MIL-C-17 COAXIAL CABLES

INTRODUCTION

MIL-C-17 is the government specification document used to standardize coaxial cables; it has been in use since the 1940's. In the many revisions made to MIL-C-17 over the years, the familiar RG part numbers were superseded by M17 part numbers during the 1970s. The benefits of these more recent revisions are discussed under the following headlines. The most recent and therefore applicable revision to MIL-DTL-17 is Revision H.

Pages 29 through 39 contain a complete listing of all current M17 cables. For engineering reference, pages 45 through 61 contain the old RG tables. Attenuation and power handling characteristics tables are presented on pages 40 through 44.

BENEFITS IN USING MIL-C-17 COAXIAL CABLES

Revision E to MIL-C-17 was released in 1976 to better define the mechanical and electrical requirements for military coaxial cables. For 50-ohm cables, the most important changes were the addition of swept frequency measurements of both attenuation and structural return loss requirements (VSWR) to 22 different cables. Before this revision there were no VSWR requirements, and attenuation requirements were only given at two or three discrete frequencies. Other significant changes are described in the following paragraphs.

ADHESION REQUIREMENTS

MIL-C-17 specifications now contain the minimum and maximum adhesion requirements of the dielectric core to the center conductor. Prior to revision E, it was possible for a cable to have so little adhesion that the center conductor in shorter cables could be pulled out of the entire assembly during the stripping operation. Or there could be too much adhesion between the core and the conductor, causing the conductor to break before the dielectric core could be stripped off. With Revision E, a definite criterion has been specified.

DIMENSIONAL STABILITY

Revision E required that all cables be manufactured and tested to a specific maximum shrinkback allowance for the dielectric core and the jacket. Temperature extremes can cause shrinkback of the cable jacket which can create a poor termination.

ECCENTRICITY

Before Revision E was implemented, eccentricity requirements applied only to polyethylene dielectrics. Now eccentricity requirements have been identified for other kinds of dielectrics (e.g., PTFE). Cables that meet the eccentricity requirement facilitate the reliable assembly of connector parts and provide low VSWR ratios.

STRESS-CRACK RESISTANCE

MIL-C-17 now requires a stress-crack resistance test on all FEP (fluorinated ethylene propylene) and PFA (perfluoroalkoxy) jacketed cables. This test identifies cables with previously undetected residual stress that could result in jacket cracking.

CONTAMINATION

Although earlier MIL-C-17 specifications allowed the use of some Type I PVC (polyvinylchloride) for jackets, Revision F has completely replaced it with Type II PVC, a non-contaminating compound. The plasticizers in Type I PVC can penetrate the braided shield and migrate into the polyethylene dielectric core, causing a large increase in the dielectric loss portion of attenuation, especially at frequencies above 1 GHz.

It should be noted that a cable with a type I PVC jacket can affect other cables in close contact, even if the other cables all have Type IIa jackets.

ATTENUATION AND STRUCTURAL RETURN LOSS

MIL-C-17 specifications require that attenuation and structural return loss (VSWR) be completely tested by sweeping 22 different 50-ohm cables over the frequency band for which their use is recommended. Variance in materials or in the manufacturing process can cause periodic discontinuities along a length of coaxial cable which can introduce resonance peaks (spikes). These spikes occur when the discontinuities or changes in electrical characteristics are periodic and at half-wave distances.

When impedance changes occur periodically, there are frequencies in which all of the reflections are in phase, resulting in a large reflected signal or VSWR that is out of proportion to the normal VSWR of the cables and its connectors. Periodic reflections can also cause substantial increase in attenuation at the resonance peaks. In the past, it was very unusual to detect these narrow band, high attenuation spikes when cables were tested for attenuation using the older MIL-C-17D discrete frequency test procedure (generally at 400 MHz and 3 GHz, and also at 10 GHz for RG-214).

Now, however, M17/75-RG214 has continuous swept maximum VSWR and attenuation requirements from 50 MHz to 11 GHz. The maximum VSWR is 1.15:1 (23 dB SRL) at 100 MHz increasing to a maximum of 1.33:1 (17 dB structural return loss) at 11 GHz. The maximum attenuation is 1.7 dB/100 feet at 50 MHz increasing to 60 dB/100 feet at 11 GHz.

Coaxial cables that do not require "full band" swept frequency performance can be procured under separate part numbers in an unswept version. The specifications sheets for these unswept cables recommend that they not be used above 400 MHz. The user must decide which cables will best suit the situation based on cost, application and potential for system growth and improvements.

CABLE DESIGNATIONS

Cables that are manufactured to MIL-C-17 specifications no longer carry the RG designation. For example, RG-214 has been replaced by M17/75-RG214. In the future, any new cable design will be designated by an M17 part number only. In addition to the M17 number, all cables are marked with the manufacturer's name and government identification number, for example, "M17/75-RG214, MIL-C-17, Times Microwave Systems, 68999 AA-3409" Cables that are not marked with this information are not qualified and there is no guarantee of their performance.

MIL-C-17 QPL LISTING

Only qualified cables should be used for military contracts. All manufacturers of MIL-C-17 cables must obtain qualification approval for their cables. The qualified products are then listed in QPL-17 which is updated periodically throughout the year. Please note that all RG numbered cables have been cancelled from MIL-C-17 and only cables with part numbers starting "MIL/17" should be used for new military contracts. Since there is no longer any control of "RG" specifications, many cables on the market with RG designations may be completely different in construction and performance. The RG tables listed in this catalog, when supplied by Times, are manufactured in accordance with the original specifications sheet released by the military.

SPECIAL DESIGNS

Although MIL-C-17 covers a broad range of cable types, Times can also provide technical assistance in designing specialized cables to meet specific system parameters that cannot be met with existing MIL-C-17 cables. Please contact our Marketing Department for assistance with your specialized need.

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/2-RG6	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	Use M17/180-00001 LS/LT Jacket
M17/6-RG11	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	20.8 (67.6)	5,000	-40 +185 (-40 +85)	1GHz Unswept	Use M17/181-00001 LS/LT Jacket
M 17/6-RG12	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 (0.200)	75 +/-3 66	20.6 (67.6)	5,000	-40+185 (-40+85)	1 GHz Unswept	Use M17/181-00002 LS/LT Jacket
M17/15-RG22	17-793-77	AA-3395	2-BC7/ .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	Use M17/182-00001 LS/LT Jacket
M17/15-RG111	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)	200MHz Unswept	Use M17/182-00002 LS/LT Jacket
M17/16-RG23	No QPL'd Source	AA-5160	2-BC 7/.0285" 0.0855 (2.17)	PE: 2 cores 0.380 (9.65)	34BC:34BC .438 x .847 (11.1 x 21.5)	PVC-IIA .650 x .945 (16.5 x 24.0)	NA	0.530 (0.789)	125 +/- 5 66	12.0 (39.4)	7,000	-40 +185 (-40 +85)	400 MHz Unswept	Inactive for new design
M17/16-RG24	No QPL'd Source	AA-5161	2-BC 7/.0285" 0.0855 (2.17)	PE: 2 cores 0.380 (9.65)	34BC:34BC .438 x .847 (11.1 x 21.5)	PVC-IIA .650 x .945 (16.5 x 24.0)	Alum. Braid .708 x 1.003 (18.0 x 25.5)	0.730 (1.087)	125 +/-5 66	12.0 (39.4)	7,000	-40+185 (-40 +85)	400 MHz Unswept	Inactive for new design
M17/19-RG25	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	Triaxial Pulse Cable
M17/21-RG26	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	Coaxial Pulse Cable Armored
M17/22-RG27	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	Coaxial Pulse Cable Armored
M17/22-00001	No QPL'd Source	AA-5162	TC 19/.0185" 0.0925 (2.35)	Rubber-D 0.455 (11.56)	34TC 0.484 (15.11)	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	Coaxial Pulse Cable
M17/23-RG28	No QPL'd Source	AA-5164	TC 19/.0185" 0.0925 (2.35)	Rubber-D 0.455 (11.58)	34TC:34GS 0.559 (14.20)	Rubber-IV 0.735 (18.67)	NA	0.400 (164.1)	48 +/-4 42	50.0 (164.1)	15,000	-40 +185 (-40 +85)	1 MHz Unswept	Triaxial Pulse Cable
M17/24-RG34	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	
M17/28-RG58	17-304-83	AA-3397	TC 19/.0072" 0.0355 (0.090)	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	Use: M17/183-00001 LS/LT Jacket
M17/29-RG59	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	Use: M17/184-00001 LS/LT Jacket
M17/30-RG62	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	Use: M17/185-00001 LS/LT Jacket
M17/31-RG63	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	0.138 (0.206)	125 +/-6 86	11.0 (36.1)	750	-40 +176 (-40 +80)	1 GHz Unswept	Use: M17/218-00001 LS/LT Jacket
M17/31-RG79	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 +175 (-40 +80)	1GHz Unswept	Use: M17/218-00002 LS/LT Jacket
M17/33-RG64	No QLP'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 0.450 (11.68)	NA	0.220 (0.328)	48 +/-4 42	55.0 (180.5)	10,000	-40 +185 (-40 +85)	1 MHz Unswept	Coaxial Pulse Cable
M17/34-RG65	No QLP'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 +85)	5 MHz Unswept	Coaxial Delay Line 0.15 uSec/foot
M17/45-RG108	17-796-77	AA-3399	2:TC 7/.0126" 0.0378 (0.96)	PE (2 cores) 0.079 (2.01)	36TC 0.181 (4.60)	PVC-IIA 0.235 (5.97)	NA	0.035 (0.052)	78 +/-7 68	19.6 (64.3)	1,000	-40 +185 (-40 +85)	10 MHz Unswept	Use: M17/186-00001 LS/LT Jacket
M17/47-RG114	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 (1.33)	185 +/-10 85	6.5 (21.3)	1,000	-40 -176 (-40 +80)	1 GHz Unswept	Use: M17/208-00001 LS/LT Jacket

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/52-RG119	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 - 1 GHz Swept	High Power Coax
M17/52-RG120	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 - 1GHz Swept	Armored M17/52-RG119
M17/52-00001	No QPL'd Source	NA	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 - 3GHz Swept	High Frequency M17/52-RG119
M17/54-RG122	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 - 1 GHz Swept	Use M17/187-00001 LS/LT Jacket
M17/56-RG130	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	Balanced Shielded Line
M17/56-RG131	No QPL'd Source	AA-5187	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	Armored M17/56-RG130
M17/60-RG142	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 - 8 GHz Swept	50 ohm Low Loss High Temperature Coax
M17/62-RG144	17-750-85	AA-3820	SCCS 7/.0175" 0.0525 (1.33)	PTFE 0.285 (7.24)	34SC 0.314 (7.98)	FG Braided-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	75 ohm Low Loss High Temperature Coax
M17/64-RG35	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	Armored M17/209-00001
M17/64-RG164	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 +185)	1 GHz UnSwept	Use: M17/209-0001 LS/LT Jacket
M17/65-RG165	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 - 3 GHz Swept	
M17/65-RG166	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 - 3 GHz Swept	Armored M17/65-RG165
M17/67-RG177	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 - 3 GHz Swept	Use: M17/210-00001 LS/LT Jacket
M17/72-RG211	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 - 3 GHz Swept	
M17/73-RG212	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 - 3 GHz Swept	Use:M17/188-00001 LS/LT Jacket
M17/74-RG213	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 - 1 GHz Swept	Use M/17189-00001 LS/LT Jacket
M17/74-RG215	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 - 11GHz Swept	Use M17/189-00002 LS/LT Jacket
M17/75-RG214	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 - 11GHz Swept	Use M17/190-00001 LS/LT Jacket
M17/75-RG365	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 - 11GHz Swept	
M17/77-RG216	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	Use M17/191-00001 LS/LT Jacket
M17/78-RG217	17-1102-85	AA-3410	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	PVC-IIA 0.545 (13.84)	NA	0.225 (0.335)	50 +/-2 66	30.8 (101.1)	7,000	-40 +185 (-40 +85)	0.05 - 3GHz Swept	Use M17-192-00001 LS/LT Jacket

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/78-00001	17-1102-85	AA-8212	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (12.07)	PVC-IIA 0.545 (13.84)	NA	0.225 (0.335)	50 +/-2 66	30.8 (101.1)	7,000	-40 +176 (-40 +85)	0.05 - 3GHz Swept	Temperature-cycled M17/78-RG217
M17/79-RG218	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)	0.05 - 1GHz Swept	Use M17/193-00001 LS/LT Jacket
M17/79-RG219	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)	0.05 - 1GHz Swept	Use M17/193-00002 LS/LT Jacket
M17/81-00001	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	
M17/81-00002	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	Armored M17/81-00001
M17/84-RG223	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)	.04-12.4 GHz Swept	Use M17/194-00001 LS/LT Jacket
M17/86-00001	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	
M17/86-00002	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)	0.222 (0.331)	50 +/-2 69.5	29.4 (96.5)	5,000	-67 +392 (-55 +200)	400 MHz UnSwept	Armored M17/86-00001
M17/87-00001	17-355-88	AA-5168	SC 19/.0254" 0.127 (3.23)	Taped PTFE 0.370 (9.40)	34BC:34SC 0.428 (5.03)	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	
M17/90-RG71	17-280-83	AA-4444	CCS 0.0253 (0.54)	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	Use M17/195-00001 LS/LT Jacket
M17/92-RG115	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	29.0 (95.1)	5,000	-67 +392 (-55 +200)	.05-12.4 GHz Swept	
M17/92-00001	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)	.05-12.4 GHz Swept	
M17/93-RG178	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)	.05-3 GHz Swept	
M17/93-00001	17-867-84	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)	.05-3 GHz Swept	
M17/94-RG179	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	
M17/95-RG180	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	
M17/97-RG210	17-668-83	AA-4763	SCCS 0.0253 (0.64)	Air-space PTFE 0.146 (3.71)	34SC 0.175 (4.45)	FG Braid-V 0.242 (6.15)	NA	0.050 (0.074)	93 +/- 5 85	13.5 (44.3)	1,000	-67 +392 (-55 +200)	3 GHz UnSwept	
M17/100-RG133	No QPL'd Source	NA	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	
M17/109-RG301	No QPL'd Source	NA	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	
M17/110-RG302	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	
M17/111-RG303	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)	0.05-3 GHz Swept	

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/112-RG304	17-474-86	AA-5130	SCCS 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)	0.05-8 GHz Swept	
M17/113-RG316	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)	0.05-3 GHz Swept	
M17/116-RG307	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-IIIA 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	
M17/119-RG174	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)	0.05-1 GHz Swept	Use M17/196-00001 LS/LT Jacket
M17/124-RG328	No QPL'd Source	NA	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	-67 +185 (-55 +85)	1 GHz UnSwept	
M17/125-RG329	No QPL'd Source	NA	TC19/.0117" 0.0585 (1.49)	RubberH,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	-67 +194 (-55 +90)	1 GHz UnSwept	
M17/126-RG391	17-670-83	AA-4464	TC 7/.0159" 0.0477 (1.21)	CPE & 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	Use: M17/211-00001 LS/LT Jacket
M17/126-RG392	17-670-83	AA-4465	TC 7/.0159" 0.0477 (1.21)	CPE & 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	Armored M17/211-00001
M17/127-RG393	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)	.05-11 GHz Swept	
M17/128-RG400	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)	.05-12.4 GHz Swept	
M17/129-RG401	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)	0.4-18 GHz Swept	
M17/129-00001	17-197-85	AA-5012	SC 0.0641 (1.63)	PTFE 0.209 (5.31)	TC Tube 0.250 (6.35)	None		0.106 (0.158)	50 +/-0.5 69.5	29.4 (96.5)	3,000	-40 +194 (-40 +90)	0.4-18 GHz Swept	Tin Plated M17/129-RG401
M17/130-RG402	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 +/-2 69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5-20 GHz Swept	
M17/130-00001	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)	0.5-20 GHz Swept	Tin Plated M17/130-RG402
M17/130-00002	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)	0.5-20 GHz Swept	
M17/130-00003	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)	0.5-20 GHz Swept	Tin Plated M17/130-00002
M17130-00004	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)	0.5-20 GHz Swept	
M17/130-00005	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)	0.5-20 GHz Swept	Tin Plated M17/130-00004
M17/130-00006	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)	0.5-20 GHz Swept	
M17/130-00007	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)	0.5-20 GHz Swept	Tin Plated M17/130-00006
M17/130-00008	Non-QPL'd	NA	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)	0.5-20 GHz Swept	

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/130-00009	Non-QPL'd	NA	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)	0.5-20 GHz Swept	Tin Plated M17/130-00008
M17/130-00010	No QPL'd Source	NA	SNCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	AL Tube 0.141 (3.58)	None	NA	0.0188 (0.028)	50 +/- 1 9.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5-20 GHz Swept	
M17/130-00011	No QPL'd Source	NA	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)	0.5-20 GHz Swept	Tin Plated M17/130-00010
M17/130-00012	Non-QPL'd	NA	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)	0.5-20 GHz Swept	Silver Plated M17/130-00004
M17/130-00013	No QPL'd Source	NA	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)	0.5-20 GHz Swept	Silver Plated M17/130-00006
M17/130-00014	No QPL'd Source	NA	SCCS .0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50 +/- 1 69.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5-20 GHz	90/10 Tin Plated 300u" minimum
M17/130-00015	No QPL'd Source	NA	SC .0362 (0.92)	PTFE 0.1175 (2.98)	TC Tube 0.141 (3.58)	None	NA	0.0351 (0.052)	50 +/- 1 69.5	29.9 (98.1)	1,900	-40 +257 (-40 +125)	0.5-20 GHz	90/10 Tin Plated 300u" minimum
M17/131-RG403	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)	0.05-10 GHz Swept	RG-178 Triax
M17/132-00001	17-245-90	AA-6512	SCCS 7/.004 0.0120 (0.30)	PTFE & CPT 0.035 (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	RG-178 Low Noise
M17/133-RG405	17-197-85	AA-5017	SCCS 0.0201 (0.51)	PTFE 0.065 (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)	0.5-20 GHz Swept	
M17/133-00001	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)	0.5-20GHz Swept	Tinplated M17/133-RG405
M17/133-00002	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)	0.5-20GHz Swept	
M17/133-00003	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)	0.5-20GHz Swept	Tinplated M17/133-00002
M17/133-00004	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)	0.5-20 GHz Swept	
M17/133-00005	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)	0.5-20 GHz Swept	Tinplated M17/133-00004
M17-133-00006	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)	0.5-20 GHz Swept	
M17-133-00007	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)	0.5-20 GHz Swept	Tinplated M17/133-00006
M17/133-00008	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)	0.5-20 GHz Swept	
M17/133-00009	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)	0.5-20 GHz Swept	Tinplated M17/133-00008
M17/133-00010	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)	0.5-20 GHz Swept	
M17/133-00011	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)	0.5-20 GHz Swept	Tinplated M17/133-00010

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/133-00012	Non-QPL'd	NA	SCCS 0.0201 (0.51)	PTFE 0.066 (0.68)	AL Tube 0.066 (2.20)	None	NA	0.0075 (0.011)	50 +/-1.5 69.5	29.9 (98.1)	1,500	-40 +257 (-40 +125)	0.5-20 GHz Swept	
M17/133-00013	Non-QPL'd	NA	SCCS 0.0201 (0.051)	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)	0.5-20 GHz Swept	Tinplated M17/133-00012
M17/133-00014	No QPL'd Source	NA	SNCCS 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)	0.5-20 GHz Swept	
M17/133-00015	No QPL'd Source	NA	SNCCS 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)	0.5-20 GHz Swept	Tinplated M17/133-00014
M17/133-00016	Non-QLP'd	NA	SCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	SC 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)	0.5-20 GHz Swept	Silver plated M17/133-00006
M17/133-00017	No QLP'd Source	NA	SNCCS 0.0201 (0.51)	PTFE 0.066 (1.68)	SC 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)	0.5-20 GHz Swept	Silver plated M17/133-00010
M17/133-00018	No QPL'd Source	NA	SC .0201 (0.51)	PTFE 0.066 (1.68)	TC Tube .0865 (2.20)	NA	NA	.0157 (.023)	50 +/-1.5 69.5	29.9 (98.1)	1,500	-40 +257 (-40 +125)	0.5-20 GHz Swept	90/10 Tinplated 300u" (minimum)
M17/134-00001	17-952-85	AA-5411	SC 0.033 (0.84)	PE 0.116 (2.95)	36SC-PE-36SC 0.198 (5.03)	PE-IIIA 0.245 (6.22)	NA	0.045 (0.067)	50 +/-2 66	30.8 (101.1)	1,900	-40 +158 (-40 +70)	.05-3 GHz Swept	Water blocked Triax
M17/134-00002	17-952-85	AA-4472	SC 0.033 (0.84)	PE 0.116 (2.95)	36SC-PE-36SC 0.198 (5.03)	PE-IIIA 0.245 (6.22)	NA	0.045 (0.067)	50 +/-2 66	30.8 (101.1)	1,900	-40 +158 (-40 +70)	.05-3 GHz Swept	Non-water blocked M17/134-00001
M17/134-00003	17-952-85	AA-7557	SC 0.033 (0.84)	PE 0.116 (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)	.05-3 GHz Swept	Non-halogen, Low Smoke M17/134-00001
M17/134-00004	17-952-85	AA-7558	SC 0.033 (0.84)	PE 0.116 (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)	.05-3 GHz Swept	Non-halogen, Low smoke M17/134-00002
M17/135-00001	17-202-88	AA-3833	SC 7/.0296 0.0880 (2.24)	PE 0.285 (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 (-4 +70)	.05-3 GHz Swept	Water blocked Triax
M17/135-00002	17-202-88	AA-4473	SC 7/.0296 0.088 (2.24)	PE 0.285 (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)	.05-3 GHz Swept	Non-water blocked M17/135-00001
M17/135-00003	17-202-88	AA-5926	SC 0.081 (2.06)	PE 0.285 (7.24)	33SC-PE-33SC 0.398 (10.11)	PE-IIIA 0.500 (12.70)	NA	0.185 (0.276)	50 +/-2 66	30.8 (101.1)	5,000	-40 +158 (-40 +70)	.05-3 GHz Swept	Water blocked Triaxial
M17/135-00004	17-202-88	AA-5927	SC 0.081 (2.06)	PE 0.285 (7.24)	33SC-PE-33SC 0.398 (10.11)	PE-IIIA 0.500 (12.70)	NA	0.185 (0.276)	50 +/-2 66	30.8 (101.1)	5,000	-40 +158 (-40 +70)	.05-3 GHz Swept	Non-Water blocked M17/135-00003
M17/135-00005	17-202-88	AA-7559	SC 0.081 (2.06)	PE 0.285 (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)	.05-3 GHz Swept	Water blocked Non-Halogen, Low smoke M17/135-00003
M17/135-00006	17-202-88	AA-7560	SC 0.081 (2.06)	PE 0.285 (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)	.05-3 GHz Swept	Non-Water blocked Non-Halogen, Low smoke M17/135-00004
M17/136-00001	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	High Temperature M17/94-RG179
M17/137-00001	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 +446 (-55 +230)	3 GHz UnSwept	High Temperature M17/95-RG180
M17/138-00001	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 +446 (-55 +230)	0.50-3 GHz Swept	High Temperature M17/113-RG316
M17/139-00001	17-359-84	AA-3831	SCBeCu 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 +446 (-55 +230)	3 GHz UnSwept	High Strength M17/95-RG180

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/151-00001	17-543-90	AA-5023	SCCS 0.0113 (0.29)	PTFE 0.037 (0.94)	BC Tube 0.047 (1.19)	None	NA	0.0045 (0.0067)	50 +/- 2.5 69.5	29.4 (96.5)	1,000	-40 +212 (-40 +100)	0.50-20 GHz Swept	.047" Semirigid
M17/151-00002	17-543-90	AA-5024	SCCS 0.0113 (0.29)	PTFE 0.037 (0.94)	TC Tube 0.047 (1.19)	None	NA	0.0048 (0.007)	50 +/- 2.5 69.5	29.4 (96.5)	1,000	-40 +212 (-40 +100)	0.50-20 GHz Swept	Tinplated M17/151-00001
M17/152-00001	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)	.05-12.4 GHz Swept	Double Shielded M17/113-RG316
M17/153-00001	No QPL'd Source	NA	SCCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38SC:38SC 0.096 (2.44)	PVC-IIA 0.114 (2.90)	NA	0.0300 (0.045)	50 +/- 2 66	30.8 (101.1)	1,500	-40 +185 (-40 +85)	.05-12.4 GHz Swept	Canceled. Use M17/152-00001
M17/154-00001	17-544-90	AA-5025	SCCS 0.0080 (0.20)	PTFE 0.026 (0.66)	BC Tube 0.034 (0.86)	None	NA	0.0026 (0.0031)	50 +/- 3 69.5	29.4 (96.5)	750	-40 +212 (-40 +100)	0.50-20 GHz Swept	.034" Semirigid
M17/154-00002	17-544-90	AA-5026	SCCS 0.008 (0.20)	PTFE 0.026 (0.66)	TC Tube 0.034 (0.86)	None	NA	0.0028 (0.0042)	50 +/- 2	29.4 (96.5)	750	-40 +212 (-40 +100)	0.50-20 GHz Swept	Tinplated M17/154-00001
M17/155-00001	17-304-83	AA-4636	TC19/.0072 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.139 (3.53)	PVC-IIA 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	Use M17/197-00001 LS/LT Jacket
M17/156-00001	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	Unswept M17/52-RG119
M17/157-00001	17-305-83	AA-4638	TC 27/.005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.1190 (3.02)	PVC-IIA 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	Use M17/198-00001 LS/LT Jacket
M17/158-00001	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	Unswept M17/60-RG142
M17/159-00001	17-598-81	AA-4640	SC 7/.0315 0.0940 (2.39)	PTFE 0.285 (7.24)	34SC 0.3140 (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	Unswept M17/65-RG165
M17/160-00001	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	Use: M17/212-00001 LS/LT Jacket
M17/161-00001	No QPL'd Source	NA	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	Unswept M17/72-RG211
M17/161-00002	No QPL'd Source	NA	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	Armored M17/161-00001
M17/162-00001	17-1104-85	AA-4653	SC .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	Use M17/199-00001 LS/LT Jacket
M17/163-00001	17-804-77	AA-4643	BC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.1110 (0.165)	50 +/- 2 66	30.8 (101.1)	5,000	-40 +185 (-40 +85)	400 MHz UnSwept	Unswept M17/74-RG213
M17/164-00001	17-804-77	AA-4645	SC 7/.0296 0.0888 (2.26)	PE 0.2850 (7.24)	34SC:34SC 0.398 (10.11)	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	Use M17/214-00001 LS/LT Jacket
M17/164-00002	17-984-85	AA-4646	SC 7/.0296 0.0888 (2.26)	PE 0.285 (7.24)	34SC:34SC 0.398 (10.11)	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	Unswept M17/75-RG365
M17/165-00001	17-1102-85	AA-4647	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	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	Use M17/215-00001 LS/LT Jacket
M17/165-00002	17-1102-85	AA-6544	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	PVC-IIA 0.545 (13.84)	Alum. Braid 0.615 (15.62)	0.310 (0.462)	50 +/- 2 66	30.8 (101.1)	7,000	-40 +185 (-40 +85)	400 MHz UnSwept	Armored M17/215-00001
M17/166-00001	17-1102-85	AA-4648	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)	400 MHz UnSwept	Use M17/216-00001 LS/LT Jacket

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/167-00001	17-303-83	AA-4649	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)	400 MHz UnSwept	Unswept M17/84-RG223 Use M17/200-00001 LS/LT Jacket
M17/168-00001	17-598-81	AA-4650	SC 7/.028 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	29.0 (95.1)	5,000	-67 +392 (-55 +200)	400 MHz UnSwept	Unswept M17/92-RG115
M17/168-00002	17-598-81	AA-6306	SC 7/.028 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)	400 MHz UnSwept	FEP Jacketed Unswept M17/92-RG115
M17/169-00001	17-666-84	AA-4651	SCCS 7/.004 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)	400 MHz UnSwept	Unswept M17/93-RG178
M17/170-00001	17-811-77	AA-4652	SCCS 0.037 (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	Unswept M17/111-RG303
M17/171-00001	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	Unswept M17/112-RG304
M17/172-00001	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	Unswept M17/113-RG316
M17/173-00001	17-813-77	AA-4655	CCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.078 (1.98)	PVC-IIA 0.110 (2.79)	NA	0.0095 (0.014)	50 +/-2 66	30.8 (101.1)	1,500	-40 +185 (-40 +85)	400 MHz UnSwept	Use M17/217-00001 LS/LT Jacket
M17/174-00001	17-429-84	AA-4656	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)	400 MHz UnSwept	Unswept M17/127-RG393
M17/175-00001	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	Unswept M17/128-RG400
M17/176-00002	Non-QLP'd	AA-5127	2C:SPA 19/.005 0.0235 (0.60)	PTFE 0.042 (1.07)	38SCBeCu 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	No QPL'd Source	NA	2C:SPA 19/005 0.0235 (0.60)	ETFE 0.042 (1.07)	38SCBeCu 0.102 (2.59)	PFA,FEP, ETFE,ETCFE 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	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 +/-3 69.5	15.4 (50.5)	1,500	-67 +392 (-55 +200)	3 GHz UnSwept	Use up to 3000 MHz maximum
M17/178-00001	No QPL'd Source	NA	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	Use up to 3000 MHz maximum
M17/179-00001	No QPL'd Source	NA	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	Use up to 3000 MHz maximum
M17/180-00001	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	Non-halogen Low smoke M17/2-RG6
M17/181-00001	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	Non-halogen Low smoke M17/6-RG11
M17/181-00002	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	Armored M17/181-00001
M17/182-00001	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 0.405 (10.67)	NA	0.142 (0.212)	95 +/-5 66	16.3 (53.5)	1,000	-22 +176 (-30 +80)	200 MHz UnSwept	Non halogen Low smoke M17/15-RG22
M17/182-00002	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	Armored M17/182-00001
M17/183-00001	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)	0.05-1 GHz Swept	Non-halogen Low smoke M17/28-RG58

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/184-00001	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	Non-halogen Low smoke M17/29-RG59
M17/185-00001	17-05-92	AA-7283	CCS 0.0253 (0.64)	Air spaced PE 0.146 (3.71)	34BC 0.175 (4.45)	XLPE 0.242 (6.15)	NA	0.042 (0.063)	93 +/-5 81	13.5 (44.3)	750	-22 +176 (-30 +80)	1 GHz UnSwept	Non-halogen Low smoke M17/30-RG62
M17/186-00001	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)	75 +/-3 68	19.6 (64.3)	1,000	-22 +176 (-30 +80)	10 MHz UnSwept	Non-halogen Low smoke M17/45-RG108
M17/187-00001	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)	0.05-1 GHz Swept	Non-halogen Low smoke M17/54-RG122
M17/188-00001	17-05-92	AA-7286	SC 0.0556 (1.41)	PE 0.185 (2.44)	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)	0.05-11 GHz Swept	Non-halogen Low smoke M17/73-RG212
M17/189-00001	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)	0.05-1GHz Swept	Non-halogen Low smoke M17/74-RG213
M17/189-00002	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)	0.05-1 GHz Swept	Armored M17/189-00001
M17/190-00001	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)	0.05-11 GHz Swept	Non-halogen Low smoke M17/75-RG214
M17/191-00001	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	Non-halogen Low smoke M17/77-RG216
M17/192-00001	17-05-92	AA-7291	BC 0.106 (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)	0.05-3 GHz Swept	Non-halogen Low smoke M17/78-RG217
M17/192-00002	17-95-94	AA-8111	BC 0.106 (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)	0.05-3 GHz Swept	M17/192-00001 with temperature cycling
M17/193-00001	17-05-92	AA-7292	BC 0.195 (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)	0.05-1 GHz Swept	Non-halogen Low smoke M17/79-RG218
M17/193-00002	17-05-92	AA-7293	BC 0.195 (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)	0.05-1 GHz Swept	Armored M17/193-00001
M17/194-00001	17-05-92	AA-7294	SC 0.0350 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.160 (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)	0.04-12.4 GHz Swept	Non-halogen Low smoke M17/84-RG223
M17/195-00001	17-05-92	AA-7295	CCS 0.0253 (0.64)	Air Space PE 0.146 (3.71)	34BC:34TC 0.198 (5.03)	XLPE 0.245 (2.79)	NA	0.053 (0.079)	93 +/-5 85	13.5 (44.3)	750	-22 +176 (-30 +80)	1 GHz UnSwept	Non-halogen Low smoke M17/90-RG71
M17/196-00001	17-05-92	AA7296	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)	0.05-1 GHz Swept	Non-halogen Low smoke M17/119-RG174
M17/197-00001	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)	1,500	-22 +176 (-30 +80)	400 MHz UnSwept	Non-halogen Low Smoke M17/155-00001
M17/198-00001	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	Non-halogen Low smoke M17/157-00001
M17/199-00001	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	Non-halogen Low smoke M17/162-00001
M17/200-00001	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	Non-halogen Low smoke M17/167-00001
M17/201-00001	No QPL'd Source	NA	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	Single Shield Data Bus Cable

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/201-00002	No QPL'd Source	NA	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	Single Shield Data Bus Cable
M17/201-00003	No QPL'd Source	NA	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	Single Shield Data Bus Cable
M17/202-00001	No QPL'd Source	NA	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	Single Shield Data Bus Cable
M17/203-00001	No QPL'd Source	NA	2C:SPA 19/.005 0.0248 (0.63)	XLETFE 0.048 (1.22)	38TC:38TC Mu Metal Interlayer .140" (3.56)	XLETFE 0.161 (4.09)	NA	0.0291 (0.043)	77 +/-5 66	30.0 (98.4)	600	-85 +302 (-65+150)	1 MHz UnSwept	Single Shield Data Bus Cable
M17/204-00001	Assigned but not used	NA					NA							
M17/205-00018	No QPL'd Source	NA	SC 0.0298 (0.76)	LDTFE 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)	0.05-18 GHz Swept	Consider: TFlex 405 or TFlex 402
M17/205-00050	No QPL'd Source	NA	SC 0.0298 (0.76)	LDTFE 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)	0.05-50 GHz Swept	Consider TFlex 405 or TFlex 402
M17/206-00018	No QPL'd Source	NA	SC 0.0365 (0.93)	PTFE 0.117 (2.97)	SC Strip-Al Kptn 38SC: .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)	0.05-18 GHz Swept	Consider: SF-142
M17/206-00030	No QPL'd Source	NA	SC 0.0365 (0.93)	PTFE 0.117 (2.97)	SC Strip-Al Kptn 38SC: .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)	0.05-30 GHz Swept	Consider: SF-142
M17/207-00001	Assigned but not used	NA												
M17/208-00001	No QPL'd Source	NA	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)	1GHz UnSwept	Non halogen Low smoke M17/47-RG114
M17/209-00001	No QPL'd Source	NA	BCCS 0.1054 (2.68)	PE 0.680 (17.27)	30BC 0.726 (18.44)	XLPE 0.670 (22.10)	NA	0.505 (0.752)	75 +/-3 66	22.0 (72.2)	10,000	-40 +176 (-40 +80)	1GHz UnSwept	Non halogen Low smoke M17/64-RG164
M17/210-00001	17-05-92	AA-3404	BC 0.195 (4.95)	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)	1GHz UnSwept	Non halogen Low smoke M17/67-RG177
M17/211-00001	17-05-92	AA-8063	TC 7/.0159 0.0477 (1.21)	CPE & 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	Non halogen Low smoke M17/126-RG391
M17/211-00002	17-05-92	AA-8064	BC 7/.0159 0.0477 (1.21)	CPE & PE 0.295 (7.49)	34 TC 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	Armored M17/211-00001
M17/212-00001	17-05-92	AA-8065	BC 0.195 (4.95)	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	Non halogen Low smoke M17/160-00001
M17/213-00001	17-05-92	AA-8066	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	32.2 (105.6)	5,000	-40 +176 (-40 +80)	400 MHz UnSwept	Non halogen Low smoke M17/163-00001
M17/214-00001	17-05-92	AA-8067	SC 7/.0296 0.888 (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	32.2 (105.6)	7,000	-40 +176 (-40 +80)	400 MHz UnSwept	Non halogen Low smoke M17/164-00001
M17/215-00001	17-05-92	AA-8068	BC 0.1060 (2.69)	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	Non halogen Low smoke M17/165-00001
M17/216-00001	17-05-92	AA-8069	BC 0.195 (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	32.2 (105.6)	11,000	-40 +176 (-40 +80)	400 MHz UnSwept	Non halogen Low smoke M17/166-00001
M17/217-00001	17-05-92	AA-8070	BCCS 7/.0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 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	Non halogen Low smoke M17/173-00001

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part No.	M17 QPL	TMS Part No.	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (kg/m)	Impedance ohms Vp (%)	Capacitance pF/ft (pF/m)	Max Oper. Voltage vrms	Temp. Range F (C)	M17 Test Frequency	Comments
M17/218-00001	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	Non halogen Low smoke M17/31-RG63
M17/218-00002	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 (.206)	125 +/-6 86	11.0 (36.1)	750	-40 +176 (-40 +80)	1 GHz UnSwept	Armored M17/218-00001
M17/219-00001	Proposed Spec	NA	SCCS 0.0232 (0.59)	PTFE 0.076 (1.93)	BC Tube 0.096 (2.44)	None	NA	0.015 (0.022)	50 +/-1 59.5	32.0 -105	1,700	-40 +257 (-40 +125)	0.50-50 GHz Swept	Proposed Spec
M17/220-00001	17-041-99	AA-8469	BC 0.044 (1.12)	Foam PE 0.116 (2.95)	36TC: Al Tape 0.144 (3.66)	XLPE 0.195 (4.95)	NA	0.037 (0.055)	50 +/-2 83	24.5 (80.4)	1,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/220-00002	17-041-99	AA-8897	BC 0.044 (1.12)	Foam PE 0.116 (2.95)	36TC: Al Tape 0.144 (3.66)	XLPE 0.195 (4.95)	Alum. Braid 0.265 (6.73)	0.051 (0.076)	50 +/-2 83	24.5 (80.4)	1,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/220-00001
M17/221-00001	17-041-99	AA-8470	BC 0.056 (1.42)	Foam PE 0.150 (3.81)	36TC: Al Tape 0.178 (4.52)	XLPE 0.242 (6.15)	NA	0.051 (0.076)	50 +/-2 84	24.2 (79.4)	1,500	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/221-00002	17-041-99	AA-8898	BC 0.056 (1.42)	Foam PE 0.150 (3.81)	36TC: Al Tape 0.178 (4.52)	XLPE 0.242 (6.15)	Alum. Braid 0.312 (7.92)	0.066 (0.098)	50 +/-2 84	24.2 (79.4)	1,500	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/221-00001
M17/222-00001	17-041-99	AA-8681	BC 0.070 (1.78)	Foam PE 0.190 (4.83)	34TC: Al Tape 0.225 (5.72)	XLPE 0.300 (7.62)	NA	0.087 (0.130)	50 +/-2 85	24.1 (79.1)	2,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/222-00002	17-041-99	AA-8899	BC 0.070 (1.78)	Foam PE 0.190 (4.83)	34TC: Al Tape 0.225 (5.72)	XLPE 0.300 (7.62)	Alum. Braid 0.370 (9.40)	0.105 (0.158)	50 +/-2 85	24.1 (79.1)	2,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/222-00001
M17/223-00001	17-041-99	AA-8471	BCCAl 0.108 (2.74)	Foam PE 0.285 (7.24)	34TC: Al Tape 0.320 (8.13)	XLPE 0.405 (10.29)	NA	0.114 (0.170)	50 +/-2 85	23.9 (78.4)	3,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/223-00002	17-041-99	AA-8900	BCCAl 0.108 (2.74)	Foam PE 0.285 (7.24)	34TC: Al Tape 0.320 (8.13)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.140 (0.209)	50 +/-2 85	23.9 (78.4)	3,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/223-00001
M17/224-00001	17-041-99	AA-8472	BCCAl 0.142 (3.61)	Foam PE 0.370 (9.40)	30TC: Al Tape 0.409 (10.39)	XLPE 0.500 (12.70)	NA	0.132 (0.197)	50 +/-2 86	23.6 (77.4)	4,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/224-00002	17-041-99	AA-8901	BCCAl 0.142 (3.61)	Foam PE 0.370 (9.40)	34TC: Al Tape 0.409 (10.39)	XLPE 0.500 (12.70)	Alum. Braid 0.570 (14.48)	0.163 (0.243)	50 +/-2 86	23.6 (77.4)	4,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/224-00001
M17/225-00001	17-041-99	AA-8473	BCCAl 0.176 (4.47)	Foam PE 0.455 (11.56)	34TC: Al Tape 0.490 (12.45)	XLPE 0.590 (14.99)	NA	0.168 (0.250)	50 +/-2 87	23.4 (76.8)	5,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/225-00002	17-041-99	AA-8902	BCCAl 0.176 (4.47)	Foam PE 0.455 (11.56)	34TC: Al Tape 0.490 (12.45)	XLPE 0.590 (14.99)	Alum. Braid 0.665 (16.89)	0.204 (0.304)	50 +/-2 87	23.4 (76.8)	5,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/225-00001
M17/226-00001	17-041-99	AA-8474	BC Tube 0.262 (6.65)	Foam PE 0.680 (17.27)	30TC: Al Tape 0.732 (18.59)	XLPE 0.870 (22.10)	NA	0.375 (0.559)	50 +/-2 87	23.4 (76.8)	7,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/226-00002	17-041-99	AA-8903	BC Tube 0.262 (6.65)	Foam PE 0.680 (17.27)	30TC: Al Tape 0.732 (18.59)	XLPE 0.870 (22.10)	Alum. Braid 0.945 (24.00)	0.427 (0.636)	50 +/-2 87	23.4 (76.8)	7,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/226-00001
M17/227-00001	17-041-99	AA-8475	BC Tube 0.349 (8.86)	Foam PE 0.920 (23.37)	30TC: Al Tape 0.972 (24.69)	XLPE 1.200 (30.48)	NA	0.686 (1.022)	50 +/-2 88	23.1 (75.8)	8,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/227-00002	17-041-99	AA-8904	BC Tube 0.349 (8.86)	Foam PE 0.920 (23.37)	30TC: Al Tape 0.972 (24.69)	XLPE 1.200 (30.48)	Alum. Braid 1.300 (33.02)	0.758 (1.129)	50 +/-2 88	23.1 (75.8)	8,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/227-00001
M17/228-00001	17-041-99	AA-8476	BC Tube 0.527 (13.39)	Foam PE 1.350 (34.29)	30TC: Al Tape 1.401 (35.59)	XLPE 1.670 (42.42)	NA	1.05 (1.564)	50 +/-2 89	22.8 (74.8)	10,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Non-halogen Low smoke Low loss
M17/228-00002	17-041-99	AA-8905	BC Tube 0.527 (13.39)	Foam PE 1.350 (34.29)	30TC: Al Tape 1.401 (35.59)	XLPE 1.670 (42.42)	Alum. Braid 1.300 (33.02)	1.13 (1.683)	50 +/-2 89	22.8 (74.8)	10,000	-22 +185 (-30 +85)	0.05-2.5 GHz Swept	Armored M17/228-00001

MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (w) 400 MHz
M17/2-RG6	75	0.332	32.2	1.05	3000	0.256	0.00126	2.7	-	5.6	6.5	9.4	-	17.8	23.0	-	-	-	-	-
M17/6-RG11	75	0.405	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	9.4	-	-	-	-	-	-	290
M17/6-RG12	75	0.463	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	9.4	-	-	-	-	-	-	290
M17/15-RG22	95	0.420	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	-	8.0	-	-	-	-	-	-	-	-
M17/15-RG111	95	0.478	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	-	8.0	-	-	-	-	-	-	-	-
M17/16-RG23	125	0.945	1.84	1.06	400	0.150	0.00126	1.6	-	3.5	5.2	6.0	-	-	-	-	-	-	-	-
M17/16-RG24	125	1.003	1.84	1.06	400	0.150	0.00126	1.6	-	3.5	5.2	6.0	-	-	-	-	-	-	-	-
M17/24-RG34	75	0.630	2.47	1.24	400	0.131	0.00126	1.4	-	3.1	3.8	5.4	-	-	-	-	-	-	-	680
M17/28-RG58	50	0.195	10.90	4.11	1000	0.444	0.00126	4.6	6.5	9.4	17.0	15.3	28.0	-	-	-	-	-	-	90
M17/29-RG59	75	0.242	51.3	2.57	1000	0.320	0.00126	3.3	-	6.9	9.0	11.4	16.0	-	-	-	-	-	-	130
M17/30-RG62	93	0.242	40.9	2.57	1000	0.277	0.00074	2.8	-	5.8	8.0	9.5	13.0	-	-	-	-	-	-	-
M17/31-RG63	125	0.405	40.9	1.20	400	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M17/31-RG79	125	0.475	40.9	1.20	400	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M17/45-RG108	78	0.235	9.70	5.24	10	0.325	0.00126	3.4	-	7.0	-	11.5	-	-	-	-	-	-	-	-
M17/47-RG114	185	0.405	534	1.52	400	0.342	0.00066	3.5	-	7.1	8.5	11.5	-	-	-	-	-	-	-	-
M17/52-RG119	50	0.465	1.01	0.94	3000	0.136	0.00120	1.5	2.1	3.2	4.4	5.5	7.6	11.0	13.0	-	-	-	-	2600
M17/52-RG120	50	0.525	1.01	0.94	3000	0.136	0.00120	1.5	2.1	3.2	4.4	5.5	7.6	11.0	13.0	-	-	-	-	2600
M17/52-00001	50	0.465	1.01	0.94	1000	0.136	0.00120	1.5	2.1	3.2	4.4	5.5	7.6	11.0	13.0	-	-	-	-	2600
M17/54-RG122	50	0.160	15.9	4.83	1000	0.498	0.00126	5.1	8.2	10.5	18.0	17.0	30.0	-	-	-	-	-	-	62
M17/56-RG130	95	0.625	1.84	0.70	200	0.114	0.00126	1.3	-	2.8	8.8	4.9	-	-	-	-	-	-	-	-
M17/56-RG131	95	0.710	1.84	0.70	200	0.114	0.00126	1.3	-	2.8	8.8	4.9	-	-	-	-	-	-	-	-
M17/60-RG142	50	0.195	19.1	2.22	8000	0.368	0.00120	3.8	5.5	7.8	11.7	12.8	19.0	23.8	35.0	32.0	48.0	-	-	1100
M17/62-RG144	75	0.410	12.2	1.64	3000	0.188	0.00120	2.0	-	4.2	4.5	7.1	-	13.9	18.0	-	-	-	-	-
M17/64-RG35	75	0.945	0.96	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M17/64-RG164	75	0.870	0.96	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M17/65-RG165	50	0.410	1.51	2.82	3000	0.182	0.00120	1.9	2.1	4.1	4.6	7.0	8.0	13.6	15.0	-	-	-	-	2700
M17/65-RG166	50	0.470	1.51	2.82	3000	0.182	0.00120	1.9	2.1	4.1	4.6	7.0	8.0	13.6	15.0	-	-	-	-	2700
M17/67-RG177	50	0.895	0.28	0.30	5600	0.074	0.00126	0.9	1.0	2.0	2.6	3.6	5.0	7.8	15.0	11.5	25.0	-	-	1600
M17/72-RG211	50	0.730	0.28	0.47	1000	0.072	0.00120	0.8	0.85	1.9	2.3	3.5	4.5	-	-	-	-	-	-	11000
M17/73-RG212	50	0.332	3.40	1.04	11000	0.250	0.00126	2.6	3.0	5.5	6.5	9.2	12.0	17.5	24.0	24.0	34.0	40.1	73.0	400
M17/74-RG213	50	0.405	1.71	1.20	1000	0.191	0.00126	2.0	2.3	4.3	4.8	7.3	9.0	-	-	-	-	-	-	320
M17/74-RG215	50	0.475	1.71	1.20	1000	0.191	0.00126	2.0	2.3	4.3	4.8	7.3	9.0	-	-	-	-	-	-	320
M17/75-RG214	50	0.425	1.71	1.31	11000	0.190	0.00126	2.0	2.6	4.3	6.8	7.3	12.0	14.2	28.0	19.7	35.0	33.8	54.0	330
M17/75-RG365	50	0.425	1.71	1.31	11000	0.190	0.00126	2.0	2.6	4.3	6.8	7.3	12.0	14.2	28.0	19.7	35.0	33.8	54.0	330
M17/77-RG216	75	0.425	6.10	0.77	3000	0.203	0.00126	2.2	-	4.6	6.5	7.7	-	14.9	23.0	-	-	-	-	270
M17/78-RG217	50	0.545	0.93	0.60	3000	0.127	0.00126	1.4	1.6	3.0	3.7	5.3	7.0	10.7	14.0	-	-	-	-	470
M17/78-00001	50	0.545	0.93	0.60	3000	0.127	0.00126	1.4	1.6	3.0	3.7	5.3	7.0	10.7	14.0	-	-	-	-	470
M17/79-RG218	50	0.870	0.28	0.35	1000	0.069	0.00126	0.8	1.0	1.9	2.8	3.4	5.0	-	-	-	-	-	-	1200
M17/79-RG219	50	0.945	0.28	0.35	1000	0.069	0.00126	0.8	1.0	1.9	2.8	3.4	5.0	-	-	-	-	-	-	1200
M17/81-00001	50	1.120	0.15	0.27	400	0.052	0.00126	0.6	-	1.5	2.3	2.9	-	-	-	-	-	-	-	-
M17/81-00002	50	1.195	0.15	0.27	400	0.052	0.00126	0.6	-	1.5	2.3	2.9	-	-	-	-	-	-	-	-
M17/84-RG223	50	0.212	8.60	2.22	12400	0.384	0.00126	4.0	6.5	8.2	12.0	13.4	21.0	24.8	40.0	33.5	55.0	54.1	84.0	86
M17/86-00001	50	0.430	1.54	1.31	400	0.182	0.00120	1.9	-	4.1	5.0	7.0	-	-	-	-	-	-	-	-
M17/86-00002	50	0.490	1.54	1.31	400	0.182	0.00120	1.9	-	4.1	5.0	7.0	-	-	-	-	-	-	-	-
M17/87-00001	50	0.500	0.85	0.86	400	0.140	0.00120	1.5	-	3.3	3.8	5.6	-	-	-	-	-	-	-	-
M17/90-RG71	93	0.245	40.9	1.54	1000	0.277	0.00074	2.8	-	5.8	8.0	9.5	-	-	-	-	-	-	-	-
M17/92-RG115	50	0.344	1.91	1.34	12400	0.203	0.00120	2.2	2.5	4.5	5.7	7.6	9.8	14.7	23.0	20.4	34.0	34.5	58.0 @12.4 GHz	2600
M17/92-00001	50	0.415	1.91	1.34	12400	0.203	0.00120	2.2	2.5	4.5	5.7	7.6	9.8	14.7	23.0	20.4	34.0	34.5	58.0 @12.4 GHz	2600
M17/93-RG178	50	0.071	234	14.42	3000	1.365	0.00120	13.8	16.0	27.8	33.0	44.4	52.0	78.4	94.0	-	-	-	-	110
M17/93-00001	50	0.071	234	14.42	3000	1.365	0.00120	13.8	16.0	27.8	33.0	44.4	52.0	78.4	94.0	-	-	-	-	110
M17/94-RG179	75	0.100	234	8.49	400	0.800	0.00120	8.1	-	16.5	21.0	26.5	-	-	-	-	-	-	-	-
M17/95-RG180	95	0.141	234	6.43	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M17/97-RG210	93	0.242	40.9	2.57	400	0.277	0.00074	2.8	-	5.8	8.0	9.5	-	-	-	-	-	-	-	-
M17/100-RG133	95	0.405	16.4	1.18	400	0.208	0.00126	2.2	-	4.7	5.7	7.8	-	-	-	-	-	-	-	-
M17/109-RG301	50	0.245	8.00	3.00	3000	0.335	0.00120	3.5	-	7.2	-	11.8	70.0	-	116.0	-	-	-	-	-
M17/110-RG302	75	0.202	40.9	2.87	3000	0.305	0.00120	3.2	-	6.6	8.0	10.8	-	20.3	26.0	-	-	-	-	-
M17/111-RG303	50	0.170	19.1	4.17	3000	0.368	0.00120	3.8	3.9	7.8	8.6	12.8	15.0	23.8	28.0	-	-	-	-	1100
M17/112-RG304	50	0.280	7.5	1.19	12000	0.241	0.00120	2.5	2.7	5.3	6.4	8.8	11.1	16.8	22.0	23.0	30.0	-	-	1450
M17/113-RG316	50	0.098	83.3	8.46	3000	0.787	0.00120	8.0	10.5	16.2	21.0	26.1	38.0	46.7	58.0	-	-	-	-	210
M17/116-RG307	75	0.265	0.66	1.24	400	0.260	0.00050	2.7	-	5.4	7.5	8.7	-	-	-	-	-	-	-	-
M17/119-RG174	50	0.110	94.3	10.93	1000	0.826	0.00126	8.4	10.0	17.0	25.0	27.4	45.0	-	-	-	-	-	-	26
M17/126-RG391	72	0.405	6.10	2.47	400	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-
M17/126-RG392	72	0.475	6.10	2.47	400	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-

MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (w) 400 MHz
M17/127-RG393	50	0.390	1.54	1.31	11000	0.191	0.00120	2.0	2.4	4.3	5.0	7.2	8.8	14.1	18.0	19.5	24.0	33.2	37.0	1900
M17/128-RG400	50	0.195	8.6	2.22	12400	0.426	0.00120	4.4	4.5	9.0	10.5	14.7	17.0	26.9	38.0	36.1	50.0	57.9	78.0	1050
M17/129-RG401	50	0.250	2.55	0.45	18000	0.178	0.00120	1.9	-	4.0	4.5	6.8	7.5	13.3	16.0	18.6	22.0	31.9	33.0	1900
M17/129-00001	50	0.250	2.55	0.45	18000	0.178	0.00120	1.9	-	4.0	4.5	6.8	7.5	13.3	16.0	18.6	22.0	31.9	33.0	1900
M17/130-RG402	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00001	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00002	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/130-00003	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/130-00004	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00005	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00006	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/130-00007	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/130-00008	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	7.2	8.0 @500 MHz	11.8	12.0	22.0	21.0	NA	29.0	48.4	45.0 @10 MHz	660
M17/130-00009	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	7.2	8.0 @500 MHz	11.8	12.0	22.0	21.0	NA	29.0	48.4	45.0 @10 MHz	660
M17/130-00010	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	12.6	14.0 @500 MHz	18.7	19.0	32.6	31.0	39.9	39.0	56.2	52.0 @10 MHz	660
M17/130-00011	50	0.141	20.00	1.32	20000	0.336	0.00120	3.5	-	12.6	14.0 @500 MHz	18.7	19.0	32.6	31.0	39.9	39.0	56.2	52.0 @10 MHz	660
M17/130-00012	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	6.8	8.0 @500 MHz	11.2	12.0	20.9	21.0	28.3	29.0	46.3	45.0 @10 MHz	660
M17/130-00013	50	0.141	20.00	1.32	20000	0.316	0.00120	3.3	-	11.9	14.0 @500 MHz	17.7	19.0	30.9	31.0	38.0	39.0	53.8	52.0 @10 MHz	660
M17/131-RG403	50	0.116	234	4.89	10000	1.365	0.00120	13.8	13.0	27.8	29.0	44.4	50.0	78.4	94.0	102.5	120.0	156.4	150.0	95
M17/132-00001	50	0.071	234	14.42	10000	1.365	0.00200	13.9	-	28.1	33.0	45.2	NA	NA	NA	NA	NA	NA	NA	90
M17/133-RG405	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00001	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00002	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00003	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00004	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/133-00005	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/133-00006	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00007	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00008	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00009	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00010	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/133-00011	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/133-00012	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	12.6	15.0 @500 MHz	20.4	22.0	49.7	37.0	63.5	50.0	76.8	80.0 @10 MHz	210
M17/133-00013	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	12.6	15.0 @500 MHz	20.4	22.0	49.7	37.0	63.5	50.0	76.8	80.0 @10 MHz	210
M17/133-00014	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	21.0	25.0 @500 MHz	31.4	34.0	49.7	50.0	63.5	65.0	76.8	90.0 @10 MHz	210

MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (w) 400 MHz
M17/133-00015	50	0.0865	64.8	2.68	20000	0.606	0.00120	6.2	-	21.0	25.0 @500 MHz	31.4	34.0	49.7	50.0	63.5	65.0	76.8	90.0 @10 MHz	210
M17/133-00016	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	11.9	15.0 @500 MHz	19.2	22.0	34.8	37.0	46.2	50.0	72.9	80.0 @10 MHz	210
M17/133-00017	50	0.0865	64.8	2.68	20000	0.569	0.00120	5.8	-	19.8	25.0 @500 MHz	29.6	34.0	46.9	50.0	60.1	65.0	72.9	90.0 @10 MHz	210
M17/134-00001	50	0.245	9.6	2.78	3000	0.380	0.00126	3.9	6.0	8.1	15.0	13.3	26.0	24.6	60.0	-	-	53.7	-	60
M17/134-00002	50	0.245	9.6	2.78	3000	0.380	0.00126	3.9	6.0	8.1	15.0	13.3	26.0	24.6	60.0	-	-	-	-	60
M17/134-00003	50	0.245	9.6	2.78	3000	0.380	0.00126	3.9	6.0	8.1	15.0	13.3	26.0	24.6	60.0	-	-	-	-	60
M17/134-00004	50	0.245	9.6	2.78	3000	0.380	0.00126	3.9	6.0	8.1	15.0	13.3	26.0	24.6	60.0	-	-	-	-	60
M17/135-00001	50	0.500	1.71	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00002	50	0.500	1.71	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00003	50	0.500	1.60	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00004	50	0.500	1.60	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00005	50	0.500	1.60	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/135-00006	50	0.500	1.60	0.66	3000	0.190	0.00126	2.0	2.5	4.3	6.0	7.3	11.0	14.2	22.0	-	-	-	-	350
M17/136-00001	75	0.100	234	8.49	400	0.800	0.00120	8.1	-	16.5	15.8	26.5	-	-	-	-	-	-	-	-
M17/137-00001	95	0.141	234	6.43	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M17/138-00001	50	0.098	83.3	8.46	3000	0.787	0.00120	8.0	11.0	16.2	21.0	26.1	38.0	46.7	58.0	-	-	-	-	220
M17/139-00001	95	0.141	374	8.05	3000	0.615	0.00120	6.3	8.8	12.8	17.0	20.6	29.0	-	-	-	-	-	-	-
M17/151-00001	50	0.047	205	12.35	20000	1.014	0.00120	10.3	-	20.8	25.0	33.3	40.0	59.1	70.0	77.7	90.0	119.5	130.0	52
M17/151-00002	50	0.047	205	12.35	20000	1.014	0.00120	10.3	-	20.8	25.0	33.3	40.0	59.1	70.0	77.7	90.0	119.5	130.0	52
M17/152-00001	50	0.114	83.3	3.93	12400	0.787	0.00120	8.0	11.5	16.2	24.0	26.1	40.0	46.7	75.0	61.6	110.0	95.7	170.0	210
M17/153-00001	50	0.114	94.3	3.93	12400	0.787	0.00126	8.0	11.0	16.2	23.0	26.1	40.0	46.9	75.0	61.9	110.0	96.4	170.0	26
M17/154-00001	50	0.034	409	21.60	20000	1.444	0.00120	14.6	-	29.4	37.0	46.9	60.0	82.7	100.0	108.1	140.0	164.6	190.0	16
M17/154-00002	50	0.034	409	21.60	20000	1.444	0.00120	14.6	-	29.4	37.0	46.9	60.0	82.7	100.0	108.1	140.0	164.6	190.0	16
M17/155-00001	50	0.195	10.9	4.11	400	0.444	0.00126	4.6	-	9.4	17.0	15.3	-	-	-	-	-	-	-	90
M17/156-00001	50	0.465	1.01	0.94	400	0.131	0.00120	1.4	-	3.1	4.5	5.3	-	-	-	-	-	-	-	2600
M17/157-00001	50	0.160	15.9	4.11	400	0.498	0.00126	5.1	-	10.5	18.0	17.0	-	-	-	-	-	-	-	62
M17/158-00001	50	0.195	19.1	2.22	400	0.368	0.00120	3.8	-	7.8	9.5	12.8	-	-	-	-	-	-	-	NA
M17/159-00001	50	0.410	1.51	2.82	400	0.182	0.00120	1.9	-	4.1	4.6	7.0	-	-	-	-	-	-	-	2700
M17/160-00001	50	0.895	0.28	0.30	400	0.074	0.00126	0.9	-	2.0	2.7	3.6	-	-	-	-	-	-	-	1600
M17/161-00001	50	0.730	0.28	0.46	400	0.072	0.00120	0.8	-	1.9	2.0	3.5	-	-	-	-	-	-	-	11000
M17/161-00002	50	0.795	0.28	0.46	400	0.072	0.00120	0.8	-	1.9	2.0	3.5	-	-	-	-	-	-	-	11000
M17/162-00001	50	0.332	3.40	1.07	400	0.250	0.00126	2.6	-	5.5	6.5	9.2	-	-	-	-	-	-	-	400
M17/163-00001	50	0.405	1.71	1.20	400	0.191	0.00126	2.0	-	4.3	4.7	7.3	-	-	-	-	-	-	-	NA
M17/164-00001	50	0.425	1.71	1.31	400	0.190	0.00126	2.0	-	4.3	5.5	7.3	-	-	-	-	-	-	-	400
M17/164-00002	50	0.425	1.71	1.31	400	0.190	0.00126	2.0	-	4.3	5.5	7.3	-	-	-	-	-	-	-	400
M17/165-00001	50	0.615	0.93	0.60	400	0.127	0.00126	1.4	-	3.0	3.8	5.3	-	-	-	-	-	-	-	400
M17/165-00002	50	0.545	0.93	0.60	400	0.127	0.00126	1.4	-	3.0	3.8	5.3	-	-	-	-	-	-	-	400
M17/166-00001	50	0.870	0.28	0.35	400	0.069	0.00126	0.8	-	1.9	2.75	3.4	-	-	-	-	-	-	-	1200
M17/167-00001	50	0.212	8.60	2.22	400	0.384	0.00126	4.0	-	8.2	11.5	13.4	-	-	-	-	-	-	-	86
M17/168-00001	50	0.415	1.91	1.34	400	0.203	0.00120	2.2	-	4.5	5.2	7.6	-	-	-	-	-	-	-	2600
M17/168-00002	50	0.344	1.91	1.34	400	0.203	0.00120	2.2	-	4.5	5.2	7.6	-	-	-	-	-	-	-	2600
M17/169-00001	50	0.071	234	14.42	400	1.365	0.00120	13.8	-	27.8	29.0	44.4	-	-	-	-	-	-	-	110
M17/170-00001	50	0.170	19.1	4.17	400	0.368	0.00120	3.8	-	7.8	8.6	12.8	-	-	-	-	-	-	-	1100
M17/171-00001	50	0.280	7.50	1.19	400	0.241	0.00120	2.5	-	5.3	6.4	8.8	-	-	-	-	-	-	-	1450
M17/172-00001	50	0.098	83.3	8.46	400	0.787	0.00120	8.0	-	16.2	21.0	26.1	-	-	-	-	-	-	-	220
M17/173-00001	50	0.110	94.3	10.93	400	0.826	0.00126	8.4	-	17.0	25.0	27.4	-	-	-	-	-	-	-	26
M17/174-00001	50	0.390	1.54	1.31	400	0.191	0.00120	2.0	-	4.3	5.0	7.2	-	-	-	-	-	-	-	1900
M17/175-00001	50	0.195	8.60	2.22	400	0.426	0.00120	4.4	-	9.0	10.5	14.7	-	-	-	-	-	-	-	1050
M17/176-00002	77	0.129	275	14.50	10	0.550	0.00120	0.6	1.4 @1 MHz	NA	-	NA	-	-	-	-	-	-	-	-
M17/176-00003	77	0.125	275	14.50	10	0.550	0.00230	0.6	1.4 @1 MHz	NA	-	NA	-	-	-	-	-	-	-	-
M17/177-00001	95	0.184	234	3.27	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M17/178-00001	95	0.270	234	1.85	400	0.615	0.00120	6.3	-	12.8	17.0	20.6	-	-	-	-	-	-	-	-
M17/179-00001	75	0.195	234	2.79	400	0.800	0.00120	8.1	-	16.5	21.0	26.5	-	-	-	-	-	-	-	-
M17/180-00001	75	0.332	32.2	1.05	3000	0.256	0.00126	2.7	-	5.6	6.5	9.4	-	17.8	23.0	-	-	-	-	-
M17/181-00001	75	0.405	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	-	-	-	-	-	-	-	-
M17/181-00002	75	0.475	6.10	1.18	1000	0.203	0.00126	2.2	-	4.6	5.2	7.7	9.4	-	-	-	-	-	-	-
M17/182-00001	95	0.420	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	6.0 @200MHz	8.0	-	-	-	-	-	-	-	-
M17/182-00002	95	0.490	6.50	0.83	200	0.214	0.00126	2.3	4.0	4.8	-	8.0	-	-	-	-	-	-	-	-

MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft) Center	DC Resist. (ohms/1000 ft) Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Loss Constants Dielectric k2	100 MHz Loss (dB/100) Typical	100 MHz Loss (dB/100) M17 (max)	400 MHz Loss (dB/100) Typical	400 MHz Loss (dB/100) M17 (max)	1000 MHz Loss (dB/100) Typical	1000 MHz Loss (dB/100) M17 (max)	3000 MHz Loss (dB/100) Typical	3000 MHz Loss (dB/100) M17 (max)	5000 MHz Loss (dB/100) Typical	5000 MHz Loss (dB/100) M17 (max)	11000 MHz Loss (dB/100) Typical	11000 MHz Loss (dB/100) M17 (max)	M17 Max Power (w) 400 MHz
M17/183-00001	50	0.195	10.9	4.11	1000	0.444	0.00126	4.6	6.5	9.4	17.0	15.3	28.0	-	-	-	-	-	-	90
M17/184-00001	75	0.242	51.3	2.57	1000	0.320	0.00126	3.3	-	6.9	9.0	11.4	16.0	-	-	-	-	-	-	130
M17/185-00001	93	0.242	40.9	2.57	1000	0.277	0.00074	2.8	-	5.8	8.0	9.5	13.0	-	-	-	-	-	-	-
M17/186-00001	78	0.235	9.70	5.24	10	0.325	0.00126	3.4	-	7.0	2.8	11.5	-	-	-	-	-	-	-	-
M17/187-00001	50	0.160	15.9	4.83	1000	0.498	0.00126	5.1	8.0	10.5	18.0	17.0	30.0	-	-	-	-	-	-	62
M17/188-00001	50	0.332	3.40	1.04	11000	0.250	0.00126	2.6	3.0	5.5	6.5	9.2	12.0	17.5	24.0	24.0	34.0	40.1	54.0	400
M17/189-00001	50	0.405	1.71	1.20	1000	0.191	0.00126	2.0	2.3	4.3	4.8	7.3	9.0	-	-	-	-	-	-	320
M17/189-00002	50	0.475	1.71	1.20	1000	0.191	0.00126	2.0	2.3	4.3	4.8	7.3	9.0	-	-	-	-	-	-	320
M17/190-00001	50	0.425	1.71	1.31	11000	0.190	0.00126	2.0	2.6	4.3	6.8	7.3	12.0	14.2	28.0	19.7	35.0	33.8	56.0	400
M17/191-00001	75	0.425	6.10	0.77	3000	0.203	0.00126	2.2	-	4.6	6.5	7.7	-	14.9	23.0	-	-	-	-	270
M17/192-00001	50	0.545	0.93	0.60	3000	0.127	0.00126	1.4	1.6	3.0	3.7	5.3	7.0	10.7	14.0	-	-	-	-	400
M17/192-00002	50	0.615	0.93	0.60	3000	0.127	0.00126	1.4	1.6	3.0	3.7	5.3	7.0	10.7	14.0	-	-	-	-	400
M17/193-00001	50	0.870	0.28	0.35	1000	0.069	0.00126	0.8	1.0	1.9	2.8	3.4	5.0	-	-	-	-	-	-	1200
M17/193-00002	50	0.945	0.28	0.35	1000	0.069	0.00126	0.8	1.0	1.9	2.8	3.4	5.0	-	-	-	-	-	-	1200
M17/194-00001	50	0.212	8.60	2.22	12400	0.384	0.00126	4.0	6.5	8.2	12.0	13.4	21.0	24.8	40.0	33.5	55.0	54.1	84.0	86
M17/195-00001	93	0.240	40.9	1.54	400	0.277	0.00074	2.8	-	5.8	8.0	9.5	-	-	-	-	-	-	-	135
M17/196-00001	50	0.110	94.3	10.93	1000	0.826	0.00126	8.4	10.0	17.0	25.0	27.4	45.0	-	-	-	-	-	-	26
M17/197-00001	50	0.195	10.9	4.11	400	0.444	0.00126	4.6	-	9.4	17.0	15.3	-	-	-	-	-	-	-	90
M17/198-00001	50	0.160	15.9	4.83	400	0.496	0.00126	5.1	-	10.4	18.0	16.9	-	-	-	-	-	-	-	62
M17/199-00001	50	0.332	3.40	1.19	400	0.250	0.00126	2.6	-	5.5	6.5	9.2	-	-	-	-	-	-	-	400
M17/200-00001	50	0.212	8.60	2.22	400	0.384	0.00126	4.0	-	8.2	11.5	13.4	-	-	-	-	-	-	-	86
M17/201-00001	77	0.137	27.00	6.61	1	0.120	0.00230	1.4	1.4 @ 1 MHz	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/201-00002	77	0.165	15.10	6.91	1	0.080	0.00230	1.0	1.0 @ 1 MHz	2.5	-	4.8	-	-	-	-	-	-	-	-
M17/201-00003	77	0.130	27.00	6.54	1	0.120	0.00230	1.4	1.4 @ 1 MHz	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/202-00001	77	0.147	27.00	4.91	1	0.120	0.00230	1.4	1.4 @ 1 MHz	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/203-00001	77	0.161	27.00	4.91	1	0.120	0.00230	1.4	1.4 @ 1 MHz	3.3	-	6.1	-	-	-	-	-	-	-	-
M17/205-00018	50	0.120	11.8	9.30	18000	0.404	0.00017	4.1	4.1	8.1	8.2	12.9	13.0	22.6	22.9	29.4	31.0	44.2	45.1	-
M17/205-00050	50	0.120	11.8	9.30	50000	0.404	0.00017	4.1	4.1	8.1	8.2	12.9	13.0	22.6	22.9	29.4	31.0	44.2	45.1	-
M17/206-00018	50	0.169	7.9	2.85	18000	0.355	0.00120	3.7	4.3	7.6	9.0	12.4	17.0	23.0	27.0	31.1	38.0	50.4	59.0	-
M17/206-00030	50	0.169	7.9	2.85	30000	0.355	0.00120	3.7	4.3	7.6	9.0	12.4	17.0	23.0	27.0	31.1	38.0	50.4	59.0	-
M17/208-00001	185	0.405	534	1.52	1000	0.342	0.00066	3.5	-	7.1	8.5	11.5	-	-	-	-	-	-	-	-
M17/209-00001	75	0.870	2.36	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M17/209-00002	75	0.945	2.36	0.35	1000	0.071	0.00126	0.8	-	1.9	2.8	3.5	6.0	-	-	-	-	-	-	-
M17/210-00001	50	0.895	0.28	0.35	5600	0.074	0.00126	0.9	1.0	2.0	2.8	3.6	5.0	7.8	16.0	12.6	28.0 @5.6 MHz	NA	NA	1600
M17/211-00001	72	0.405	6.1	2.47	1000	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-
M17/211-00002	72	0.475	6.1	2.47	1000	0.219	0.00136	2.3	-	4.9	15.0	8.3	-	-	-	-	-	-	-	-
M17/212-00001	50	0.895	0.28	0.30	400	0.074	0.00126	0.9	-	2.0	2.7	3.6	-	-	-	-	-	-	-	1600
M17/213-00001	50	0.405	1.71	1.20	400	0.191	0.00126	2.0	-	4.3	4.7	7.3	-	-	-	-	-	-	-	320
M17/214-00001	50	0.425	1.71	1.31	400	0.190	0.00126	2.0	-	4.3	5.5	7.3	-	-	-	-	-	-	-	400
M17/215-00001	50	0.545	0.93	0.60	400	0.127	0.00126	1.4	-	3.0	3.8	5.3	-	-	-	-	-	-	-	400
M17/216-00001	50	0.870	0.28	0.35	400	0.069	0.00126	0.8	-	1.9	2.8	3.4	-	-	-	-	-	-	-	1200
M17/217-00001	50	0.110	94.3	4.11	400	0.826	0.00126	8.4	-	17.0	25.0	27.4	-	-	-	-	-	-	-	26
M17/218-00001	125	0.405	40.9	1.20	1000	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M17/218-00002	125	0.475	40.9	1.20	1000	0.183	0.00075	1.9	-	4.0	5.5	6.5	-	-	-	-	-	-	-	-
M17/219-00001	50	0.096	48.7	3.02	50000	0.494	0.00120	5.1	5.2	10.4	10.5	16.8	17.0	30.7	31.0	40.9	40.0	65.0	62.0	
M17/220-00001	50	0.195	5.40	4.90	2500	0.37753	0.00039	3.8	4.3	7.7	8.7	12.3	14.0	21.8	22.4 @2.5 MHz	-	-	-	-	233
M17/220-00002	50	0.265	5.40	4.90	2500	0.37753	0.00039	3.8	4.3	7.7	8.7	12.3	14.0	21.8	22.4 @2.5 MHz	-	-	-	-	233
M17/221-00001	50	0.242	3.30	3.89	2500	0.28480	0.00039	2.9	3.3	5.9	6.6	9.4	10.7	16.8	17.1 @ 2.5 MHz	-	-	-	-	337
M17/221-00002	50	0.312	3.30	3.89	2500	0.28480	0.00039	2.9	3.3	5.9	6.6	9.4	10.7	16.8	17.1 @2.5 MHz	-	-	-	-	337
M17/222-00001	50	0.300	2.14	2.21	2500	0.22580	0.00044	2.3	2.6	4.7	5.2	7.6	8.4	13.7	13.8 @ 2.5 MHz	-	-	-	-	471
M17/222-00002	50	0.370	2.14	2.21	2500	0.22580	0.00044	2.3	2.6	4.7	5.2	7.6	8.4	13.7	13.8 @2.5 MHz	-	-	-	-	471
M17/223-00001	50	0.405	1.39	1.65	2500	0.14387	0.00031	1.5	1.7	3.0	3.5	4.9	5.7	8.8	9.4 @2.5 MHz	-	-	-	-	750

MIL-C-17 Attenuation and Power Handling

M17 Part Number	Zo (ohms)	Overall Diam. (in.)	DC Resist. (ohms/1000 ft) Center	Outer	M17 Max Freq. (MHz)	Loss Constants Resistive k1	Dielectric k2	100 MHz Loss (dB/100) Typical	M17 (max)	400 MHz Loss (dB/100) Typical	M17 (max)	1000 MHz Loss (dB/100) Typical	M17 (max)	3000 MHz Loss (dB/100) Typical	M17 (max)	5000 MHz Loss (dB/100) Typical	M17 (max)	11000 MHz Loss (dB/100) Typical	M17 (max)	M17 Max Power (w) 400 MHz
M17/223-00002	50	0.475	1.39	1.65	2500	0.14387	0.00031	1.5	1.7	3.0	3.5	4.9	5.7	8.8	9.4 @2.5 MHz	-	-	-	-	750
M17/224-00001	50	0.500	0.81	1.27	2500	0.11364	0.00031	1.2	1.4	2.4	2.8	3.9	4.6	7.1	7.6 @2.5 MHz	-	-	-	-	987
M17/224-00002	50	0.570	0.81	1.27	2500	0.11364	0.00031	1.2	1.4	2.4	2.8	3.9	4.6	7.1	7.6 @2.5 MHz	-	-	-	-	987
M17/225-00001	50	0.590	.524	1.20	2500	0.08888	0.00031	0.9	1.1	1.9	2.2	3.1	3.7	5.8	6.1 @2.5 MHz	-	-	-	-	1219
M17/225-00002	50	0.665	.524	1.20	2500	0.08888	0.00031	0.9	1.1	1.9	2.2	3.1	3.7	5.8	6.1 @2.5 MHz	-	-	-	-	1219
M17/226-00001	50	0.870	.541	0.55	2500	0.06091	0.00019	0.6	0.7	1.3	1.4	2.1	2.4	3.9	3.9 @2.5 MHz	-	-	-	-	1979
M17/226-00002	50	0.945	.541	0.55	2500	0.06091	0.00019	0.6	0.7	1.3	1.4	2.1	2.4	3.9	3.9 @2.5 MHz	-	-	-	-	1979
M17/227-00001	50	1.200	.323	0.37	2500	0.04396	0.00019	0.5	0.5	1.0	1.1	1.6	1.8	3.0	3.1 @2.5 MHz	-	-	-	-	2768
M17/227-00002	50	1.300	.323	0.37	2500	0.04396	0.00019	0.5	0.5	1.0	1.1	1.6	1.8	3.0	3.1 @2.5 MHz	-	-	-	-	2768
M17/228-00001	50	1.670	.209	0.27	2500	0.03113	0.00019	0.3	0.4	0.7	0.9	1.2	1.4	2.3	2.6 @2.5 MHz	-	-	-	-	3950
M17/228-00002	50	1.770	.209	0.27	2500	0.03113	0.00019	0.3	0.4	0.7	0.9	1.2	1.4	2.3	2.6 @2.5 MHz	-	-	-	-	3950

Notes:

Attenuation (typical) at any Frequency = k1 x SqRt (Fmhz) + k2 (Fmhz)
BC shielded cables used up to 1 GHz maximum due to braid oxidation over time.
TC shielded cables used up to 1 GHz maximum due to high loss of Tin Plating.
SPC shielded cables may be used up to their Cutoff Frequency.
Maximum Frequency listed in Table is as specified by MIL-C-17.
Cutoff frequency may be higher than M17 max frequency.
Power Data Given for 50 ohm Cables Only.
Power Data for SPC/PTFE based on +250C center conductor.
Power Data for PE dielectrics based on +80C center conductor.
Power Data for foam PE dielectrics based on +100C center conductor.
DC resistance of outer conductor includes all shield layers in parallel.
Consult Factory for not listed.