

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