

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 69.5	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	Unswep 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	Unswep 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	Unswep 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	Unswep 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	Unswep 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	Unswep 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