

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
M17/184-00001	17-05-92	AA-7282	CCS 0.0226 (0.57)	PE 0.146 (3.71)	34BC 0.175 (4.45)	XLPE 0.242 (6.15)	NA	0.043 (0.064)	75 +/-3 66	20.6 (67.6)	2,300	-22 +176 (-30 +80)	1 GHz UnSwept	Non-halogen Low smoke M17/29-RG59
M17/185-00001	17-05-92	AA-7283	CCS 0.0253 (0.64)	Air spaced PE 0.146 (3.71)	34BC 0.175 (4.45)	XLPE 0.242 (6.15)	NA	0.042 (0.063)	93 +/-5 81	13.5 (44.3)	750	-22 +176 (-30 +80)	1 GHz UnSwept	Non-halogen Low smoke M17/30-RG62
M17/186-00001	17-05-92	AA-7284	2C:TC 7/0126 0.0378 (0.96)	PE (each) 0.079 (2.01)	36TC 0.181 (4.60)	XLPE 0.235 (5.97)	NA	0.041 (0.061)	75 +/-3 68	19.6 (64.3)	1,000	-22 +176 (-30 +80)	10 MHz UnSwept	Non-halogen Low smoke M17/45-RG108
M17/187-00001	17-05-92	AA-7285	TC 27/005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.119 (3.02)	XLPE 0.160 (4.06)	NA	0.023 (0.034)	50 +/-2 66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	0.05-1 GHz Swept	Non-halogen Low smoke M17/54-RG122
M17/188-00001	17-05-92	AA-7286	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.243 (6.17)	XLPE 0.332 (8.43)	NA	0.099 (0.147)	50 +/-2 66	30.8 (101.1)	3,000	-22 +176 (-30 +80)	0.05-11 GHz Swept	Non-halogen Low smoke M17/73-RG212
M17/189-00001	17-05-92	AA-7287	BC 7/0296 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	30.8 (101.1)	5,000	-22 +176 (-30 +80)	0.05-1GHz Swept	Non-halogen Low smoke M17/74-RG213
M17/189-00002	17-05-92	AA-7288	BC 7/0296 0.0888 (2.26)	PE 0.285 (7.24)	33BC 0.318 (8.08)	XLPE 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.146 (0.217)	50 +/-2 66	30.8 (101.1)	5,000	-22 +176 (-30 +80)	0.05-1 GHz Swept	Armored M17/189-00001
M17/190-00001	17-05-92	AA-7289	SC 7/0296 0.0888 (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	30.8 (101.1)	5,000	-22 +176 (-30 +80)	0.05-11 GHz Swept	Non-halogen Low smoke M17/75-RG214
M17/191-00001	17-05-92	AA-7290	TC 7/0159 0.0477 (1.21)	PE 0.285 (7.24)	34BC:34BC 0.343 (8.71)	XLPE 0.425 (10.80)	NA	0.139 (0.207)	75 +/-3 66	20.6 (67.6)	5,000	-22 +176 (-30 +80)	3 GHz UnSwept	Non-halogen Low smoke M17/77-RG216
M17/192-00001	17-05-92	AA-7291	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	XLPE 0.545 (13.84)	NA	0.248 (0.369)	50 +/-2 66	30.8 (101.1)	7,000	-22 +176 (-30 +80)	0.05-3 GHz Swept	Non-halogen Low smoke M17/78-RG217
M17/192-00002	17-95-94	AA-8111	BC 0.106 (2.69)	PE 0.370 (9.40)	33BC:33BC 0.436 (11.07)	XLPE 0.545 (13.84)	NA	0.248 (0.369)	50 +/-2 66	30.8 (101.1)	7,000	-22 +176 (-30 +80)	0.05-3 GHz Swept	M17/192-00001 with temperature cycling
M17/193-00001	17-05-92	AA-7292	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	30.8 (101.1)	11,000	-22 +176 (-30 +80)	0.05-1 GHz Swept	Non-halogen Low smoke M17/79-RG218
M17/193-00002	17-05-92	AA-7293	BC 0.195 (4.95)	PE 0.680 (17.27)	30BC 0.726 (18.44)	XLPE 0.870 (22.10)	Alum. Braid 0.945 (24.00)	0.571 (0.851)	50 +/-2 66	30.8 (101.1)	11,000	-22 +176 (-30 +80)	0.05-1 GHz Swept	Armored M17/193-00001
M17/194-00001	17-05-92	AA-7294	SC 0.0350 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.160 (4.11)	XLPE 0.212 (5.38)	NA	0.044 (0.066)	50 +/-2 66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	0.04-12.4 GHz Swept	Non-halogen Low smoke M17/84-RG223
M17/195-00001	17-05-92	AA-7295	CCS 0.0253 (0.64)	Air Space PE 0.146 (3.71)	34BC:34TC 0.198 (5.03)	XLPE 0.245 (2.79)	NA	0.053 (0.079)	93 +/-5 85	13.5 (44.3)	750	-22 +176 (-30 +80)	1 GHz UnSwept	Non-halogen Low smoke M17/90-RG71
M17/196-00001	17-05-92	AA7296	CCS 7/0063 0.0189 (0.48)	PE 0.060 (1.52)	38TC 0.078 (1.98)	XLPE 0.110 (2.79)	NA	0.009 (0.013)	50 +/-2 66	30.8 (101.1)	1,500	-22 +176 (-30 +80)	0.05-1 GHz Swept	Non-halogen Low smoke M17/119-RG174
M17/197-00001	17-05-92	AA-7297	TC 19/0072 0.0355 (0.90)	PE 0.116 (2.95)	36TC 0.139 (3.53)	XLPE 0.195 (4.95)	NA	0.0310 (0.046)	50 +/-2 66	30.8 (101.1)	1,500	-22 +176 (-30 +80)	400 MHz UnSwept	Non-halogen Low Smoke M17/155-00001
M17/198-00001	17-05-92	AA-7298	TC 27/005 0.0308 (0.78)	PE 0.096 (2.44)	36TC 0.119 (3.02)	XLPE 0.160 (4.06)	NA	0.024 (0.036)	50 +/-2 66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	400 MHz UnSwept	Non-halogen Low smoke M17/157-00001
M17/199-00001	17-05-92	AA-7299	SC 0.0556 (1.41)	PE 0.185 (4.70)	34SC:34SC 0.243 (6.17)	XLPE 0.332 (8.43)	NA	0.100 (0.149)	50 +/-2 66	30.8 (101.1)	3,000	-22 +176 (-30 +80)	400 MHz UnSwept	Non-halogen Low smoke M17/162-00001
M17/200-00001	17-05-92	AA-7300	SC 0.0350 (0.89)	PE 0.116 (2.95)	36SC:36SC 0.162 (4.11)	XLPE 0.212 (5.38)	NA	0.044 (0.066)	50 +/-2 66	30.8 (101.1)	1,900	-22 +176 (-30 +80)	400 MHz UnSwept	Non-halogen Low smoke M17/167-00001
M17/201-00001	No QPL'd Source	NA	2C:SPA 19/005 (0.0248) (0.63)	XLETFE 0.052 (1.32)	38TC 0.070 (1.78)	XLETFE 0.137 (3.48)	NA	0.0142 (0.021)	77 +/-5 66	30.0 (98.4)	600	-85 +302 (-65 +150)	1 MHz UnSwept	Single Shield Data Bus Cable