

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)	XLETFFE 0.064 (1.63)	38TC 0.087 (2.21)	XLETFFE 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)	XLETFFE 0.048 (1.22)	38TC 0.066 (1.68)	XLETFFE 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)	XLETFFE 0.048 (1.22)	38TC: 38TC 0.084 (2.13)	XLETFFE 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)	XLETFFE 0.048 (1.22)	38TC:38TC Mu Metal Interlayer .140" (3.56)	XLETFFE 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 7/0.0159 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 7/0.0159 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 7/0.0296 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 7/0.0296 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 7/0.0063 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