-67 +392 (-55 +200)	400 MHz UnSwept	0.172	0.0012	Use below 400 MHz Unswep M17/92-RG115
M17/168-00002	168	00002	17-598-81	AA-6306	SC 7/.0280 0.0810 (2.06)	Taped PTFE 0.255 (6.48)	34SC:34SC 0.313 (7.95)	FEP-IX 0.344 (8.74)	NA	0.185 (0.276)	50 +/- 2	66	29.0 (95.1)	5,000	-67 +392 (-55 +200)	400 MHz UnSwept	0.172	0.0012	FEP Jacketed M17/92-RG115
M17/169-00001	169	00001	17-666-84	AA-4651	SCCS 7/.004 0.0120 (0.30)	PTFE 0.033 (0.84)	38SC 0.051 (1.30)	FEP-IX 0.071 (1.80)	NA	0.006 (0.009)	50 +/- 2	69.5	29.4 (96.5)	1,000	-67 +392 (-55 +200)	400 MHz UnSwept	1.215	0.0012	Use below 400 MHz Unswep M17/93-RG178
M17/170-00001	170	00001	17-811-77	AA-4652	SCCS 0.0370 (0.94)	PTFE 0.116 (2.95)	36SC 0.139 (3.53)	FEP-IX 0.170 (4.32)	NA	0.039 (0.058)	50 +/- 2	69.5	29.4 (96.5)	1,900	-67 +392 (-55 +200)	400 MHz UnSwept	0.364	0.0012	Use below 400 MHz Unswep M17/111-RG303
M17/171-00001	171	00001	17-474-86	AA-4653	SCCS 0.0590 (1.50)	PTFE 0.185 (4.70)	34SC:34SC 0.243 (6.17)	FEP-IX 0.280 (7.11)	NA	0.092 (0.138)	50 +/- 2	69.5	29.4 (96.5)	3,000	-67 +392 (-55 +200)	400 MHz UnSwept	0.231	0.0012	Use Below 400 MHz M17/112-RG304
M17/172-00001	172	00001	17-812-77	AA-4654	SCCS 7/.0067 0.0201 (0.51)	PTFE 0.060 (1.52)	38SC 0.078 (1.98)	FEP-IX 0.098 (2.49)	NA	0.012 (0.017)	50 +/- 2	69.5	29.4 (96.5)	1,200	-67 +392 (-55 +200)	400 MHz UnSwept	0.698	0.0012	Use Below 400 MHz M17/113-RG316





# M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/173-00001	173	00001	17-813-77	AA-4655	SCCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.078 (1.98)	PVC-11A 0.110 (2.79)	NA	0.0095 (0.014)	50 +/- 2	66	30.8 (101.1)	1,500	-40 +185 (-40 +85)	400 MHz UnSwept	0.746	0.00126	Use Below 400 MHz M17/119-RG174
M17/174-00001	174	00001	17-429-84	AA-4656	SC 7/.0312 0.0940 (2.39)	PTFE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	FEP-IX 0.390 (9.91)	NA	0.175 (0.261)	50 +/- 2	69.5	29.4 (96.5)	2,500	-67 +392 (-55 +200)	400 MHz UnSwept	0.154	0.0012	Use Below 400 MHz M17/127-RG393
M17/175-00001	175	00001	17-671-83	AA-4657	SC 19/.008 0.0384 (0.98)	PTFE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	FEP-IX 0.195 (4.95)	NA	0.050 (0.074)	50 +/- 2	69.5	29.4 (96.5)	1,900	-67 +392 (-55 +200)	400 MHz UnSwept	0.380	0.0012	Use Below 400 MHz M17/128-RG400
M17/176-00002	176	00001	Non-QPL'd	AA-5127	2C:SPA 19/.005 0.0235 (0.60)	PTFE 0.042 (1.07)	38SCBerCU 0.102 (2.59)	PFA-XIII 0.129 (3.28)	NA	0.018 (0.027)	77 +/- 3	71	24.0 (78.7)	1,000	-67 +392 (-55 +200)	10 MHz UnSwept			Use up to 10 MHz maximum
M17/176-00003	176	00003	No QPL'd Source		2C:SPA 19/.005 0.0235 (0.60)	ETFE or ECTFE 0.042 (1.07)	38SCBerCU 0.102 (2.59)	PFA/FEP/ETFE/ECTFE 0.125 (3.18)	NA	0.016 (0.024)	77 +/- 3	78	24.0 (78.7)	1,000	-67 +302 (-55 +150)	10 MHz UnSwept			Use up to 10 MHz maximum
M17/177-00001	177	00001	17-246-90	AA-6513	SCCS 7/.004 0.012 (0.30)	PTFE 0.102 (2.59)	38SC-FEP-38SC 0.159 (4.04)	FEP-IX 0.184 (4.67)	NA	0.034 (0.051)	95 +/- 5	69.5	15.4 (50.5)	1,500	-67 +392 (-55 +200)	3 GHz UnSwept	0.499	0.0012	Use up to 3000 MHz maximum
M17/178-00001	178	00001	No QPL'd Source		SCCS 7/.004 0.012 (0.30)	PTFE 0.102 (2.59)	38SC:34NC Composite .170" (4.32)	Polyester Braid 0.270 (6.86)	NA	0.060 (0.089)	95 +/- 5	69.5	15.4 (50.5)	1,500	-67 +302 (-55 +150)	3 GHz UnSwept	0.499	0.0012	Use up to 3000 MHz maximum
M17/179-00001	179	00001	No QPL'd Source		SCCS 7/.004 0.012 (0.30)	PTFE 0.063 (1.60)	38SC:34NC Composite .123" (3.12)	Polyester Braid 0.195 (4.95)	NA	0.036 (0.054)	75 +/- 3	69.5	19.5 (64.0)	1,200	-67 +302 (-55 +150)	3 GHz UnSwept	0.685	0.0012	Use up to 3000 MHz maximum
M17/180-00001	180	00001	17-05-92	AA-7276	CCS 0.0285 (0.72)	PE 0.185 (4.70)	34SC:34BC 0.243 (6.17)	XLPE 0.332 (8.43)	NA	0.092 (0.137)	75 +/- 3	66	20.6 (67.6)	2,700	-22 +176 (-30 +80)	3 GHz UnSwept	0.256	0.00126	Non Halogen Low smoke M17/2-RG6
M17/181-00001	181	00001	17-05-92	AA-7277	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	33BC 0.318 (8.08)	XLPE 0.405 (10.29)	NA	0.108 (0.161)	75 +/- 3	66	20.6 (67.6)	5,000	-22 +176 (-30 +80)	1 GHz UnSwept	0.171	0.00126	Non Halogen Low smoke M17/6-RG11
M17/181-00002	181	00002	17-05-92	AA-7278	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	34BC 0.318 (8.08)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.132 (0.197)	75 +/- 3	66	20.6 (67.6)	5,000	-22 +176 (-30 +80)	1 GHz UnSwept	0.171	0.00126	Non Halogen Low smoke Armored M17/181-00001
M17/182-00001	182	00001	17-05-92	AA-7279	2C:BC 7/.0152 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.343 (8.71)	XLPE 0.420 (10.67)	NA	0.142 (0.212)	95 +/- 5	66	16.3 (53.5)	1,000	-22 +176 (-30 +80)	200 MHz UnSwept	0.214	0.00126	Non Halogen Low smoke Balanced line, M17/15-RG22 Use up to 200 MHz maximum
M17/182-00002	182	00002	17-05-92	AA-7280	2C:BC 7/.0152 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.343 (8.71)	XLPE 0.420 (10.67)	Alum. Braid 0.490 (12.45)	0.169 (0.252)	95 +/- 5	66	16.3 (53.5)	1,000	-22 +176 (-30 +80)	200 MHz UnSwept	0.214	0.00126	Non Halogen Low smoke Armored M17/182-00001
M17/183-00001	183	00001	17-05-92	AA-7281	TC 19/.0072 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.139 (3.53)	XLPE 0.195 (4.95)	NA	0.030 (0.045)	50 +/- 2	66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	0.05 to 1 GHz Swept	0.413	0.00126	Non Halogen Low smoke M17/28-RG58
M17/184-00001	184	00001	17-05-92	AA-7282	CCS 0.0226 (0.57)	PE 0.146 (3.71)	34BC 0.175 (4.45)	XLPE 0.242 (6.15)	NA	0.043 (0.064)	75 +/- 3	66	20.6 (67.6)	2,300	-22 +176 (-30 +80)	1 GHz UnSwept	0.320	0.00126	Non Halogen Low smoke M17/29-RG59 Use up to 1000MHz max.
M17/185-00001	185	00001	17-05-92	AA-7283	CCS 0.0253 (0.64)	Air-space PE 0.146 (3.71)	34BC 0.175 (4.45)	XLPE 0.242 (6.15)	Alum. Braid 0.795 (20.19)	0.042 (0.063)	93 +/- 5	81	13.5 (44.3)	750	-22 +176 (-30 +80)	1 GHz UnSwept	0.277	0.00074	Non Halogen Low smoke M17/30-RG62
M17/186-00001	186	00001	17-05-92	AA-7284	2C:TC 7/.0126 0.0378 (0.96)	PE (each) 0.079 (2.01)	36TC 0.181 (4.60)	XLPE 0.235 (5.97)	NA	0.041 (0.061)	78 +/- 3	68	19.6 (64.3)	1,000	-22 +176 (-30 +80)	10 MHz UnSwept	0.325	0.00126	Non Halogen Low smoke M17/45-RG108 Balanced line 10 MHz max
M17/187-00001	187	00001	17-05-92	AA-7285	TC 27/.005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.119 (3.02)	XLPE 0.160 (4.06)	NA	0.023 (0.034)	50 +/- 2	66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	0.05 to 1 GHz Swept	0.498	0.00126	Non Halogen Low smoke M17/54-RG122
M17/188-00001	188	00001	17-05-92	AA-7286	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.243 (6.17)	XLPE 0.332 (8.43)	NA	0.099 (0.147)	50 +/- 2	66	30.8 (101.1)	3,000	-22 +176 (-30 +80)	0.05 to 11GHz Swept	0.241	0.00126	Non Halogen Low smoke M17/73-RG212



# M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/189-00001	189	00001	17-05-92	AA-7287	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.318 (8.08)	XLPE 0.405 (10.29)	NA	0.121 (0.180)	50 +/- 2	66	30.8 (101.1)	5,000	-22 +176 (-30 +80)	0.05 to 1 GHz Swept	0.162	0.00126	Non Halogen Low smoke M17/74-RG213
M17/189-00002	189	00002	17-05-92	AA-7288	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.318 (8.08)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.146 (0.217)	50 +/- 2	66	30.8 (101.1)	5,000	-22 +176 (-30 +80)	0.05 to 1 GHz Swept	0.162	0.00126	Non Halogen Low smoke Armored M17/189-00001
M17/190-00001	190	00001	17-05-92	AA-7289	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	XLPE 0.425 (10.80)	NA	0.154 (0.229)	50 +/- 2	66	30.8 (101.1)	5,000	-22 +176 (-30 +80)	0.05 to 11 GHz Swept	0.161	0.00126	Non Halogen Low smoke M17/75-RG214
M17/191-00001	191	00001	17-05-92	AA-7290	TC 7/.0159 0.0477 (1.21)	PE 0.285 (7.24)	34BC:34BC 0.343 (8.71)	XLPE 0.425 (10.80)	NA	0.139 (0.207)	75 +/- 3	66	20.6 (67.6)	5,000	-22 +176 (-30 +80)	3 GHz UnSwept	0.171	0.00126	Non Halogen Low smoke M17/77-RG216
M17/192-00001	192	00001	17-05-92	AA-7291	BC 0.1060 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	XLPE 0.545 (13.84)	NA	0.248 (0.369)	50 +/- 2	66	30.8 (101.1)	7,000	-22 +176 (-30 +80)	0.05 to 3 GHz Swept	0.123	0.00126	Non Halogen Low smoke M17/78-RG217
M17/192-00002	192	00002	17-95-94	AA-8111	BC 0.1060 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	XLPE 0.545 (13.84)	NA	0.248 (0.369)	50 +/- 2	66	30.8 (101.1)	7,000	-22 +176 (-30 +80)	0.05 to 3 GHz Swept	0.123	0.00126	With temperature cycling M17/192-00001
M17/193-00001	193	00001	17-05-92	AA-7292	BC 0.1950 (4.95)	PE 0.680 (17.27)	30BC 0.726 (18.44)	XLPE 0.870 (22.10)	NA	0.521 (0.776)	50 +/- 2	66	30.8 (101.1)	11,000	-22 +176 (-30 +80)	0.05 to 1 GHz Swept	0.067	0.00126	Non Halogen Low smoke M17/79-RG218
M17/193-00002	193	00002	17-05-92	AA-7293	BC 0.1950 (4.95)	PE 0.680 (17.27)	30BC 0.726 (18.44)	XLPE 0.870 (22.10)	Alum. Braid 0.945 (24.00)	0.571 (0.851)	50 +/- 2	66	30.8 (101.1)	11,000	-22 +176 (-30 +80)	0.05 to 1 GHz Swept	0.067	0.00126	Non Halogen Low smoke Armored 193-00001
M17/194-00001	194	00001	17-05-92	AA-7294	SC 0.0350 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	XLPE 0.212 (5.38)	NA	0.044 (0.066)	50 +/- 2	66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	0.04 to 12.4 GHz Swept	0.380	0.00126	Non Halogen Low smoke M17/84-RG223
M17/195-00001	195	00001	17-05-92	AA-7295	CCS 0.0253 (0.64)	Air Space-PE 0.146 (3.71)	34BC:36TC 0.198 (5.03)	XLPE 0.240 (6.10)	NA	0.053 (0.079)	93 +/- 5	85	13.5 (44.3)	750	-22 +176 (-30 +80)	1 GHz UnSwept	0.277	0.00074	Non Halogen Low smoke M17/90-RG71
M17/196-00001	196	00001	17-05-92	AA-7296	CCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.078 (1.98)	XLPE 0.110 (2.79)	NA	0.009 (0.013)	50 +/- 2	66	30.8 (101.1)	1,500	-22 +176 (-30 +80)	0.05 to 1 GHz Swept	0.746	0.00126	Non Halogen Low smoke M17/119-RG174
M17/197-00001	197	00001	17-05-92	AA-7297	TC 19/.0072 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.139 (3.53)	XLPE 0.195 (4.95)	NA	0.0310 (0.046)	50 +/- 2	66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	400 MHz UnSwept	0.413	0.00126	Non Halogen Low smoke M17/155-00001
M17/198-00001	198	00001	17-05-92	AA-7298	TC 27/.005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.119 (3.02)	XLPE 0.160 (4.06)	NA	0.024 (0.036)	50 +/- 2	66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	400 MHz UnSwept	0.498	0.00126	Non Halogen Low smoke M17/157-00001
M17/199-00001	199	00001	17-05-92	AA-7299	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.243 (6.17)	XLPE 0.332 (8.43)	NA	0.100 (0.149)	50 +/- 2	66	30.8 (101.1)	3,000	-22 +176 (-30 +80)	400 MHz UnSwept	0.241	0.00126	Non Halogen Low smoke M17/162-00001
M17/200-00001	200	00001	17-05-92	AA-7300	SC 0.0350 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	XLPE 0.212 (5.38)	NA	0.044 (0.066)	50 +/- 2	66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	400 MHz UnSwept	0.380	0.00126	Non Halogen Low smoke M17/167-00001
M17/201-00001	201	00001	No QPL'd Source		2C:SPA 19/.005 0.0248 (0.63)	XLETFE 0.052 (1.32)	38TC 0.070 (1.78)	XLETFE 0.137 (3.48)	NA	0.0142 (0.021)	77 +/- 5	66	30.0 (98.4)	600	-85 +302 (-65 +150)	1 MHz UnSwept	NA	NA	Single Shield Data Bus Cable
M17/201-00002	201	00002	No QPL'd Source		2C:SPA 19/.0063 0.0312 (0.79)	XLETFE 0.064 (1.63)	38TC 0.087 (2.21)	XLETFE 0.165 (4.19)	NA	0.0219 (0.033)	77 +/- 5	66	30.0 (98.4)	600	-85 +302 (-65 +150)	1 MHz UnSwept	NA	NA	Single Shield Data Bus Cable
M17/201-00003	201	00003	No QPL'd Source		2C:SPA 19/.005 0.0248 (0.63)	XLETFE 0.048 (1.22)	38TC 0.066 (1.68)	XLETFE 0.130 (3.30)	NA	0.0159 (0.024)	77 +/- 5	66	30.0 (98.4)	600	-85 +302 (-65 +150)	1 MHz UnSwept	NA	NA	Single Shield Data Bus Cable
M17/202-00001	202	00001	No QPL'd Source		2C:SPA 19/.005 0.0248 (0.63)	XLETFE 0.048 (1.22)	38TC:38TC 0.084 (2.13)	XLETFE 0.147 (3.73)	NA	0.0262 (0.039)	77 +/- 5	66	30.0 (98.4)	600	-85 +302 (-65 +150)	1 MHz UnSwept	NA	NA	Double Shield Data Bus Cable



# M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/203-00001	203	00001	No QPL'd Source		2C:SPA 19/.005 0.0248 (0.63)	XLETFF 0.048 (1.22)	38TC:38TC Mu Metal Inrlayer .140" (3.56)	XLETFF 0.161 (4.09)	NA	0.0291 (0.043)	77 +/- 5	66	30.0 (98.4)	600	-85 +302 (-65 +150)	1 MHz UnSwept	NA	NA	Triple Shield Data Bus Cable
M17/204-00001	204	00001	Assigned But Not Used						NA										
M17/205-00018	205	00018	No QPL'd Source		SC 0.0298 (0.76)	Exp PTFE Tape 0.083 (2.11)	Helical SPC Tape 38SC: .109" (2.77)	PFA - XIII 0.120 (3.05)	NA	0.015 (0.022)	50 +/- 2	82	27.0 (88.6)	1,900	-67 +392 (-55 +200)	0.05 to 18 GHz Swept	0.404	0.00017	
M17/205-00050	205	00050	No QPL'd Source		SC 0.0298 (0.76)	Exp PTFE Tape 0.083 (2.11)	Helical SPC Tape 38SC: .109" (2.77)	PFA - XIII 0.120 (3.05)	NA	0.015 (0.022)	50 +/- 2	82	27.0 (88.6)	1,900	-67 +392 (-55 +200)	0.05 to 50 GHz Swept	0.404	0.00017	
M17/206-00018	206	00018	No QPL'd Source		SC 0.0365 (0.93)	PTFE 0.117 (2.97)	SCStrip-Al.Kptn- 36SC .154" (3.91)	FEP - IX 0.169 (4.29)	NA	0.040 (0.060)	50 +/- 2	69.5	32.0 (105.0)	1,900	-67 +392 (-55 +200)	0.05 to 18 GHz Swept	0.355	0.0012	
M17/206-00030	206	00030	No QPL'd Source		SC 0.0365 (0.93)	PTFE 0.117 (2.97)	SCStrip-Al.Kptn- 36SC .154" (3.91)	FEP - IX 0.169 (4.29)	NA	0.040 (0.060)	50 +/- 2	69.5	32.0 (105.0)	1,900	-67 +392 (-55 +200)	0.05 to 30 GHz Swept	0.355	0.0012	
M17/207-00001	207	00001	No QPL'd Source																Assigned but not used
M17/208-00001	208	00001	No QPL'd Source		BCCS 0.007 (0.18)	Air-Space PE 0.285 (7.24)	34BC 0.314 (7.98)	XLPE 0.405 (10.29)	NA	0.089 (0.133)	185 +/- 10	83	7.2 (23.6)	1,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.071	0.00126	Non Halogen Low smoke M17/64-RG114
M17/209-00001	209	00001	No QPL'd Source		BC 0.1054 (2.68)	Solid PE 0.680 (17.27)	30BC 0.726 (18.44)	XLPE 0.870 (22.10)	NA	0.505 (0.752)	75 +/- 3	66	22.0 (72.2)	10,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.161	0.00126	Non Halogen Low smoke M17/64-RG164
M17/209-00002	209	00002	No QPL'd Source		BC 0.1054 (2.68)	Solid PE 0.680 (17.27)	30BC 0.726 (18.44)	XLPE 0.870 (22.10)	Alum. Braid 0.945 (24.00)	0.545 (0.812)	75 +/- 3	66	22.0 (72.2)	10,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.161	0.00126	Non Halogen Low smoke M17/64-RG35
M17/210-00001	210	00001	17-05-92	AA-3404	BC 0.195 (4.95)	Solid PE 0.680 (17.27)	34SC:34SC 0.738 (18.75)	XLPE 0.895 (22.73)	NA	0.572 (0.852)	50 +/- 2	66	32.2 (105.6)	11,000	-40 +176 (-40 +80)	0.05 to 5.6GHz Swept	0.065	0.00126	Non Halogen Low smoke M17/67-RG177
M17/211-00001	211	00001	17-05-92	AA-8063	TC 7/.0159 0.0477 (1.21)	Cond PE & PE 0.295 (7.49)	34TC 0.324 (8.23)	XLPE 0.405 (10.29)	NA	0.110 (0.164)	72 +/- 3	63	24.0 (78.7)	5,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.186	0.00136	Non Halogen Low smoke M17/126-RG391
M17/211-00002	211	00002	17-05-92	AA-8064	BC 7/.0296 0.0477 (1.21)	Cond PE & PE 0.295 (7.49)	34TC 0.324 (8.23)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.135 (0.201)	72 +/- 3	63	24.0 (78.7)	5,000	-40 +176 (-40 +80)	1 GHz UnSwept	0.186	0.00136	Non Halogen Low smoke M17/126-RG392
M17/212-00001	212	00001	17-05-92	AA-8065	BC 0.195 (4.95)	Solid PE 0.680 (17.27)	34SC:34SC 0.738 (18.75)	XLPE 0.895 (22.73)	NA	0.572 (0.852)	50 +/- 2	66	32.2 (105.6)	11,000	-40 +176 (-40 +80)	400 MHz UnSwept	0.067	0.00126	Non Halogen Low smoke M17/160-00001 Use Below 400 MHz
M17/213-00001	213	00001	17-05-92	AA-8066	BC 7/.0296 0.0888 (2.26)	Solid PE 0.285 (7.24)	33BC 0.318 (8.08)	XLPE 0.405 (10.29)	NA	0.121 (0.180)	50 +/- 2	66	32.2 (105.6)	5,000	-40 +176 (-40 +80)	400 MHz UnSwept	0.162	0.00126	Non Halogen Low smoke M17/163-00001 Use Below 400 MHz
M17/214-00001	214	00001	17-05-92	AA-8067	BC 7/.0296 0.0888 (2.26)	Solid PE 0.285 (7.24)	34SC:34SC 0.343 (8.71)	XLPE 0.425 (10.80)	NA	0.154 (0.229)	50 +/- 2	66	32.2 (105.6)	5,000	-40 +176 (-40 +80)	400 MHz UnSwept	0.161	0.00126	Non Halogen Low smoke M17/164-00001 Use Below 400 MHz
M17/215-00001	215	00001	17-05-92	AA-8068	BC 0.1060 (2.69)	Solid PE 0.370 (9.40)	33BC:33BC 0.403 (10.24)	XLPE 0.545 (13.84)	NA	0.248 (0.369)	50 +/- 2	66	32.2 (105.6)	7,000	-40 +176 (-40 +80)	400 MHz UnSwept	0.123	0.00126	Non Halogen Low smoke M17/165-00001 Use Below 400 MHz
M17/216-00001	216	00001	17-05-92	AA-8069	BC 0.1950 (4.95)	Solid PE 0.680 (17.27)	30BC 0.726 (18.44)	XLPE 0.870 (22.10)	NA	0.521 (0.776)	50 +/- 2	66	32.2 (105.6)	11,000	-40 +176 (-40 +80)	400 MHz UnSwept	0.067	0.00126	Non Halogen Low smoke M17/166-00001 Use Below 400 MHz
M17/217-00001	217	00001	17-05-92	AA-8070	BCCS 7/.0063 0.0189 (0.48)	Solid PE 0.060 (1.52)	38BC 0.078 (1.98)	XLPE 0.110 (2.79)	NA	0.010 (0.015)	50 +/- 2	66	32.2 (105.6)	1,500	-40 +176 (-40 +80)	400 MHz UnSwept	0.746	0.00126	Non Halogen Low smoke Armored M17/173-00001 Use Below 400 MHz



## M17/MIL-C-17 Coaxial Cable Database

M17 Part Number	M17 Spec Sheet	RG Type	M17 QPL No.	TMS P/N	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lbs/foot (kg/m)	Impedance ohms	Velocity of Propagation %	Capacitance pF/foot (pF/m)	Max Oper. Voltage vrms	Temperature Range F (C)	Operating Frequency (max)	Attenuation Constants		Notes and Product Selection Suggestions
																	k1	k2	
M17/218-00001	218	00001	17-05-92	AA-8071	BCCS 0.0253 (0.64)	Air spaced PE 0.285 (7.24)	33BC 0.318 (8.08)	XLPE 0.405 (10.29)	NA	0.095 (0.142)	125 +/- 6	86	11.0 (36.1)	750	-40 +176 (-40 +80)	1 GHz UnSwept	0.183	0.00075	Non Halogen Low smoke Armored M17/31-RG63 Use up to 1000 MHz
M17/218-00002	218	00002	17-05-92	AA-8072	BCCS 0.0253 (0.64)	Air spaced PE 0.285 (7.24)	33BC 0.318 (8.08)	XLPE 0.405 (10.29)	Alum.Braid 0.475 (12.07)	0.138 (0.206)	125 +/- 6	86	11.0 (36.1)	750	-40 +176 (-40 +80)	1 GHz UnSwept	0.183	0.00075	Non Halogen Low smoke Armored M17/31-RG79 Use up to 1000 MHz
M17/219-00001	219	00001	Proposed Spec		SCCS 0.0232 (0.59)	PTFE 0.076 (1.93)	BC Tube 0.096 (2.44)	None	NA	0.0150 (0.022)	50 +/- 1	69.5	32.0 (105.0)	1,750	-40 +257 (-40 +125)	0.50 to 50 GHz Swept	0.494	0.0012	Proposed Spec
M17/220-00001	220	00001	Proposed Spec		SC 0.032 (0.81)	Exp PTFE Tape 0.098 (2.49)	BC Tube 0.118 (3.00)	None	NA	0.0230 (0.034)	50 +/- 1	75	28.0 (91.9)	1,500	-40 +257 (-40 +125)	0.50 to 50 GHz Swept	0.358	0.00019	Proposed Spec