

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-III-A 0.265 (6.73)	NA	0.080 (0.119)	75 +/- 3 81	16.9 (55.4)	1,000	-67 +185 (-55 +80)	1 GHz UnSwept	
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-II-A 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)	Rubber H,J,H 0.380 (9.65)	30TC:33GS:30TC 0.571 (14.50)	Neoprene 0.700 (17.78)	NA	0.353 (0.526)	50 +/- 2 43	50.0 (164.1)	15,000	-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-II-A 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-II-A 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	NA	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
M17/130-00004	17-297-90	AA-5916	SCCS 0.0362 (0.92)	PTFE 0.1175 (2.98)	BC Tube 0.141 (3.58)	None	NA	0.0344 (0.051)	50 +/- 1 69.5	29.4 (96.5)	1,900	-40 +257 (-40 +125)	0.5-20 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	