

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 dms 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-QPL'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 QPL'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-III A 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-III A 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-III A 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-III A 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