

M17/MIL-C-17 Coaxial Cable Specifications

M17 Part	M17 QPL No.	TMS Part	Conductor inches No.	Dielectric inches (mm)	Shields inches (mm)	Jacket inches (mm)	Armor inches (mm)	Weight lb/ft (mm)	Impedance ohms (kg/m)	Capacitance pF/ft Vp (%)	Max Oper. Voltage (pF/m)	Temp. Range vrms	M17 Test F (C)	Comments Frequency
M17/2-RG6	17-663-83	AA-3810	CCS 0.0285 (0.724)	PE 0.185 (4.70)	34SC-34BC 0.243 (6.17)	PVC-IIA 0.332 (8.43)	NA	0.082 (0.122)	75 +/-3 66	20.6 (67.6)	3,000	-40+185 (-40 +85)	3 GHz Unswpt	Use M17/180-00001 LS/LT Jacket
M17/6-RG11	17-100-79	AA-3811	TC 7/.0159" 0.0477 (1.21)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.098 (0.146)	75 +/-3 66	20.8 (67.6)	5,000	-40+185 (-40 +85)	1GHz Unswpt	Use M17/181-00001 LS/LT Jacket
M17/6-RG12	17-100-79	AA-3812	TC 7/.0159" 0.0477 (1.21)	PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	Alum.Braid 0.463 (11.76)	0.144 (0.200)	75 +/-3 66	20.6 (67.6)	5,000	-40+185 (-40+85)	1 GHz Unswpt	Use M17/181-00002 LS/LT Jacket
M17/15-RG22	17-793-77	AA-3395	2-BC7/.0152" 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.343 (8.71)	PVC-IIA 0.420 (10.67)	NA	0.134 (0.200)	95 +/- 5 66	16.0 (52.5)	1,000	-40+185 (-40 +85)	200 MHz Unswpt	Use M17/182-00001 LS/LT Jacket
M17/15-RG111	17-793-77	AA-3396	2-BC 7/.0152" 0.0456 (1.16)	PE 0.285 (7.24)	34TC:34TC 0.343 (8.71)	PVC-IIA 0.420 (10.67)	Alum. Braid 0.478 (12.14)	0.161 (0.240)	95 +/- 5 66	16.0 (52.5)	1,000	-40+185 (-40 +85)	200MHz Unswpt	Use M17/182-00002 LS/LT Jacket
M17/16-RG23	No QPL'd Source	AA-5160	2-BC 7/.0285" 0.0855 (2.17)	PE: 2 cores 0.380 (9.65)	34BC:34BC .438 x .847 (11.1 x 21.5)	PVC-IIA .650 x .945 (16.5 x 24.0)	NA	0.530 (0.789)	125 +/- 5 66	12.0 (39.4)	7,000	-40+185 (-40 +85)	400 MHz Unswpt	Inactive for new design
M17/16-RG24	No QPL'd Source	AA-5161	2-BC 7/.0285" 0.0855 (2.17)	PE: 2 cores 0.380 (9.65)	34BC:34BC .438 x .847 (11.1 x 21.5)	PVC-IIA .650 x .945 (16.5 x 24.0)	Alum. Braid .708 x 1.003 (18.0 x 25.5)	0.730 (1.087)	125 +/-5 66	12.0 (39.4)	7,000	-40+185 (-40 +85)	400 MHz Unswpt	Inactive for new design
M17/19-RG25	No QPL'd Source	AA-5124	TC 19/.0117" 0.0585 (1.49)	Rubber-E 0.288 (7.32)	34TC-34TC 0.382 (9.70)	Rubber-IV 0.505 (12.83)	NA	0.225 (0.335)	48 +/-4 42	50.0 (164.1)	10,000	-67+194 (-55 +90)	1 MHz Unswpt	Triaxial Pulse Cable
M17/21-RG26	No QPL'd Source	AA-5125	TC 19/.0117" 0.0585 (1.49)	Rubber-E 0.288 (7.32)	34TC 0.317 (8.05)	Rubber-IV 0.425 (10.80)	Alum. Braid 0.505 (12.83)	0.210 (0.313)	48 +/-4 42	50.0 (164.1)	10,000	-40+185 (-40 +85)	1 MHz Unswpt	Coaxial Pulse Cable Armored
M17/22-RG27	No QPL'd Source	AA-5163	TC 19/.0185" 0.0925 (2.35)	Rubber-D 0.455 (11.56)	34TC 0.484 (12.29)	Rubber-IV 0.595 (15.11)	Alum. Braid 0.670 (17.02)	0.330 (0.492)	48 +/-4 42	50.0 (164.1)	15,000	-40+185 (-40 +85)	1 MHz Unswpt	Coaxial Pulse Cable Armored
M17/22-00001	No QPL'd Source	AA-5162	TC 19/.0185" 0.0925 (2.35)	Rubber-D 0.455 (11.56)	34TC 0.484 (15.11)	Rubber-IV 0.595 (15.11)	NA	0.330 (0.492)	48 +/-4 42	50.0 (164.1)	15,000	-40+185 (-40 +85)	1 MHz Unswpt	Coaxial Pulse Cable
M17/23-RG28	No QPL'd Source	AA-5164	TC 19/.0185" 0.0925 (2.35)	Rubber-D 0.455 (11.58)	34TC:34GS 0.559 (14.20)	Rubber-IV 0.735 (18.67)	NA	0.400 (164.1)	48 +/-4 42	50.0 (164.1)	15,000	-40+185 (-40 +85)	1 MHz Unswpt	Triaxial Pulse Cable
M17/24-RG34	No QPL'd Source	AA-3813	TC 7/.0249" 0.0747 (1.90)	PE 0.460 (11.68)	33BC 0.493 (12.52)	PVC-IIA 0.630 (16.00)	NA	0.231 (0.344)	75 +/-3 66	22.0 (72.2)	6,500	-40+185 (-40+85)	1 GHz Unswpt	
M17/28-RG58	17-304-83	AA-3397	TC 19/.0072" 0.0355 (0.090)	PE 0.116 (2.95)	36TC 0.139 (3.53)	PVC-IIA 0.195 (4.95)	NA	0.026 (0.039)	50 +/-2 66	30.8 (101.1)	1,900	-40+185 (-40+85)	05 to 1 GHz Swept	Use: M17/183-00001 LS/LT Jacket
M17/29-RG59	17-102-79	AA-3797	CCS 0.0226 (0.57)	PE 0.146 (3.71)	34BC 0.175 (4.45)	PVC-IIA 0.242 (6.15)	NA	0.035 (0.052)	75 +/-3 66	20.6 (67.6)	2,300	-40+185 (-40 +85)	1 GHz Unswpt	Use: M17/184-00001 LS/LT Jacket
M17/30-RG62	17-795-77	AA-3398	CCS 0.0253 (0.64)	Airspaced PE 0.146 (3.71)	34BC 0.175 (4.45)	PVC-IIA 0.242 (6.15)	NA	0.038 (0.057)	93 +/-5 81	13.5 (44.3)	1,000	-40+176 (-40 +80)	1 GHz Unswpt	Use: M17/185-00001 LS/LT Jacket
M17/31-RG63	17-103-79	AA-3815	CCS 0.0253 (0.64)	Airspaced PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	NA	0.138 (0.206)	125 +/-6 86	11.0 (36.1)	750	-40+176 (-40 +80)	1 GHz Unswpt	Use: M17/218-00001 LS/LT Jacket
M17/31-RG79	17-103-79	AA-3816	CCS 0.0253 (0.64)	Airspaced PE 0.285 (7.24)	33BC 0.318 (8.08)	PVC-IIA 0.405 (10.29)	Alum. Braid 0.475 (12.07)	0.088 (0.131)	125 +/-5 81	10.0 (32.8)	1,000	-40+175 (-40 +80)	1GHz Unswpt	Use: M17/218-00002 LS/LT Jacket
M17/33-RG64	No QPL'd	AA-5126	TC 19/.0117" 0.0585	Rubber-E 0.288	34TC:34TC 0.346	Rubber-IV 0.450	NA	0.220	48 +/-4	55.0	10,000	-40+185	1 MHz Unswpt	Coaxial Pulse Cable
M17/34-RG65	Source No QPL'd Source	AA-5165	(1.49) .008" MW Helix 0.1280 (3.25)	(7.32) PE 0.285 (7.24)	(8.79) 33BC 0.318 (8.08)	(11.68) PVC-IIA 0.405 (10.29)	NA	(0.328) 0.110 (0.164)	42 950 +/-50 2	(180.5) 48.0 (157.5)	1,500	(-40 +85) (-40 +176) (-40 +85)	5 MHz Unswpt	Coaxial Delay Line 0.15 uSec/foot
M17/45-RG108	17-796-77	AA-3399	2:TC 7/.0126" 0.0378 (0.96)	PE (2 cores) 0.079 (2.01)	36TC 0.181 (4.60)	PVC-IIA 0.235 (5.97)	NA	0.035 (0.052)	78 +/-7 68	19.6 (64.3)	1,000	-40+185 (-40 +85)	10 MHz Unswpt	Use: M17/186-00001 LS/LT Jacket
M17/47-RG114	Non-QPL'd	AA-3817	CCS 0.007 (0.18)	Airspaced PE 0.285 (7.24)	34BC 0.314 (7.98)	PVC-IIA 0.405 (10.29)	NA	0.089 (1.33)	185 +/-10 85	6.5 (21.3)	1,000	-40 -176 (-40 +80)	1 GHz Unswpt	Use: M17/208-00001 LS/LT Jacket